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AMMERMAN, JAMES W. (with Farooq Azam). Uptake of cyclic AMP by natural populations of marine bacteria. Applied and Environmental Microbiology, v.43, no.4, 1982. pp.869-876.

ANDERSON, JOHN G. (with T. H. Heaton). Aftershock accelerograms recorded on a temporary array. United States. Geological Survey. Professional Papers, v. 1254, 1982. pp.443-451.

ANDERSON, JOHN G. Consequence of an earthquake prediction on statistical estimates of seismic risk. Seismological Society of America. Bulletin, v.71, no.5, 1981. pp.1637-1648.

ANDERSON, JOHN G. Revised estimates for the probabilities of earthquakes following observation of unreliable precursors. Seismological Society of America. Bulletin, v.72, no.3, 1982. pp.879-888.

ANDERSON, JOHN G. A simple way to look at a Bayesian model for the statistics of earthquake prediction. Seismological Society of America. Bulletin, v.71, no.6, 1981. pp.1929-1931.

ARMI, LAURENCE (with Dale B. Haidvogel). Effects of variable and anisotropic diffusivities in a steady-state diffusion model. Journal of Physical Oceanography, v.12, no.8, 1982. pp.785-794.

AUBOUIN, J. (with Jean-Francois Stephan, Vincent Renard, Jacqueline Roump and Peter Lonsdale). A seabeam survey of the leg 67 area (Middle America Trench off Guatemala). In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project, v.67. Washington, D.C., U.S. Government Printing Office, 1982. pp.733-738.

AZAM, FAROOQ (with Benjamin E. Volcani). Germanium-silicon interactions in biological systems. In: Silicon and Silicous Structures in Biological Systems, edited by Tracy L. Simpson and Benjamin E. Volcani. New York, Springer-Verlag, 1981. pp.43-67.

BACKUS, GEORGE E. The electric field produced in the mantle by the dynamo in the core. Physics of the Earth and Planetary Interiors, v.28, 1982. pp.191-214.

BACKUS, GEORGE E. Reply: limits of validity of first-order perturbation theory for quasi-P velocity in weakly anisotropic media. Journal of Geophysical Research, v.87, no.B6, 1982. pp.4641-4644.

BAKER, KAREN S. (with Raymond C. Smith). Bio-optical classification and model of natural waters. 2. Limnology and Oceanography, v.27, no.3, 1982. pp.500-509.

BAKER, KAREN S. (with Raymond C. Smith and A. E. S. Green). Middle ultraviolet irradiance at the ocean surface: measurements and models. In: The Role of Solar Ultraviolet Radiation in Marine Ecosystems, edited by John Calkins. New York, Plenum Press, 1982. pp.79-91.

BAKER, KAREN S. (with Raymond C. Smith). Spectral irradiance penetration in natural waters. In: The Role of Solar Ultraviolet Radiation in Marine Ecosystems, edited by John Calkins. New York, Plenum Press, 1982. pp.233-246.

BAKER, P. A. (with Joris M.Gieskes and H. Elderfield). Diagenesis of carbonates in deep-sea sediments-evidence from Sr/Ca ratios and interstitial dissolved Sr2 data. Journal of Sedimentary Petrology, v.52, no.1, 1982. pp.71-82.

BECKER, KEIR (with Richard P. von Herzen, T. J. G. Francis, R. N. Anderson, J. Honnorez, A. C. Adamson, J. C. Alt, R. Emmermann, P. D. Kempton, H. Kinoshita, C. Laverne, M. J. Mottl and R. L. Newmark). In situ electrical resistivity and bulk porosity of the oceanic crust Costa Rica Rift. Nature, v.300, no.5893, 1982. pp.594-598.

BEERS, JOHN R. Bombas de succion. In: Atlas del Zooplancton del Atlantico Sudoccidental, edited by Demetrio Boltovskoy. Republica Argentina, Instituto Nacional de Investigacion y Desarrollo Pesquero, 1981. pp.43-52.

BEERS, JOHN R. Determinacion de la Biomasa del Zooplancton. In: Atlas del Zooplancton del Atlantico Sudoccidental. Republica Argentina, Instituto Nacional de Investigacion y Desarrollo Pesquero, 1981. pp.133-141.

BEERS, JOHN R. (with Freda M. H. Reid and Gene L. Stewart). Seasonal abundance of the microplankton population in the North Pacific central gyre. Deep-Sea Research, Part A, v.29, no.2, 1982. pp.227-245.

BEHRINGER, D. (with T. Birdsall, M. Brown, B. Cornuelle, R. Heinmiller, R. A. Knox, K. Metzger, Walter H. Munk, John L. Spiesberger, Robert C. Spindel, D. Webb, Peter F. Worcester and Carl Wunsch). A demonstration of ocean acoustic tomography. Nature, v.299, no.5879, 1982. pp.121-125.

BERGER, WOLFGANG H. (with J. S. Killingley). Box cores from the equatorial Pacific: 14C sedimentation rates and benthic mixing. Marine Geology, v.45, 1982. pp.93-125.

BERGER, WOLFGANG H. Climate steps in ocean history--lessons from the Pleistocene. In: Climate in Earth History. Washington, D.C., National Academy Press, 1982. pp.43-54.

BERGER, WOLFGANG H. Deep-sea stratigraphy: Cenozoic climate steps and the search for chemoclimatic feedback. In: Cyclic and Event Stratification, edited by G. Einsele and A. Seilacher. New York, Springer-Verlag, 1982. pp.121-157.

BERGER, WOLFGANG H. (with M. -C. Bonneau and Frances L. Parker). Foraminifera on the deep-sea floor: lysocline and dissolution rate. Oceanologica Acta, v.5, no.2, 1982. pp.249-258.

BERGER, WOLFGANG H. Increase of carbon dioxide in the atmosphere during deglaciation: the coral reef hypothesis. Naturwissenschaften, v.69, 1982. pp.87-88.

BERGER, WOLFGANG H. On the definition of the Pleistocene/Holocene boundary in deep-sea sediments. Sveriges Geologiska Undersokning, Series C, v.76, no.7, 1982. pp.270-280.

BERGER, WOLFGANG H. (with J. S. Killingley). The Worthington Effect and the origin of the Younger Dryas. Journal of Marine Research, v.40, supp., 1982. pp.27-38.

BERNSTEIN, ROBERT L. (with Warren B. White). Meridional eddy heat flux in the Kuroshio Extension Current. Journal of Physical Oceanography, v.12, no.2, 1982. pp.154-159.

BERNSTEIN, ROBERT L. (with G. H. Born and R. H. Whritner). SEASAT altimeter determination of ocean current variability. Journal of Geophysical Research, v.87, no.C5, 1982. pp.3261-3268.

BERNSTEIN, ROBERT L. Sea surface temperature estimation using the NOAA 6 satellite Advanced Very High Resolution Radiometer. Journal of Geophysical Research, v.87, no.C12, 1982. pp.9455-9465.

BERNSTEIN, ROBERT L. Sea surface temperature mapping with the SEASAT microwave radiometer. Journal of Geophysical Research, v.87, no.C10, 1982. pp.7865-7872.

BIRKELAND, CHARLES (with Paul K. Dayton and Norman A. Engstrom). A stable system of predation on a holothurian by four asteroids and their top predator. Australian Museum, Sydney. Memoirs, v.16, 1982. pp.175-189.

BRADNER, HUGH (with Helen DuShane). Optical and SEM comparison of Casmaria erinaceus (Linnaeus, 1758) and C. vibexmexicana (Stearns, 1894). Veliger, v.24, no.4, 1982. pp.339-341.

BRADNER, HUGH. Cypraea goodallii Sowerby, 1832 on Fanning Island. Veliger, v.21, no.2, 1978. p.306.

BROWN, MICHAEL G. Application of the WKBJ Green's function to acoustic propagation in horizontally stratified oceans. Acoustical Society of America. Journal, v.71, no.6, 1982. pp.1427-1432.

BUCHWALD, V. T. (with John W. Miles). On resonance of an offshore channel bounded by a reef. Australian Journal of Marine and Freshwater Research, v.32, 1981. pp.833-841.

BUKRY, DAVID. Cenozoic silicoflagellates from offshore Guatemala, Deep Sea Drilling Project Site 495. In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project, v.67, Washington, D.C., U.S. Government Printing Office, 1982. pp.425-445.

BUKRY, DAVID. Neogene silicoflagellates of the eastern equatorial Pacific, Deep Sea Drilling Project Hole 503A. In: Prell, W. I., Gardner, J. V., et al., Initial Reports of the Deep Sea Drilling Project, v.68, Washington, D.C., U.S. Government Printing Office, 1982. pp.311-323.

BULLOCK, THEODORE HOLMES. Afterthoughts on animal minds. In: Animal Mind--Human Mind, edited by D. R. Griffin, (Life Sciences Research Report, v.21). New York, Springer-Verlag, 1982. pp.407-414.

BULLOCK, THEODORE HOLMES (with Thomas J. O'Shea and Michael C. McClune). Auditory evoked potentials in the West Indian manatee (Sirenia: Trichechus manatus). Journal of Comparative Physiology. Section A, v.148, 1982. pp.547-554.

BULLOCK, THEODORE HOLMES. Electroreception. Annual Review of Neuroscience, v.5, 1982. pp.121-170.

BULLOCK, THEODORE HOLMES (with R. Glenn Northcutt and David Bodznick). Evolution of electroreception. Trends in NeuroSciences, v.5, no.2, 1982. pp.50-53.

BULLOCK, THEODORE HOLMES (with Glenn Northcutt). A new electroreceptive teleost: Xenomystus nigri (Osteoglossiformes: Notopteridae). Journal of Comparative Physiology. Section A, v.148, 1982. pp.345-352.

BURNETT, BRYAN R. Compound eyes in the cephalocarid crustacean Hutchinsoniella macracantha. Journal of Crustacean Biology, v.1, no.1, 1981. pp.11-15.

BURNETT, BRYAN R. (with Kenneth H. Nealson). Organic films and microorganisms associated with manganese nodules. Deep-Sea Research, Part A, v.28, no.6, 1981. pp.637-645.

BURNETT, BRYAN R. Quantitative sampling of nanabiotia (microbioata) of the deep- sea benthos--III. The bathyal San Diego Trough. Deep-Sea Research, Part A, v.28, no.7, 1981. pp.649-663.

CARLSON, R. W. (with G. W. Lugmair and J. Douglas Macdougall). Columbia River volcanism: the question of mantle heterogeneity or crustal contamination. Geochimica et Cosmochimica Acta, v.45, 1981. pp.2483-2499.

CARTE, BRAD (with D. John Faulkner). Revised structures for the polyandrocarpidines. Tetrahedron Letters, v.23, no.38, 1982. pp.3863-3866.

CHAO, B. FENG. Excitation of normal modes on non-rotating and rotating earth models. Geophysical Journal, v.68, 1982. pp.295-315.

CHAPMAN, D. C. Nearly trapped internal edge waves in a geophysical ocean. Deep- Sea Research, Part A, v.29, no.4, 1982. pp.525-533.

CHAPMAN, D. C. (with Myrl C. Hendershott). Scattering of internal waves obliquely incident upon a step change in bottom relief. Deep-Sea Research, Part A, v.28, no.11. 1981. pp.1323-1338.

CHAVE, ALAN D. (with Charles S. Cox). Controlled electromagnetic sources for measuring electrical conductivity beneath the oceans 1. Forward problem and model study. Journal of Geophysical Research, v.87, no.B7, 1982. pp.5327-5338.

CHENG, LANNA. Halobates from the coastal water of China. Oceanologia et Limnologia Sinica, v.13, no.4, 1982. pp.346-349.

CHENG, LANNA Halobates (Heteroptera: Gerridae) from Micronesia with notes on a laboratory population of H. mariannarum. Micronesica, v.17, no.1-2, 1981. pp.97-106.

CHENG, LANNA (with Dennis S. Hill). Marine insects of Hong Kong. In: The Marine Flora and Fauna of Hong Kong and Southern China, edited by B. S. Morton and C. K. Tseng. Hong Kong, Hong Kong University Press, 1980, pp.173-183.

CHUNG, YU-CHIA (with R. C. Finkel and K. Kim). 226Ra, 210Pb and 210Po in the Red Sea. Earth and Planetary Science Letters, v.58, 1982. pp.213-224.

CRAIG, HARMON (with C. C. Chou). Methane: the record in polar ice cores. Geophysical Research Letters, v.9, no.11, 1982. pp.1221-1224.

CREAGER, KENNETH C. (with L. M. Dorman). Location of instruments on the seafloor by joint adjustment of instrument and ship positions. Journal of Geophysical Research, v.87, no.B10, 1982. pp.8379-8388.

CULLEN, J. J. (with Freda M. H. Reid and Elizabeth Fuglister Stewart). Phytoplankton in the surface and chlorophyll maximum off southern California in August, 1978. Journal of Plankton Research, v.4, no.3, 1982. pp.665-694.

CULLEN, J. J. (with S. G. Horrigan, Mark E. Huntley and Freda M. H. Reid). Yellow water in La Jolla Bay, California, July 1980. I. A bloom of the dinoflagellate, Gymnodinium flavum Kofoid and Swezy. Journal of Experimental Marine Biology and Ecology, v.63, 1982. pp.67-80.

CURRAY, JOSEPH R. (with David G. Moore). Introduction to the Baja California passive-margin-transect symposium. In: Curray, J. R., Moore, D.G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D. C., U. S. Government Printing Office, 1982. pp.1067-1069.

CURRAY, JOSEPH R. (with David G. Moore). Introduction to the Guaymas Basin and hydrothermal symposium. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D.C., U. S. Government Printing Office, 1982. pp.1067-1069.

CURRAY, JOSEPH R. (with David G. Moore). Introduction to the Guaymas Slope and laminated diatomite symposium. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D. C., U. S. Government Printing Office, 1982. pp.1179-1181.

CURRAY, JOSEPH R. (with Frans J. Emmel, David G. Moore and Russell W. Raitt). Structure, tectonics, and geological history of the northeastern Indian Ocean. In: The Indian Ocean, edited by Alan E. M. Nairn and Francis G. Stehli, (The Ocean Basins and Margins, v.6). New York, Plenum Press, 1982. pp.399-450.

CURRAY, JOSEPH R. (with David G. Moore, Kerry Kelts and Gerhard Einsele). Tectonics and geological history of the passive continental margin at the tip of Baja California. In: Curray, J. R., Moore, D. G., et. al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D. C., U. S. Government Printing Office, 1982. p.1089-1116.

DAVIS, N. (with G. R. Van Blaricom and Paul K. Dayton). Man-made structures on marine sediments: effects on adjacent benthic communities. Marine Biology, v.70, 1982. pp.295-303.

DAYTON, PAUL K. (with William A. Newman and John S. Oliver). The vertical zonation of the deep-sea Antarctic acorn barnacle, Bathylasma corolliforme (Hoek): experimental transplants from the shelf into shallow water. Journal of Biogeography, v.9, 1982. pp.95-109.

DORMAN, L. M. (with R. S. Jacobson). Linear inversion of body wave data--Part 1: Velocity structure from traveltimes and ranges. Geophysics, v.46, no.2, 1981. pp.138-151.

ELDERFIELD, H. (with Joris M. Gieskes). Sr isotopes in interstitial waters of marine sediments from Deep Sea Drilling Project cores. Nature, v.300, no.5892, 1982. pp.493-497.

ELDERFIELD, H. (with Joris M. Gieskes, P. A. Baker, R. K. Oldfield, C. J. Hawkesworth and R. Miller. 87 Sr/86 Sr and 18 O/16 O ratios, interstitial water chemistry and diagenesis in deep-sea carbonate sediments of the Ontong Java Plateau, Geochimica et Cosmochimica Acta, v.46, 1982. pp.2259-2268.

ELMORE, D. (with L. E. Tubbs, D. Newman, X. Z. Ma, R. C. Finkel, K. Nishizumi, J. Beer, H. Oeschger and M. Andree). 36Cl bomb pulse measured in a shallow ice core from Dye 3, Greenland. Nature, v.300, no.5894, 1982. pp.735-737.

EMERY, K. O. (with Gerald G. Kuhn). Sea cliffs: their processes, profiles, and classification. Geological Society of America. Bulletin, v.93, 1982. pp.644-654.

EMMEL, FRANS J. (with Joseph R. Curray). Dynamic events near the upper and mid- fan boundary of the Bengal Fan. Geo-Marine Letters, v.1, 1981. pp.201.205.

EMMEL, FRANS J. (with Joseph R. Curray). A submerged late Pleistocene delta and other features related to sea level changes in the Malacca Strait. Marine Geology, v.47, 1982. pp.197-216.

EPPLEY, RICHARD W. Relations between nutrient assimilation and growth in phytoplankton with a brief review of estimates of growth rate in the ocean. In: Physiological Bases of Phytoplankton Ecology, edited

by Trevor Platt, (Canadian Bulletin of Fisheries and Aquatic Sciences, no.210). Ottawa, Department of Fisheries and Oceans, 1981. pp.251-263.

FELBECK, HORST (with George N. Somero). Primary production in deep-sea hydrothermal vent organisms: roles of sulfide-oxidizing bacteria. Trends in Biochemical Sciences, v.7, no.6, 1982. pp.201-204.

FIEDLER, PAUL C. Zooplankton avoidance and reduced grazing responses to Gymnodinium splendens (Dinophyceae). Limnology and Oceanography, v.27, no.5, 1982. pp.961-965.

FILLOUX, JEAN H. Magnetotelluric experiment over the ROSE area. Journal of Geophysical Research, v.87, no.B10, 1982. pp.8364-8378.

FILLOUX, JEAN H. Tsunami recorded on the open ocean floor. Geophysical Research Letters, v.9, no.1, 1982. pp.25-28.

FINGER, T. E. (with Theodore Holmes Bullock). Thalamic center for the lateral line system in the catfish Ictalurus nebulosus: evoked potential evidence. Journal of Neurobiology, v.13, no.1, 1982. pp.39-47.

FISHER, FREDERICK H. (with Joris M. Gieskes and C. C. Hsu). Analysis of Johnson's response to our paper 'MgSO4 ion association in seawater.' Marine Chemistry, v.11, 1982. pp.287-288.

FISHER, FREDERICK H. (with A. P. Fox). Conductance of aqueous NaCl solutions at pressure up to 2000atm. Journal of Solution Chemistry, v.10, no.12, 1981. pp.871-879.

FISHER, FREDERICK H. (with Joris M. Gieskes and C. C. Hsu). MgSO4 ion association in seawater. Marine Chemistry, v.11, 1982. pp.279-283.

FITCH, BRUCE W. (with Ted S. Cress). Measurements of aerosol size distributions in the lower troposphere over northern Europe. Journal of Applied Meteorology, v.20, no.10, 1981. pp.1119-1128.

FLEMINGER, ABRAHAM (with B. H. R. Othman and J. G. Greenwood). The Labidocera pectinata group: an Indo-West Pacific lineage of planktonic copepods with descriptions of two new species. Journal of Plankton Research, v.4, no.2, 1982. pp.245-270.

FRINCKE, JAMES M. (with D. John Faulkner). Antimicrobial metabolites of the sponge Reniera sp. American Chemical Society. Journal, v.104, 1982. pp.265- 269.

GIBSON, CARL H. Alternative interpretations for microstructure patches in the thermocline. Journal of Physical Oceanography, v.12, 1982. pp.374-383.

GIBSON, CARL H. Fossil turbulence in the Denmark Strait. Journal of Geophysical Research, v.87, no.C10, 1982. pp.8039-8046.

GIBSON, CARL H. On the scaling of vertical temperature gradient spectra. Journal of Geophysical Research, v.87, no.C10, 1982. pp.8031-8038.

GIESKES, JORIS M. (with H. Elderfield, J. R. Lawrence, Jeff Johnson, Barbara Meyers and Andrew Campbell). Geochemistry and interstitial waters and sediments, Leg 64, Gulf of California. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D.C., U.S. Government Printing Office, 1982. pp.675-694.

GIESKES, JORIS M. (with Miriam Kastner, Herhard Einsele, Kerry Kelts and Jeffrey Niemitz). Hydrothermal activity in the Guaymas Basin, Gulf of California: a synthesis. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D.C., U.S. Government Printing Office, 1982. pp.1159-1167.

GIESKES, JORIS M. The practical salinity scale 1978: a reply to comments by T. R. Parsons. Limnology and Oceanography, v.27, no.2, 1982. pp.387-389.

GLABE, CHARLES G. (with Laura B. Grabel, Victor D. Vacquier and Steven D. Rosen). Carbohydrate specificity of sea urchin sperm bindin: a cell surface lectin mediating sperm-egg adhesion. Journal of Cell Biology, v.94, 1982. pp.123-128.

GOLDBERG, EDWARD D. The oceans and the wastes of human societies. In: Impact of Man on the Coastal Environment, edited by Thomas W. Duke. Washington, D.C., U.S. Environmental Protection Agency, 1982. pp.1-16.

GOLDBERG, EDWARD D. The oceans as waste space. In: Impact of Marine Pollution on Society, edited by Virginia K. Tippie and Dana R. Kester. New York, Praeger, 1982. pp.26-36.

GRAHAM, JEFFREY B. (with R. M. Laurs). Metabolic rate of the albacore tuna Thunnus alalunga. Marine Biology, v.72, 1982. pp.1-6.

GRAHAM, JEFFREY B. (with Troy A. Baird). The transition to air breathing in fishes I. Environmental effects on the facultative air breathing of Ancistrus chagresi and hypostomus plecostomus (Loricariidae). Journal of Experimental Biology, v.96, 1982. pp.53-67.

GRAVES, JOHN E. (with George N. Somero). Electrophoretic and functional enzymic evolution in four species of eastern Pacific barracudas from different thermal environments. Evolution, v.36, no.1, 1982. pp.97-106.

GREENBLATT, PAUL Distributions of volume scattering observed with an 87.5-kHz sonar. Acoustical Society of America. Journal, v.71, no.4, 1982. pp.879-885.

GREENBLATT, PAUL (with Eric Shulenberger and J. H. Wormuth). Small-scale distributions of zooplankton biomass. Deep-Sea Research, Part A, v.29, no.4, 1982. pp.443-457.

GREENBLATT, PAUL. Small-scale horizontal distributions of zooplankton taxa. Marine Biology, v.67, 1982. pp.97-111.

GRIFFITH, DAVID W. T. (with Charles D. Keeling, J. A. Adams, Peter R. Guenther and Robert Bacastow). Calculations of carrier gas effects in non-dispersive infrared analyzers. II. Comparisons with experiment. Tellus, v.34, 1982. pp.385-397.

GRYGIER, MARK J. Dendrogaster (Crustacea: Ascothoracida) from California: sea- star parasites collected by the Albatross. California Academy of Sciences, San Francisco. Proceedings. Series 4, v.42, no.18, 1982. pp.443-454.

GRYGIER, MARK J. Gorgonolaureus muzikae sp. nov. (Crustacea: Ascothoracida) parasitic on a Hawaiian gorgonian, with special reference to its protandric hermaphroditism. Journal of Natural History, v.15, 1981. pp.1019-1045.

GRYGIER, MARK J. Redescription of Gorgonolaureus bikiniensis (Crustacea: Ascothoracica) with a reevaluation of its familial affinities. Micronesica, v.17, no.1-2, 1981. pp.67-76.

GRYGIER, MARK J. Scalpelloniscus, a new genus for two species of cryptoniscid isopods (Epicaridea) parasitic on abyssal stalked barnacles. Biological Society of Washington. Proceedings, v.94, no.4, 1981. pp.1258-1270.

GRYGIER, MARK J. Sperm morphology in Ascothoracida (Crustacea: maxillopoda): confirmation of generalized nature and phylogenetic importance. International Journal of Invertebrate Reproduction, v.4, 1982. pp.323-332.

HAAKE, FRIEDRICH-WILHELM (with William T. Coulbourn and Wolfgang H. Berger). Benthic foraminifera: depth distribution and redeposition. In: Geology of the Northwest African Continental Margin, edited by U. von Rad, K. Hinz, M. Sarnthein, and E. Seibold. Berlin, Springer-Verlag, 1982. pp.632-657.

HADLEY, DAVID M. (with Donald V. Helmberger and John A. Orcutt). Peak acceleration scaling studies. Seismological Society of America. Bulletin, v.72, no.3, 1982. pp.959-979.

HALL, H. GLENN (with Victor D. Vacquier). The apical lamina of the sea urchin embryo: major glycoproteins associated with the hyaline layer. Developmental Biology, v.89, 1982. pp.168-178.

HAMILTON, EDWIN L. (with Richard T. Bachman, Wolfgang H. Berger, Thomas C. Johnson and L. A. Mayer). Acoustic and related properties of calcareous deep-sea sediments. Journal of Sedimentary Petrology, v.52, no.3, 1982. pp.733-753.

HAND, STEVEN C. (with George N. Somero). Urea and methylamine effects on rabbit muscle phosphofructokinase. Journal of Biological Chemistry, v.257, no.2, 1982. pp.734-741.

HARRIS, ROGER P. (with Michael R. Reeve, George Grice, Geoffrey T. Evans, Victoria R. Gibson, John R. Beers and Barbara K. Sullivan). Trophic interactions and production processes in natural zooplankton communities in enclosed water columns. In: Marine Mesocosms: Biological and Chemical Research in Experimental Ecosystems, edited by George D. Grice and Michael R. Reeve. New York, Springer-Verlag, 1982. pp.353-387.

HARRISON, WILLIAM E. (with R. Hesse and Joris M. Gieskes). Relationship between sedimentary facies and interstitial water chemistry of slope, trench, and Cocos Plate sites from the Middle America Trench transect, active margin off Guatemala. Deep Sea Drilling Project leg 67. In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project, v.67, Washington, D.C., U.S. Government Printing Office, 1982. pp.603-614.

HASSELMANN, K. (with Tim P. Barnett). Techniques of linear prediction for systems with periodic statistics. Journal of the Atmospheric Sciences, v.38, no.10, 1981. pp.2275-2283.

HAURY, L. R. (with Peter Howard Wiebe). Fine-scale multi-species aggregations of oceanic zooplankton. Deep-Sea Research, Part A, v.29, no.7, 1982. pp.915-921.

HAURY, L. R. (with Eric Shulenberger). Horizontal transport of phosphorus in the California Current. California Cooperative Oceanic Fisheries Investigations. Reports, v.23, 1982. pp.149-159.

HAYWARD, THOMAS L. (with Elizabeth L. Venrick). Relation between surface chlorophyll, integrated chlorophyll and integrated primary production. Marine Biology, v.69, 1982. pp.247-252.

HEKINIAN, ROGER (with James Natland). Hydrothermal alteration of basalts and sediments at Deep Sea Drilling Project Site 456, Mariana Trough. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v.60. Washington, D.C., U.S. Government Printing Office, 1981. pp.759-767.

HEY, R. N. (with D. S. Wilson). Propagating rift explanation for the tectonic evolution of the northeast Pacific - the pseudomovie. Earth and Planetary Science Letters, v.58, 1982. pp.167-188.

HIGGS, M. D. (with D. John Faulkner). A diterpene from Laurencia obtusa. Phytochemistry, v.21, no.3, 1982. pp.789-791.

HOCHLOWSKI, JILL E. (with Roger P. Walker, Chris Ireland, and D. John Faulkner). Metabolites of four nudibranchs of the genus Hypselodoris. Journal of Organic Chemistry, v.47, 1982. pp.88-91.

HODGKISS, W. S. (with Joe A. Presley, Jr.). The complex adaptive least-squares lattice. IEEE Transactions on Acoustics, Speech, and Signal Processing, v.30, no.2, 1982. pp.330-333.

HORRIGAN, S. G. (with James J. McCarthy). Phytoplankton uptake of ammonium and urea during growth on oxidized forms of nitrogen. Journal of Plankton Research, v.4, no.2, 1982. pp.379-389.

HUNTLEY, D. A. (with Robert T. Guza and Edward B. Thornton). Field observations of surf beat. 1. Progressive edge waves. Journal of Geophysical Research, v.86, no.C7, 1981. pp.6451-6466.

HUNTLEY, MARK E. (with Elaine R. Brooks). Effects of age and food availability on diel vertical migration of Calanus pacificus. Marine Biology, v.71, 1982. pp.23-31.

HUNTLEY, MARK E. Yellow water in La Jolla Bay, California, July 1980. II. Suppression of zooplankton grazing. Journal of Experimental Marine Biology, v.63, 1982, pp.81-91.

INMAN, DOUGLAS L. (with Robert T. Guza). The origin of swash cusps on beaches. Marine Geology, v.49, 1982. pp.133-148.

JENKYNS, HUGH C. (with E. L. Winterer). Palaeoceanography of Mesozoic ribbon radiolarites. Earth and Planetary Science Letters, v.60, 1982. pp.351-375.

KALMIJN, AD. J. Electric and magnetic field detection in elasmobranch fishes. Science, v.218, 1982. pp.916-918.

KASTNER, MIRIAM Evidence for two distinct hydrothermal systems in the guaymas Basin. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v.64, Part 2. Washington, D.C., U.S. Government Printing Office, 1982. pp.1143-1157.

KILLINGLEY, J. S. (with William A. Newman). 18O fractionation in barnacle calcite: a barnacle paleotemperature equation. Journal of Marine Research, v.40, no.3, 1982. pp.893-902.

KNIGHT, MARGARET D. (with M. Omori). The larval development of Sergestes similis Hansen (Crustacea, Decapoda, Sergestidae) reared in the laboratory. United States. National Marine Fisheries Service. Fishery Bulletin, v.80, no.2, 1982. pp.217-243.

KNOWLES, FRANCIS C. Conversion of the reactive sulfhydryl groups of proteins to the S-trifluoroethyl derivatives; application to human heloglobin. Analytical Biochemistry, v.110, 1981. pp.19-26.

KNOWLES, FRANCIS C. The enzyme inhibitory form of inorganic arsenic. Biochemistry International, v.4, no.6, 1982. pp.647-653.

KNOWLES, FRANCIS C. (with Jacob D. Chanley and Ning G. Pon). Spectral changes arising from the action of spinach chloroplast ribosephosphate isomerase on ribose 5-phosphate. Archives of Biochemistry and Biophysics, v.202, no.1, 1980. pp.106-115.

KOIDE, MINORU (with R. Michel, Edward D. Goldberg, Michael M. Herron and Chester C. Langway, Jr.). Characterization of radioactive fallout from pre-and post-moratorium tests to polar ice caps. Nature, v.296, no.5857, 1982. pp.544-547.

KOIDE, MINORU (with Edward D. Goldberg). Transuranic nuclides in two coastal marine sediments off Peru. Earth and Planetary Science Letters, v.57, 1982. pp.263-277.

KOOYMAN, GERALD L. Crabeater seal Lobodon carcinophagus (Hombron and jacquinot, 1842). In: Handbook of Marine Mammals, Volume 2 Seals, edited by Sam H. Ridgway and richard J. Harrison. London, Academic Press, 1981. pp.221-235.

KOOYMAN, GERALD L. (with R. W. Davis, J. P. Croxall and D. P. Costa). Diving depths and energy requirements of king penguins. Science, v.217, 1982. pp.726-727.

KOOYMAN, GERALD L. Leopard seal Hydrurga leptonyx Blainville, 1820. In: Handbook of Marine Mammals, Volume 2 Seals, edited by Sam H. Ridgway and Richard J. Harrison. London, Academic Press, 1981. pp.261-274.

KOOYMAN, GERALD L. (with E. E. Sinnitt). Pulmonary shunts in harbor seals and sea lions during simulated dives to depth. Physiological Zoology, v.55, no.1, 1982. pp.105-111.

KOOYMAN, GERALD L. Weddell seal, Consummate Diver. New York, Cambridge University Press, 1981. 135p.

KOOYMAN, GERALD L. Weddell Seal Leptonychotes weddelli Lesson, 1826. In: Handbook of Marine Mammals, Volume 2 Seals, edited by Sam H. Ridgway and Richard J. Harrison. London, Academic Press, 1981. pp.275-296.

KOPF, GREGORY S. (with Gary W. Moy and Victor D. Vacquier). Isolation and characterization of sea urchin egg cortical granules. Journal of Cell Biology, v.95, 1982. pp.924-932.

KOSLOW, J. ANTHONY (with Allan Ota). The ecology of vertical migration in three common zooplankters in the La Jolla Bight, April - August 1967. Biological Oceanography, v.1, no.2, 1981. pp.107-134.

KREMER, B. P. (with R. L. Pardy and Ralph A. Lewin). Carbon fixation and photosynthates of Prochloron, a green alga symbiotic with an ascidian, Lissoclinum patella. Phycologia, v.21, no.3, 1982. pp.258-263.

LAWRENCE, J. R. (with James H. Natland). Temperatures of hydrothermal alteration in Deep Sea Drilling Project Hole 453, western Mariana Trough. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v.60, Washington, D.C., U.S. Government Printing Office, 1981. pp.755-758.

LEWIN, RALPH A. (with Sarah P. Gibbs). Algae of uncertain taxonomic position: introduction and bibliography. In: Selected papers in Phycology II, edited by James R. Rosowski and Bruce C. Parker. Lawrence, Kan., Phycological Society of America, Inc., 1982. pp.659-662.

LEWIN, RALPH A. (with T.-H Lee and L.-S. Fang). Effects of various agents on flagellar activity, flagellar autotomy and cell viability in four species of Chlamydomonas (Chlorophyta: Volvocales). In: Prokaryotic and Eukaryotic flagella, edited by W. B. Amos and J. G. Duckett, (Symposia of the society for Experimental Biology, v.35), New York, Society for Experimental Biology, 1982. pp.421-437.

LEWIN, RALPH A. Microbial galley slaves. Nature, v.300, no.5892, 1982. pp.479-480.

LEWIN, RALPH A. A new kind of motility mutant (non-gliding) in Chlamydomonas. Experientia, v.38, 1982. pp.348-349.

LEWIN, RALPH A. Symbiosis and parasitism - definitions and evaluations. BioScience, v.32, no.4, 1982. pp.254-260.

LEWIS, CINDY A. (with Craig F. Talbot and Victor D. Vacquier). A protein from abalone sperm dissolves the egg vitelline later by a nonenzymatic mechanism. Developmental Biology, v.92, 1982. pp.227-239.

LIU, CHAR-SHINE (with David T. Sandwell and Joseph R. Curray). The negative gravity field over the 85 E ridge. Journal of Geophysical Research, v.87, no.B9, 1982. pp.7673-7686.

LONSDALE, PETER Drifts and ponds of reworked pelagic sediment in part of the southwest Pacific. Marine Geology, v.43, 1981. pp.153-193.

LONSDALE, PETER (with R. Batiza and Tom Simkin). Metallogenesis at seamounts on the East Pacific Rise. Marine Technology Society. Journal, v.16, no.3, 1982. pp.54-60.

LOPO, ALINA C. (with Charles G. Glabe, William J. Lennarz and Victor D. Vacquier). Sperm-egg binding events during sea urchin fertilization. New York Academy of Sciences. Annals, v.383, 1982. pp.405-425.

LUTHER, DOUGLAS S. Evidence of a 4-6 day barotrophic, planetary oscillation of the Pacific Ocean. Journal of Physical Oceanography, v.12, no.7, 1982. pp.644-657.

MACKENZIE, KEVIN (with Jim McClain and John A. Orcutt). Constraints on crustal structure in eastern Iceland based on extremal inversions of refraction data. Journal of Geophysical Research, v.87, no.B8, 1982. pp.6371-6382.

MAHONEY, JOHN J. (with J. Douglas Macdougall, G. W. Lugmair, A. V. Murali, M. Sankar Das and K. Gopalan). Origin of the Deccan Trap flows at Mahabaleshwar inferred from Nd and Sr isotopic and chemical evidence. Earth and Planetary Science Letters, v.60, 1982. pp.47-60.

MARCHISIO, G. B. (with W. S. Hodgkiss). Deconvolution applied to a near-bottom, seismic profiler. Acoustical Society of America. Journal, v.72, no.5, 1982. pp.1478-1491.

MASTERS, T. G. (with Thomas H. Jordan, Paul G. Silver and J. Freeman Gilbert). Aspherical Earth structure from fundamental spheroidal-mode data. Nature, v.298, no.5875, 1982. pp.609-613.

MAUTNER, T. S. (with C. W. Van Atta). An experimental study of the wall-pressure field associated with a turbulent spot in a laminar boundary layer. Journal of Fluid Mechanics, v.118, 1982. pp.59-77.

MAYER, L. A. Erosional troughs in deep-sea carbonates and their relationship to basement structure. Marine Geology, v.39, 1981. pp.59-80.

MCMILLAN, CHARMION B. (with Robert L. Wisner). Results of the research cruises of FRV "Walther Herwig" to South America, LX. Nemamyxine kreffti, a new species of hagfish from off Argentina. Archiv Fuer Fischereiwissenschaft, v. 32, no. 1/3, 1982. pp. 33-38.

MEISS, JAMES D. (with Kenneth Watson). Internal-wave interractions in the induced-diffusion approximation. Journal of Fluid Mechanics, v. 117, 1982. pp. 315-341.

METZLER, CHRISTOPHER V. (with Chiye R. Wenkam and Wolfgang H. Berger). Dissolution of foraminifera in the eastern equatorial Pacific: an in situ experiment. Journal of Foraminiferal Research, v. 12, no. 4, 1982. pp.362-368.

MEYER, J. HARLAN (with Harold H. Zakon). Androgens alter the tuning of electroreceptors. Science, v. 217, 1982. pp. 635-637.

MEYERS, GARY (with Warren B. White and Keiichi Hasunuma). Annual variation in baroclinic structure of the northwestern tropical Pacific. Oceanographie Tropicale, v. 17, no. 1, 1982. pp. 59-69.

MEYERS, GARY. Interannual variation in sea level near Truk Island--a bimodal seasonal cycle. Journal of Physical Oceanography, v. 12, no. 11, 1982. pp. 1161-1168.

MIKKELSEN, NAJA (with Helmut Erlenkeuser, J. S. Killingley and Wolfgang H. Berger). Norwegian corals: radiocarbon and stable isotopes in Lophelia Pertusa. Boreas, v. 11, 1982. pp. 163-171.

MILES, JOHN W. A note on edge waves on a flat shelf. Geophysical and Astrophysical Fluid Dynamics, v. 18, 1981. pp. 243-251.

MILES, JOHN W. On a nonlinear Bessel equation. S. I. A. M. Journal on Applied Mathematics, v. 42, no. 1, 1982. pp. 109-112.

MILES, JOHN W. On Rayleigh scattering by a grating. Wave motion, v. 4, 1982. pp.285-292.

MILES, JOHN W. On surface-wave diffraction by a trench. Journal of Fluid Mechanics, v. 115, 1982. pp. 315-325.

MILES, JOHN W. On surface-wave radiation from a submerged cylindrical duct. Journal of Fluid Mechanics, v. 122, 1982. pp. 339-346.

MOORE, DAVID G. (with Joseph R. Curray). Geologic and tectonic history of the Gulf of California. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project, v. 64. Part 2. Washington, D. C., U. S. Government Printing Office, 1982. pp. 1279-1294.

MOORE, DAVID G. (with Joseph R. Curray and Gerhard Einsele). Salado-Vinorama submarine slide and turbidity current off the southeast tip of Baja California. In: Curray, J. R., Moore, D. G., et al., Initial Reports of the Deep Sea Drilling Project. v. 64, Part 2. Washington, D. C., U. S. Government Printing Office, 1982. pp. 1071-1082.

MOORE, GREGORY F. (with Peter Lonsdale and R. von Huene). Near-bottom observations of the Middle America Trench off Guatemala. In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project, v. 67, Washington, D. C., U. S. Government Printing Office, 1982. pp.707-718.

MOORE, GREGORY F. (with Joseph R. Curray and Frans J. Emmel). Sedimentation in the Sunda Trench and forearc region. In: Trench-Forearc Geology, edited by Jeremy K. Leggett, (Geological Society of London Special Publication, v. 10). Boston, Blackwell Scientific Publications, 1982. pp.245-258.

MOREL, ANDRE (with Raymond C. Smith). Terminology and units in optical oceanography. Marine Geodesy, v. 5, no. 4, 1982. pp. 335-349.

MUNK, WALTER H. (with Carl Wunsch). Observing the ocean in the 1990s. Royal Society of London. Philosophical Transactions. Series A, v. 307, 1982. pp.439-464.

MUNK, WALTER H. Why is the Earth a poor timekeeper? Comments on The Earth's Variable Rotation: geophysical causes and consequences by Kurt Lambeck. Geophysical Journal, v. 69, 1982. pp. 831-835.

NAMIAS, JEROME Anatomy of Great Plains protracted heat waves (especially the 1980 U. S. summer drought). Monthly Weather Review, v. 110, no. 7, 1982. pp. 824-838.

NAMIAS, JEROME Sea Surface temperature teleconnections in the North Pacific and related coastal phenomena. In: First International Conference on Meteorology and Air/Sea Interaction of the Coastal Zone, May 10-14, 1982, The Hague, Netherlands. Boston, American Meteorological Society, 1982. pp. 301-304.

NATLAND, JAMES H. (with John J. Mahoney). Alteration in igneous rocks at Deep Sea Drilling Project Sites 458 and 459, Mariana fore-arc region relationship to basement structure. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v. 60, Washington, D. C., U. S. Government Printing Office, 1981. pp. 769-788.

NATLAND, JAMES H. Crystal morphologies and pyroxene compositions in boninites and tholeitic basalts from Deep Sea Drilling Project Holes 458 and 459B in the Mariana fore-arc region. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v. 60, Washington, D.C., U. S. Government Printing Office, 1981. pp. 681-707.

NATLAND, JAMES H. (with Roger Hekinian). Hydrothermal alteration of basalts and sediments at Deep Sea Drilling Project Site 456, Mariana Trough. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v. 60, Washington, D. C., U. S. Government Printing Office, 1981. pp. 759-767.

NATLAND, JAMES H. Petrography and mineral compositions of gabbros recovered in Deep Sea Drilling Project Hole 453 on the western side of the Mariana Trough. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v. 60, Washington, D. C., U. S. Government Printing Office, 1981. pp. 579-599.

NATLAND, JAMES H. (with John Tarney). Petrologic evolution of the Mariana arc and back-arc basin system--a synthesis of drilling results in the South Philippine Sea. In: Hussong, D. M., Uyeda, S., et al., Initial Reports of the Deep Sea Drilling Project, v. 60, Washington, D. C., U. S. Government Printing Office, 1981. pp. 877-908.

NEORI, A. (with O. Holm-Hansen). Effect of temperature on rate of photosynthesis in Antarctic phytoplankton. Polar Biology, v. 1, 1982. pp.33-38.

NISHIDA, HIDEO (with Warren B. White). Horizontal eddy fluxes of momentum and kinetic energy in the near-surface of the Kuroshio Extension. Journal of Physical Oceanography, v. 12, no. 2, 1982. pp. 160-170.

OLSON, ALLEN H. (with R. J. Apsel). Finite faults and inverse theory with applications to the 1979 Imperial Valley earthquake. Seismological Society of America. Bulletin, v. 72, no. 6, 1982. pp. 1969-2001.

OLSON, R. J. Differential photoinhibition of Marine nitrifying bacteria: a possible mechanism for the formation of the primary nitrite maximum. Journal of Marine Research, v. 39, no. 2, 1981. pp. 227-238.

OLSON, R. J. 15N tracer studies of the primary nitrite maximum. Journal of Marine Research, v. 39, no. 2, 1981. pp. 203-226.

PARDY, R. L. (with Ralph A. Lewin). Colonial ascidians with prochlorophyte symbionts: evidence for translocation of metabolites from alga to host. Bulletin of Marine Science, v. 31, no. 4, 1981. pp. 817-823.

PARKER, ROBERT L. (with Loren Shure). Efficient modeling of the Earth's magnetic field with harmonic splines. Geophysical Research Letters, v. 9, no. 8, 1982. pp. 812-815.

PARKER, ROBERT L. The existence of a region inaccessible to magnetotelluric sounding. Geophysical Journal, v. 68, 1982. pp. 165-170.

PAZAN, S. (with Gary Meyers). Interannual fluctuations of the tropical Pacific wind field and the Southern Oscillation. Monthly Weather Review, v.110, no. 6, 1982. 587-600.

PINKEL, ROBERT. Observations of the near-surface internal wavefield. Journal of Physical Oceanography, v. 11, no. 9, 1981. pp. 1248-1257.

PLASSMANN, WOLFGANG. Central projections of the octaval system in the thornback ray Platyrhinoidis triseriata. Neuroscience Letters, v. 32, 1982. pp. 229-233.

PRIESTLEY, KEITH (with John A. Orcutt). Extremal travel time inversion of explosion seismology data from the eastern Snake River Plain, Idaho. Journal of Geophysical Research, v. 87, no. B4, 1982. pp. 2634-2642.

PRIESTLEY, KEITH (with James Brune). Shear wave structure of the Southern Volcanic Plateau of Oregon and Idaho and the northern Great Basin of Nevada from surface wave dispersion. Journal of Physical Research, v. 87, no. B4, 1982. pp. 2671-2675.

RAHN, H. (with H. T. Hammel). Incubation water loss, shell conductance, and pore dimensions in Adelie penguin eggs. Polar Biology, v. 1, 1982. pp. 91-97.

REGIER, LLOYD. Mesoscale current fields observed with a shipboard profiling acoustic current meter. Journal of Physical Oceanography, v. 12, 1982. pp. 880-886.

REID, JOSEPH. Evidence of an effect of heat flux from the East Pacific Rise upon the characteristics of the mid-depth waters. Geophysical Research Letters, v. 9, no. 4, 1982. pp. 381-384.

RIEDEL, WILLIAM R. (with M. Jean Westberg). Radiolarians from the Middle America Trench off Guatemala, Deep Sea Drilling Project Leg 67. In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project. v.67, Washington, D. C., U. S. Government Printing Office, 1982. pp.401-424.

ROADS, JOHN OWEN (with Richard C. J. Somerville). Predictability of ultralong waves in global and hemispheric quasi-geostrophic barotrophic models. Journal of the Atmospheric Sciences, v. 39, no. 4, 1982. pp. 745-755.

ROADS, JOHN OWEN Stable and unstable near resonant states in multilevel, severly truncated, quasi-geostrophic models. Journal of the Atmospheric Sciences, v. 39, no. 3, 1982. pp. 203-224.

SAIDEL, WILLIAM M. Connections of the octopus optic lobe: an HRP study. Journal of Comparative Neurology, v. 206, 1982. pp. 346-358.

SALMON, RICK. Geostrophic turbulence. In: Topics in Ocean Physics, edited by A. R. Osborne and P. Malanotte Rizzoli. New York, North-Holland Publishing Co., 1982. pp. 30-78.

SANFILIPPO, ANNIKA (with William R. Riedel). Revision of the radiolarian genera Theocotyle, Theocotylissa and Thyrsocyrtis. Micropaleontology, v. 28, no. 2, 1982. pp. 170-188.

SCHMITT, WALTER R. Marine power--accomplishments of the 1970's. In: Energy--the Spark and Lifeline of Civilization; Proceedings of the 17th Intersociety Energy Conversion Engineering Conference, Los Angeles, California, August 8-12, 1982. New York, Institute of Electrical and Electronics Engineers, 1982. pp. 1418- 1421.

SCHRAM, FREDERICK R. (with W. D. Ian Rolfe). New euthycarcinoid arthropods from the Upper Pennsylvanian of France and Illinois. Journal of Paleontology, v. 56, no. 6, 1982. pp. 1434-1450.

SEYMOUR, RICHARD J. (with David B. King, Jr.). Field comparisons of cross-shore transport models. Journal of the Waterway, Port, Coastal and Ocean Division, v. 108, 1982. pp. 163-179.

SHAW, MARTHA J. Coastal response of Leadbetter Beach, Santa Barbara, to Southern California storms of February 16-21, 1980. In: Storms, Floods, and Debris Flow in Southern California and Arizona, 1978 and 1980; Proceedings of a Symposium, September 17-18, 1980. Washington, D. C., National Academy Press, 1982. pp. 437-452.

SHEPARD, FRANCIS P. Abra Delta and northward continuation of Philippine Great Fault. Marine Geology, v. 41, 1981. pp. 103-111.

SHEPARD, FRANCIS P. (with Gary G. Sullivan and Fergus J. Wood). Greatly accelerated currents in submarine canyon head during optimum astronomical tide- producing conditions. Shore and Beach, v. 49, no. 1, 1981. pp.32-34.

SHEPARD, FRANCIS P. (with Erk Reimnitz). Sedimentation bordering the Rio Balsas delta and canyons, western Mexico. Geological Society of America. Bulletin, Part 1, v. 92, 1981. pp. 395-403.

SHEPARD, FRANCIS P. Submarine canyons: multiple causes and long-time persistence. American Association of Petroleum Geologists. Bulletin, v. 65, no. 6, 1981. pp. 1062-1077.

SHURE, LOREN (with Robert L. Parker). An alternative explanation for intermediate-wavelength magnetic anomalies. Journal of Geophysical Research, v. 86, no. B12, 1981. pp. 11,600-11,608.

SHURE, LOREN (with Robert L. Parker and George E. Backus). Harmonic splines for geomagnetic modelling. Physics of the Earth and Planetary Interiors, v. 28, 1982. pp. 215-229.

SIEBENALLER, JOSEPH F. (with George N. Somero and Richard L. Haedrich). Biochemical characteristics of macrourid fishes differring in their depths of distribution. Biological Bulletin, v. 163, 1982. pp. 240-249.

SIEBENALLER, JOSEPH F. (with George N. Somero). The maintenance of different enzyme activity levels in congeneric fishes living at different depths. Physiological Zoology, v. 55, no. 2, 1982. pp. 171-179.

SINGH, S. K. (with R. J. Apsel, J. Fried and James Brune). Spectral attenuation of SH waves along the Imperial Fault. Seismological Society of America. Bulletin, v. 72, no. 6, 1982. pp. 2003-2016.

SMITH, PAUL E. (with Richard W. Eppley). Primary production and the anchovy population in the Southern California Bight: comparison of time series. Limnology and oceanography, v. 27, no. 1, 1982. pp. 1-17.

SMITH, RAYMOND (with Karen S. Baker). Assessment of the influence of enhanced UV-B on marine primary productivity. In: The Role of Solar Ultraviolet Radiation in Marine Ecosystems, edited by John Calkins. New York, Plenum Press, 1982. pp. 509-537.

SMITH, RAYMOND (with Richard W. Eppley and Karen S. Baker). Correlation of primary production as measured aboard ship in Southern California coastal waters and as estimated from satellite chlorophyll images. Marine Biology, v. 66, 1982. pp. 281-288.

SMITH, RAYMOND (with Karen S. Baker). Oceanic chlorophyll concentrations as determined by satellite (Nimbus-7 coastal zone color scanner). Marine Biology, v. 66, 1982. pp. 269-279.

SPIESS, FRED N. (with Peter Lonsdale). Deep Tow rise crest exploration techniques. Marine Technology Society. Journal, v. 16, no. 3, 1982. pp. 67-74.

STARR, SUSAN S. Databases in the marine sciences. Online Review, v. 6, no. 2, 1982. pp. 109-126.

STEWART, JOAN G. Anchor species and epiphytes in intertidal algal turf. Pacific Science, v. 36. no. 1, 1982. pp. 45-59.

STEWART JOAN G. (with James N. Norris). Gelidiaceae (Rhodophyta) from the northern Gulf of California, Mexico. Phycologia, v. 20, no. 3, 1981. pp.273- 284.

SULLIVAN, BRIAN (with D. John Faulkner). An antimicrobial sesterterpene from a Palauan sponge. Tetrahedron Letters, v. 23, no. 9, 1982. pp. 907-910.

SWEZEY, ROBERT R. (with George N. Somero). Polymerization thermodynamics and structural stabilities of skeletal muscle actins from vertebrates adapted to different temperatures and hydrostatic pressures. Biochemistry, v. 21, 1982. pp. 4496-4503.

SWEZEY, ROBERT R. (with George N. Somero). Skeletal muscle actin content is strongly conserved in fishes having different depths of distribution and capacities of locomotion. Marine Biology Letters, v. 3, 1982. pp.307-315.

TALBOT, CRAIG F. (with Victor D. Vacquier). The purification and characterization of an Exo-B(1-3)-glucanohydrolase from sea urchin eggs. Journal of Biological Chemistry, v. 257, no. 2, 1982. pp. 742-746.

THIERSTEIN, H. R. The terminal Cretaceous extinction event and climate stability. In: Climate in Earth History. Washington, D. C., National Academy Press, 1982. pp. 90-96.

THIERSTEIN, H. R. Terminal Cretaceous plankton extinctions: a critical assessment. Geological Society of America. Special Papers, v. 190, 1982. pp. 385-399.

THOMPSON, JANICE E. (with Roger P. Walker, Stephen J. Wratten and D. John Faulkner). A chemical defense mechanism for the nudibranch Cadlina luteomarginata. Tetrahedron, v. 38, no. 13, 1982. pp. 1865-1873.

THORNTON, EDWARD B. (with Robert T. Guza). Energy saturation and phase speeds measured on a natural beach. Journal of Geophysical Research, v. 87, no. C12, 1982. pp. 9499-9508.

THORNTON, EDWARD B. (with Robert T. Guza). Longshore currents and bed shear stress. In: Proceedings of the Conference on Directional Wave Spectra Applications, 14-16 September 1981, University of California, Berkeley, California, edited by Robert L. Wiegel. New York, American Society of Civil Engineers, 1982. pp. 147-164.

TONG, SHANG-LIANG (with Theodore Holmes Bullock). Electroreceptive representation and its dynamics in the cerebellum of the catfish, Ictalurus nebulosus (Ictaluridae, Siluriformes). Journal of Comparative Physiology. Section A., v. 145, 1982. pp. 289-298.

TONG, SHANG-LIANG The nucleus praeeminentialis: an electro- and mechanoreceptive center in the brainstem of the catfish. Journal of Comparative Physiology. Section A., v. 145, 1982. pp. 299-309.

TONG, SHANG-LIANG (with Theodore Holmes Bullock). The sensory functions of the cerebellum of the thornback ray Platyrhinoidis triseriata. Journal of Comparative Physiology. Section A., v. 148, 1982. pp. 399-410.

TSUCHIYA, MIZUKI. On the Pacific upper-water circulation. Journal of Marine Research, v. 40 supplement, 1982. pp. 777-799.

VENRICK, ELIZABETH L. Phytoplankton in an oligotrophic ocean: observations and questions. Ecological Monographs, v. 52, no. 2, 1982. pp. 129-154.

VESECKY, JOHN F. (with Robert H. Stewart). The observation of ocean surface phenomena using imagery from the SEASAT synthetic aperture radar: an assessment. Journal of Geophysical Research, v. 87, no. C5, 1982. pp. 3397-3430.

WALDORF, B. WALTON (with Reinhard E. Flick). Monitoring beach erosion control alternatives, southern California examples. In: Oceans '82. New York, Institute of Electrical and Electronics Engineers, 1982. pp. 973-979.

WALLACE, GORDON T., JR. (with Don L. R. Seibert, Susan M. Holzknecht and William H. Thomas). The biogeochemical fate and toxicity of mercury in controlled experimental ecosystems. Estuarine, Coastal and Shelf Science, v. 15, 1982. pp. 151-182.

WALSH, P. J. (with George N. Somero). Interactions among pyruvate concentration, pH and Km of pyruvate in determining in vivo Q10 values of the lactate dehydrogenase reaction. Canadian Journal of Zoology, v. 60, no. 6, 1982. pp. 1293-1299.

WASHBURN, LIBE (with Carl H. Gibson). Measurements of oceanic temperature microstructure using a small conductivity sensor. Journal of Geophysical Research, v. 87, no. C6, 1982. pp. 4230-4240.

WEISS, RAY F. Determinations of carbon dioxide and methane by dual catalyst flame ionization chromatography and nitrous oxide by electron capture chromatography. Journal of Chromatographic Science, v.19, 1981. pp. 611-616.

WESTBERG, M. JEAN (with William R. Riedel). Radiolarians from the Middle America Trench off Guatemala, Deep Sea Drilling Project Leg 67. In: Aubouin, J., von Huene, R., et al., Initial Reports of the Deep Sea Drilling Project, v. 67. Washington, D. C., U. S. Government Printing Office, 1982. pp. 401-424.

WHITE, F. N. (with George N. Somero). Acid-base regulation and phospho-lipid adaptations to temperature: time courses and physiological significance of modifying the milieu for protein function. Physiological Reviews, v. 62, no. 1, 1982. pp. 40-90.

WHITE, F. N. A comparative physiological approach to hypothermia. Journal of Thoracic and Cardiovascular Surgery, v. 82, no. 6, 1981. pp. 821-831.

WHITE, WARREN B. (with Gary Meyers and Keiichi Hasunuma). Space/time statistics of short-term climatic variability in the western North Pacific. Journal of Geophysical Research, v. 87, no. C3, 1982. pp. 1979-1989.

WHITE, WARREN B. Traveling wave-like mesoscale perturbations in the North Pacific Current. Journal of Physical Oceanography, v. 12, no. 3, 1982. pp.231- 243.

WILLIAMS, P. M. (with D. R. Long, C. C. Price, Kenneth J. Robertson and E. S. Van Vleet). A mobile platform for studying sea-surface films. Deep-Sea Research, Part A. v. 29, no. 5, 1982. pp. 541-646.

WINANT, CLINTON D. Coastal circulation and wind-induced currents. Annual Review of Fluid Mechanics, v. 12, 1980. pp. 271-301.

WINANT, CLINTON D. Downwelling over the Southern California Shelf. Journal of Physical Oceanography, v. 10, no. 5, 1980. pp. 791-799.

WORCESTER. PETER F. An example of ocean acoustic multipath identification at long range using both travel time and vertical arrival angle. Acoustical Society of America. Journal, v. 70, no. 6, 1981. pp. 1743-1747.

WRIGHT, L. D. (with Robert T. Guza and A. D. Short). Dynamics of high-energy dissipative surf zone. Marine Geology, v. 45, 1982. pp. 41-62.

WYATT, FRANK G. (with G. Cabaniss and D. Agnew). A comparison of tiltmeters at tidal frequencies. Geophysical Research Letters, v. 9, no. 7, 1982. pp. 743-746.

WYATT, FRANK G. Displacement of surface monuments: horizontal motion. Journal of Geophysical Research, v. 87, no. B2, 1982. pp. 979-989.

WYATT, FRANK G. (with Kent Beckstrom and Jon Berger). The optical anchor--a geophysical strainmeter. Seismological Society of America. Bulletin, v. 72, no. 5, 1982. pp. 1707-1715.

YANCEY, PAUL H. (with Mary E. Clark, Steven C. Hand, R. David Bowlus and George N. Somero). Living with water stress: evolution of osmolyte systems. Science, v. 217, 1982. pp. 1214-1222.

ZETLER, B. Computer Applications to Tides in the National Ocean Survey. Washington, D. C., National Oceanic and Atmospheric Administration, 1982. 85p.

ANDERSON, JOHN G. (with J. Enrique Luco). Consequences of slip rate constraints on earthquake occurrence relations. Seismological Society of America. Bulletin, v.73, no.2. 1983. pp.471-496.

ANDERSON, JOHN G. (with J. Enrique Luco). Parametric study of near-field ground motion for a strike-slip dislocation model. Seismological Society of America. Bulletin, v.73, no.1, 1983. pp.23-43.

ANDERSON, JOHN G. (with J. Enrique Luco). Parametric study of near-field ground motions for oblique-slip and dip-slip dislocation models. Seismological Society of America. Bulletin, v.73, no.1, 1983. pp.45-57.

ARMI, LAURENCE (with Henry Stommel). Four views of a portion of the North Atlantic Subtropical Gyre. Journal of Physical Oceanography, v.13, no.5, 1983. pp.828-857.

AZAM, FAROOQ (with T. Fenchel, J. G. Field, J. S. Gray, L. A. Meyer-Reil, and F. Thingstad). The ecological role of water-column microbes in the sea. Marine Ecology - Progress Series, v.10, 1983. pp.257-263.

BACHMAN, RICHARD T. (with Edwin L. Hamilton and Joseph R. Curray). Sediment sound velocities from sonobuoys: Sunda Trench and forearc basins, Nicobar and central Bengal fans, and Andaman Sea basins. Journal of Geophysical Research, v.88, no.B11, 1983. pp.9341-9346.

BAKER, KAREN S. (with R. C. Smith and James R. Nelson). Chlorophyll determinations with filter fluorometer: Lamp/filter combination can minimize error. Limnology and Oceanography, v.28, no.5, 1983. pp.1037-1040.

BALCH, W. M. (with P. C. Reid and S. C. Surrey-Gent). Spatial and temporal variability of dinoflagellate cyst abundance in a tidal estuary. Canadian Journal of Fisheries and Aquatic Sciences, v.40, Supp. no.1, 1983. pp.244-261.

BARNETT, TIM P. (with Richard C. J. Somerville). Advances in short term climate prediction. Reviews of Geophysics and Space Physics, v.21, no.5, 1983. pp.1096-1102.

BARNETT, TIM P. Interaction of the Monsoon and Pacific Trade Wind system at interannual time scales. Part I: The equatorial zone. Monthly Weather Review, v.111, no.4, 1983. pp.756-773.

BARNETT, TIM P. Long-term changes in dynamic height. Journal of Geophysical Research, v.88, no.C14, 1983. pp.9547-9552.

BARNETT, TIM P. Recent changes in sea level and their possible causes. Climatic Change, v.5, 1983. pp. 15-38.

BASCOM, WILLARD The effects of waste disposal on the coastal waters of Southern California. Environmental Science and Technology, v. 16, no.4, 1982. pp.226A-236A

BASCOM, WILLARD Effects on the ecosystem of sewage sludge disposal from a pipeline. Water Science and Technology, v.14, 1981. pp.41-52.

BASCOM, WILLARD The non-toxicity of metals in the sea. Marine Technology Society. Journal, v.17, no.1, 1983. pp.59-66.

BECKER, KEIR (with M. G. Langseth, Richard P. Von Herzen, and Roger N. Anderson). Deep crustal geothermal measurements, hole 504B, Costa Rica Rift. Journal of Geophysical Research, v.88, no.B4, 1983. pp.3447-3457.

BECKER, KEIR (with M. G. Langseth and Richard P. Von Herzen). Deep crustal geothermal measurements, hole 504B, Deep Sea Drilling Project Legs 69 and 70. In: Initial Reports of the Deep sea Drilling Project, v.69, edited by J. R. Cann, M. G. Langseth, J. Honnorez, Richard P. Von Herzen, and S. M. White. Washington, D. C., U.S. Government Printing Office, 1983. pp.223-235.

BECKER, KEIR (with Richard P. Von Herzen and Shun-ichiro Karato). Geothermal measurements from drilling of sediments near the Galapagos Spreading Center 86 degrees W, Deep Sea Drilling Project Leg 70. In: Initial Reports of the Deep Sea Drilling Project, v.70, edited by J. Honnorez, Richard P. Von Herzen, et al. Washington, D. C., U. S. Government Printing Office, 1983. pp.445-458.

BECKER, KEIR (with Richard P. Von Herzen). Heat flow on the western flank of the East Pacific Rise at 21 degrees N. Journal of Geophysical Research, v.88, no.B2, 1983. pp.1057-1066.

BECKER, KEIR (with Richard P. Von Herzen). Heat transfer through the sediments of the mounds hydrothermal area, Galapagos Spreading Center at 86 degrees W. Journal of Geophysical Research, v.88, no.B2, 1983. pp.995-1008.

BEERS, JOHN R. An introduction and historical overview. Institut Oceanographique. Annales, v.58 Fasc. Supp., 1982. pp.5-14.

BEIERSDORF, HELMUT (with James H. Natland). Sedimentary and diagenetic processes in the central Panama Basin since the late Miocene: the lithology and composition of sediments from deep sea drilling project sites 504 and 505. In: Initial Reports of the Deep Sea Drilling Project, v.69, edited by J. R., Cann, M. G. Langseth, J. Honnorez, richard P. Von Herzen, and S. M. White. Washington, D. C., U. S. Government Printing Office, 1983. pp.343-383.

BERGER, WOLFGANG (with R.C. Finkel, J.S. Killingsley, and V. Marchig). Glacial- Holocene transition on deep-sea sediments: manganese-spike in the east- equatorial Pacific. Nature, v.303, no.5914, 1983. pp.231-233.

BHATTACHARYYA, PINAKILAL (with Benjamin E. Volcani). Isolation of silicate ionophone(s). from the apochlorotic diatom Nitzschia alba. Biochemical and Biophysical Research Communications, v.114, no.1, 1983. pp.365-372.

BOLIN, BERT (with P. J. Crutzen, P. M. Vitousek, R. G. Woodmansee, Edward D. Goldberg, and R. B. Cook). Interactions of biogeochemical cycles. In: The Major Biogeochemical Cycles and Their Interactions, edited by R. B. Cook. New York, N.Y., John Wiley & Sons, Inc., 1983. pp.1-39.

BROOKS, ELAINE R. (with Michael M. Mullin). Diel changes in the vertical distribution of biomass and species in the Southern California Bight. California Cooperative Oceanic Fisheries Investigations, Reports, v.24, 1983. pp.210-215.

BRUMSACK, HANS J. (with Joris M. Gieskes). Interstitial water trace-metal chemistry of laminated sediments from the Gulf of California, Mexico. Marine Chemistry, v.14, 1983. pp.89-106.

BUKRY, DAVID Upper Cenozoic silicoflagellates from offshore Eduador, Deep Sea Drilling Project site 504. In: Initial Reports of the Deep Sea Drilling Project, v.69, edited by J. R. Cann, M. G. Langseth, J. Honnorez, Richard P. Von Herzen, and S. M. White. Washington, D. C., U. S. Government Printing Office, 1983. pp.321-342.

BULLISTER, J. L. (with Ray F. Weiss). Anthropogenic chlorofluoromethanes in the Greenland and Norwegian seas. Science, v.221, 1983. pp.265-268.

BULLOCK, THEODORE HOLMES Electrical signs of activity in assemblies of neurons: compound field potentials as objects of study in their own right. Acta Morphologica Academiae Scientiarum Hungaricae, v. 31, no.1-3, 1983. pp.39-62.

BULLOCK, THEODORE HOLMES. Epilogue: Neurobiological roots and neuroethological sprouts. In: Neuroethology and Behavioral Physiology, edited by F. Huber and H. Markl. Berlin, Heidelberg, Springer-Verlag, 1983. pp.403-412.

BULLOCK, THEODORE HOLMES. Implications for neuroethology from comparative neurophysiology. In: Advances in Vertebrate Neuroethology, edited by Jorg-Peter Ewert, Robert R. Capranica, and David J. Ingle. New York, N.Y., Plenum Publishing Corporation, 1983. pp.53-75.

BULLOCK, THEODORE HOLMES. Neuroethological role of dynamic traits of excitable cells: a proposal for the physiological a basis of slothfulness in the sloth. In: The Physiology of Excitable Cells: Proceedings of a Symposium in honor of Professor Susumu Hagiwara, held in Santa Monica, California, November 6-8, 1982, edited by William J. Moody, Jr. New York, N.Y., Alan R. Liss, 1983. pp.587-595.

BULLOCK, THEODORE HOLMES Perspectives on the neuroethology of sensory convergences. Fortschritte der Zoologie, v.28, 1983. pp.385-394.

BULLOCK, THEODORE HOLMES (with David Bodznick and R. Glenn Northcutt). The phylogenetic distribution of electroreception: evidence for convergent evolution of a primitive vertebrate sense modality. Brain Research Reviews, v.6, 1983. pp.25-46.

BRUDIGE, DAVID J. (with Joris M. Gieskes). A pore water/solid phase diagenetic model for manganese in marine sediments. American Journal of Science, v.283, 1983. pp.29-47.

CARTE, BRAD (with D. John Faulkner). Defensive metabolites from three nembrothid nudibranchs. Journal of Organic Chemistry, v.48, no.14, 1983. pp.2314-2318.

CHAVE, ALAN D. On the theory of electromagnetic induction in the earth by ocean currents. Journal of Geophysical Research, v. 88, no. B4, 1983. pp. 3531-3542.

CHELTON, DUDLEY B. (with Patricio A. Bernal and John A. McGowan). Large-scale interannual physical and biological interaction in the California Current. Journal of Marine Research, v. 40, no. 4, 1982. pp. 1095-1125.

CHENG, LANNA (with P. Holdway). Halobates collected during the circumnavigational expedition 'Operation Drake'. Linnean Society of London Zoological Journal, v. 78, 1983. pp. 187-198.

CHENG, LANNA (with Patti D. Schmitt). Marine insects of the genera Halobates and Hermatobates (Heteroptera) from neuston tows around Lizard Island, Great Barrier Reef. Australian Journal of Marine and Freshwater Research, v. 33, 1982. pp. 1109-1112.

CHENG, LANNA (with C. S. Harrison). Seabird predation on the sea-skater Halobates sericeus (Heteroptera Gerridae). Marine Biology, v. 72, 1983. pp. 303-309.

CHUNG, YU-CHIA (with R. C. Finkel, M. P. Bacon, J. K. Cochran, and S. Krishnaswami). Intercomparison of 210Pb measurements at GEOSECS station 500 in the northeast Pacific. Earth and Planetary Science Letters, v. 65, 1983. pp. 393-405.

CHUNG, YU-CHIA (with Harmon Craig). 210Pb in the Pacific: the GEOSECS measurements of particulate and dissolved concentrations. Earth and Planetary Science Letters, v. 65, 1983. pp. 406-432.

COLEMAN, A. W. (with Ralph A. Lewin). The disposition of DNA in Prochloron (prochlorophyta). Phycologia, v. 22, no. 2, 1983. pp. 209-212.

CORWIN, JEFFERY T. (with Theodore Holmes Bullock and Jeff Schweitzer). The auditory brain stem response in five vertebrate classes. Electroencephalography and Clinical Neurophysiology, v. 54, 1982. pp. 629-641.

CORWIN, JEFFERY T. (with R. Glenn Northcutt). Auditory centers in the elasmobranch brain stem: deoxyglucose autoradiography and evoked potential recording. Brain Research, v. 236, 1982. pp. 261-273.

COSTA, D. P. (with G. L. Kooyman). Oxygen consumption, thermoregulation and the effect of fur oiling and washing on the sea otter, Enhydra lutris. Canadian Journal of Zoology, v. 60, no. 11, 1982. pp. 2761-2767.

COX, JAMES L. (with L. R. Haury and James J. Simpson). Spatial patterns of grazing-related parameters in California coastal surface waters, July 1979. Journal of Marine Research, v. 40, no. 4, 1982. pp. 1127-1153.

CRISPINO, LUIS. Modification of responses from specific sensory systems in midbrain by cerebellar stimulation: experiments on a teleost fish. Journal of Neurophysiology, v. 49, no. 1, 1983. pp. 3-15.

DAVIS, R. W. Lactate and glucose metabolism in the resting and diving harbor seal (Phoca vitulina). Journal of Comparative Physiology, v. 153, 1983. pp. 275-288.

DAVIS, R. W. (with M. A. Castellini, G. L. Kooyman, and R. Maue). Renal Glomerular filtration rate and hepatic blood flow during voluntary diving in Weddell seals. American Journal of Physiology, v. 245, 1983. pp. R743-R748.

DAVIS, R. W. (with Gerald L. Kooyman and J. P. Croxall). Water flux and estimated metabolism of free-ranging gentoo and macaroni penguins at South Georgia. Polar Biology, v. 2, 1983. pp. 41-46.

DE WEILLE, J. R. Electrosensory information processing by lateral-line lobe neurons of catfish investigated by means of white noise cross-correlation. Comparative Biochemistry and Physiology. Part A., v. 74, no. 3, 1983. pp. 677- 680.

DIAZ, HENRY F. (with Jerome Namias). Associations between anomalies of temperature and precipation in the United States and western Northern Hemisphere 700 mb height profiles. Journal of Climate and Applied Meteorology, v. 22, no. 3, 1983. pp. 352-363.

DICKEY, T. D. (with James J. Simpson). The influence of optical water type on the diurnal response of the upper ocean. Tellus, Series B. v. 35, 1983. pp. 142-154.

DICKEY, T. D. (with James J. Simpson). The sensitivity of upper ocean structure to time varying wind direction. Geophysical Research Letters, v. 10, no. 2, 1983. pp. 133-136.

DORMAN, L. M. Modelling and parameterization errors in body wave seismology. Geophysical Journal, v. 72, 1983. pp. 571-576.

DOUGLAS, ARTHUR V. (with Daniel R. Cayan and Jerome Namias). Large-scale changes in North Pacific and North American weather patterns in recent decades. Monthly Weather Review, v. 110, no. 12, 1982. pp. 1851-1862.

DRABEK, C. M. (with G. L. Kooyman). Terminal airway embryology of the Delphinid porpoises, Stenella attenuata and S. longirostris. Journal of Morphology, v. 175, 1983. pp. 65-72.

DRUFFEL, E. R. M. (with Hans E. Seuss). On the radiocarbon record in banded corals: exchange parameters and net transport of 14CO2 between atmosphere and surface ocean. Journal of Geophysical Research, v. 88, no. C2, 1983. pp. 1271- 1280.

EPPLEY, RICHARD W. (with Edward H. Renger and Peter R. Betzer). The residence time of particulate organic carbon in the surface layer of the ocean. Deep-Sea Research, Part A, v. 30, no. 3, 1983. pp. 311-323.

FALL, RAY (with Ralph A. Lewin and Lana R. Fall). Intracellular coagulation inhibits the extraction of proteins from Prochloron. Phytochemistry, v. 22, no. 11, 1983. pp. 2365-2368.

FARRINGTON, JOHN W. (with Edward D. Goldberg, Robert W. Risebrough, John H. Martin, and Vaughan T. Bowen). U. S. "Mussel Watch" 1976-1978: an overview of the trace-metal, DDE, PCB, hydrocarbon, and artificial radionuclide data. Environmental Science and Technology, v. 17, 1983. pp. 490-496.

FAULKNER, D. JOHN. Biologically-active metabolites from Gulf of California marine invertebrates. Revista Latinoamericana de Quimica, v. 14, no. 2, 1983. pp. 61-67.

FAULKNER, D. JOHN (with Michael T. Ghiselin). Chemical defense and evolutionary ecology of dorid nudibranchs and some other opisthobranch gastropods. Marine Ecology--Progress Series, v. 13, 1983. pp. 295-301.

FILLOUX, JEAN H. Pressure fluctuations on the open-ocean floor off the Gulf of California: tides, earthquakes, tsunamis. Journal of Physical Oceanography, v. 13, no. 5, 1983. pp. 783-796.

FILLOUX, JEAN H. Seafloor magnetotelluric soundings in the Marine Island arc area. In: The Tectonic and Geologic Evolution of Southeast Asian Seas and Islands, Part 2. Geophysical Monograph Series, v. 27, edited by Dennis E. Hayes. Washington, D. C., American Geophysical Union, 1982. pp. 255-265.

FISHER, ROBERT L. (with John G. Sclater). Tectonic evolution of the Southwest Indian Ocean since the Mid-Cretaceous: plate motions and stability of the pole of Antarctica/Africa for at least 80 Myr. Geophysical Journal, v. 73, 1983. pp. 553-576.

FLEMINGER, ABRAHAM Description and phylogeny of Isaacsicalanus paucisetus, n. gen., n. sp. (Copepoda: Calanoida: Spinocalanidae) from an East Pacific hydrothermal vent site 21 deg. N. Proceedings of the Biological Society of Washington, v. 96, no. 4, 1983. pp. 605-622.

FUHRMAN, J. A. (with Farooq Azam). Adaptions of bacteria to marine subsurface waters studied by temperature response. Marine Ecology--Progress Series, v. 13, 1983. pp. 95-98.

FUHRMAN, J. A. (with Farooq Azam). Thymidine incorporation as a measure of heterotrophic bacterioplankton production in marine surface waters: evaluation and field results. Marine Biology, v. 66, 1982. pp. 109-120.

GACHE, CHRISTIAN (with Henry L. Niman and Victor D. Vacquier). Monoclonal antibodies to the sea urchin egg vitelline layer inhibit fertilization by blocking sperm adhesion. Experimental Cell Research, v. 147, 1983. pp. 75-84.

GAO, TAIN-FU (with Er-Chang Shang). Effect of the branch-cut on the transformation between modes and rays. Acoustical Society of America. Journal, v. 73, no. 5, 1983. pp. 1551-1555.

GIESKES, JORIS The chemistry of interstitial waters of deep sea sediments: interpretation of deep sea drilling data. In: Chemical Oceanography, v. 8, London, England, Academic Press, Ltd., 1983. pp. 221-269.

GIESKES, JORIS (with H. Elderfield and Brad Nevsky). Interstitial water studies, Leg 65, Deep Sea Drilling Project. In: Initial Reports of the Deep Sea Drilling Project, v. 65, edited by P. Robinson, et al. Washington, D. C., U. S. Government Printing Office, 1983. pp. 441-449.

GIESKES, JORIS (with Frank X. Sirocky and Judy LaKind). Interstitial water studies, Leg 72. In: Initial Reports of the Deep Sea Drilling Project, v. 72, edited by D. A. Johnson, et al. Washington, D.C., U. S. Government Printing Office, 1983. pp. 391-392.

GOLDBERG, EDWARD D. Can the oceans be protected? Canadian Journal of Fisheries and Aquatic Sciences, v. 40, Supp. No. 2, 1983. pp. 349-353.

GOLDBERG, EDWARD D. (with John H. Martin). Metals in sea water as recorded by mussels. In: Trace Metals in Sea Water, edited by C. S. Wong, Edward Boyle, Kenneth W. Bruland, J. D. Burton and Edward D. Goldberg. New York, N. Y., Plenum Publishing Corporation, 1983. pp. 811-823.

GOLDBERG, EDWARD D. The oceans as a waste receptable. In: Assimilative Capacity of the Oceans for Man's Wastes: Proceedings of a Workshop Arranged by SCOPE/ICSU Working Group on Chemical Changes in the Coastal Zones and Republic of China (Taiwan). National Committee for Tah-Jinn Printing Co., Ltd. 1982. pp. 1-7.

GOLDBERG, EDWARD D. (with Minoru Koide, V. F. Hodge, A. Russel Flegal, and John H. Martin). U. S. Mussel Watch: 1977-1978 results on trace metals and radionuclides. Estuarine, Coastal and Shelf Science, v. 16, 1983. pp. 69-93.

GOSWAMI, J. N. (with J. Douglas Macdougall). Nuclear track and compositional studies of olivines in CI and CM chondrites. Journal of Geophysical Research, v. 88, Supp., 1983. pp A755-A764.

GRAF, W. (with Dietrich L. Meyer). Central mechanisms counteract visually induced tonus asymmetries. Journal of Comparative Physiology, v. 150, 1983. pp. 473-481.

GRAHAM, JEFFREY B. (with F. J. Koehrn and Kathryn A. Dickson). Distribution and relative proportions of red muscle in scombrid fishes: consequences of body size and relationships to locomotion and endothermy. Canadian Journal of Zoology, v. 61, no. 9, 1983. pp. 2087-2096.

GRAHAM, JEFFREY B. The Transition to air breathing in fishes II. Effects of hyposia acclimation on the bimodal gas exchange of Ancistrus chagresi (Loricariidae). Journal of Experimental Biology, v. 102, 1983. pp. 157-173.

GRIFFIN, JOHN J. (with Edward D. Goldberg). Impact of fossil fuel combustion on sediments of Lake Michigan: a reprise. Environmental Science and Technology, v. 17, 1983. pp. 244-245.

GRYGIER, MARK J. Ascothoracida and the unity of Maxillopoda. In: Crustacean Phylogeny, edited by Frederick R. Schram. Rotterdam, Netherlands, A. A. Balkema, 1983. pp. 73-104.

GRYGIER, MARK J. Ascothorax, a review with descriptions of new species and remarks on larval development, biogeography, and ecology (Crustacea: Ascothoracida). Sarsia, v. 68, 1983. pp. 103-126.

GRYGIER, MARK J. Ctenosculum hawaiiense Heath: confirmation of its affinities (Crustacea: Ascothoracida-Ex Mollusca: Gastropoda). Journal of Crustacean Biology, v. 3, no. 2, 1983. pp. 257-265.

GRYGIER, MARK J. An endoparasitic Llamippid copepod in Acanella from the North Atlantic. Crustaceana, v. 45, no. 2, 1983. pp. 176-182.

GRYGIER, MARK J. Introcornia conjugans n. gen. n. sp., parasitic in a Japanese ahermatypic coral (Crustacea: Ascothoracida: Petrarcidae). Senckenbergiana Biologica, v. 63, no. 5/6, 1983. pp. 419-426.

GRYGIER, MARK J. A novel, planktonic ascothoracid larva from St. Croix (Crustacea). Journal of Plankton Research, v. 5, no.2, 1983. pp. 197-202.

GRYGIER, MARK J. Revision of Synagoga (Crustacea: Maxillopoda: Ascothoracida). Journal of Natural History, v. 17, 1983. pp.213-239.

GUZA, ROBERT T. (with Edward B. Thornton). Swash oscillations on a natural beach. Journal of Geophysical Research, v. 87, no. C1, 1982. pp. 483-491.

HAMMEL, H. T. Hulett's enhanced solvent tension. Physics and Chemistry of Liquids, v. 13, 1983. pp. 25-36.

HAMMEL, H. T. Phylogeny of regulatory mechanisms in temperature regulation. Journal of Thermal Biology, v. 8, 1983. pp. 37-42.

HAMMEL, H. T. (with C. H. Simon-Oppermann and E. Simon). Tonicity of carotid blood influences salt gland secretion in Pekin duck. Journal of Comparative Physiology, v. 149, 1983. pp. 451-456.

HAND, STEVEN C. (with George N. Somero). Energy metabolism pathways of hydrothermal vent animals: adaptions to a food-rich and sulfide-rich deep-sea environment. Biological Bulletin, v. 165, 1983. pp. 167-181.

HATHAWAY, DAVID H. (with Richard C. J. Somerville). Three-dimensional simulations of convection in layers with tilted rotation vectors. Journal of Fluid Mechanics, v. 126, 1983. pp. 75-89.

HAURY, L. R. (with Peter Howard Wiebe, Marshall H. Orr, and Melbourne G. Briscoe). Tidally generated high-frequency internal wave packets and their effects on plankton in Massachusetts Bay. Journal of Marine Research, v. 41, 1983. pp. 65-112.

HEMMINGSEN, BARBARA B. (with Edvard A. Hemmingsen). Intracellular bubble formation: differences in gas supersaturation tolerances between Tetrahymena and Euglena. Journal of Protozoology, v. 30, no. 3, 1983. pp. 608-612.

HESSLER, ROBERT R. (with George D. Wilson). The origin and biogeography of malacostracan crustaceans in the deep sea. In: Evolution, Time and Space: The Emergence of the Biosphere, edited by R. W. Sims, J. H. Price and P. E. S. Whalley. London and New York, Academic Press, 1983. pp. 227-254.

HEWES, C. D. (With O. Holm-Hansen and E. Sakshaug). Alternate carbon pathways at lower trophic levels in the Antarctic food web. In: Antarctic Nutrient Cycles and Food Webs, edited by W. R. Siegfried, P. R. Condy, and R. M. Laws. Berlin, Springer-Verlag, 1983. pp.277-283.

HEWES, C. D. (with O. Holm-Hansen). A method for recovering nanoplankton from filters for identification with the microscope: the filter-tranfer-freeze (FTF) technique. Limnology and Oceanography, v.28, no.2, 1983. pp.389-394.

HEWES, C. D. (with O. Holm-Hansen and E. Sakahaug). Nanoplankton and microplankton studies during the circumnavigation cruise. Antarctic Journal of the United States, v.18, 1983. Pp.169-173.

HOCHLOWSKI, JILL E. (with D. John Faulkner). Antibiotics from the marine pulmonate Siphonaria diemenensis. Tetrahedron Letters, v.24, no.18, 1983. pp.1917-1920.

HOCHLOWSKI, JILL E. (with D. John Faulkner, Lawrence S. Bass and Jon Clardy). Metabolites of the dorid nudibranch Chromodoris sedna. Journal of Organic Chemistry, v.48, 1983. pp.1141-1142.

HODGKISS, W. S. (with Victor C. Anderson). Acoustic positioning for an array of freely drifting infrasonic sensors. IEEE Journal of Oceanic Engineering. V.OE- 8, no.3, 1983. pp.116-119.

HODGKISS, W. S. The effects of array shape perturbation on beamforming and passive ranging. IEEE Journal of Oceanic Engineering, v.OE-8, no.3, 1983. pp.120-130.

HOLLIBAUGH, J. T. (with Farooq Azam). Microbial degradation of dissolved proteins in seawater. Limnology and Oceanography, v.28, no.6, 1983. pp.1104-1116.

HOLM-HANSEN, O. (with A. Neori and I. Koike). Phytoplankton distribution, biomass, and activity in the southwest Ross Sea. Antarctic Journal of the United States, v.17, no.5, 1982. pp.150-152.

HSU, C. C. (with Frederick H. Fisher). Effect of pressure on sound absorption in synthetic seawater and in aqueous solutions of MgSO4. Acoustical Society of America. Journal, v.74, no.2, 1983. pp.564-569.

HSU, C. C. (with Frederick H. Fisher). Pressure dependence of sound absorption in an aqueous solution of CaSO4. The Journal of Physical Chemistry, v.87, 1983. pp.2581-2584.

HUNTLEY, MARK E. (with K.-G Barthel and J. L. Star). Particle rejection by Calanus pacificus: discrimination between similarly sized particles. Marine Biology, v.74, 1983. pp.151-160.

INGRAM, CAMILLA L. (with Robert R. Hessler). Distribution and behavior of scavenging amphipods from the central North Pacific. Deep-Sea Research, Part A, v.30, no.7, 1983. pp.683-706.

JACKSON, GEORGE A. (with Clinton D. Winant). Effect of a kelp forest on coastal currents. Continental Shelf Research, v.2, no.1, 1983. pp.75-80.

JACKSON, GEORGE A. The physical and chemical environment of a kelp community. In: The Effects of Waste Disposal on Kelp Communities, edited by Willard Bascom. Long Beach, California, Southern California Coastal Water Research Project, 1983. pp.11-37.

JACKSON, GEORGE A. Zooplankton grazing effects on 14C-based phytoplankton production measurements: a theoretical study. Journal of Plankton Research, v.5, no.1, 1983. pp.83-94.

JENDEN, PETER D. (with Joris M. Gieskes). Chemical and isotopic composition of interstitial water from Deep Sea Drilling Project Sites 533 and 534. In: Initial Reports of the Deep Sea Drilling Project, v.76, edited by R. E. Sheridan and F. M. Gradstein, et al. Washington, D. C., U. S. Government Printing Office, 1983. pp.453-461.

JOHNSON, BILL P. (with R. Edward Lange and Eric Shulenberger). TOPBS - A towed oceanographic physical and biological sampler. In: Proceedings of the Third Working Symposium on Oceanographic Data Systems, Woods Hole Oceanographic Institution, October 4-6, 1983. Silver Spring, Maryland, IEEE Computer Society, 1983. pp.141-146.

KARATO, SHUN-ICHIRO (with Keir Becker). Physical properties of sediments from the Galapagos region and their implications for hydrothermal circulation. In: Initial Reports of the Deep Sea Drilling Project,

v.70, edited by J. Honnorez and Richard P. Von Herzen, et al. Washington, D. C., U. S. Government Printing Office, 1983. pp.355-368.

KARATO, SHUN-ICHIRO (with Keir Becker). Porosity and hydraulic properties of sediments from the Galapagos spreading center and their relation to hydrothermal circulation in the oceanic crust. Journal of Geophysical Research. v.88, no.B2, 1983. pp.1009-1017.

KASTNER, MIRIAM (with Joris M. Gieskes). Opal-A to opal-CT transformation: a kinetic study. In: Siliceous Deposits in the Pacific Region, edited by R. Siever. New York, Elsevier Scientific Publishing Co., 1983. pp.211-228.

KEIR, R. S. (with Wolfgang H. Berger). Atmospheric CO2 content in the last 120,000 years: the phosphate-extraction model. Journal of Geophysical Research, v.88, no.C10, 1983. pp.6027-6038.

KEIR, R. S. Reduction of thermohaline circulation during deglaciation: the effect on atmospheric radiocarbon and CO2. Earth and Planetary Science Letters, v.64, 1983. pp.445-456.

KENYON, KERN E. On the depth of wave influence. Journal of Physical Oceanography, v.13, no.10, 1983. pp.1968-1970.

KENYON, KERN E. Property differences in the central northeastern Pacific between April 1976 and July 1977. Journal of the Oceanographical Society of Japan, v.39, 1983. pp.73-81.

KENYON, KERN E. Sections along 35oN in the Pacific. Deep-Sea Research, Part A, v.30, no.4, 1983. pp.349-369.

KENYON, KERN E. (with David Sheres and Robert L. Bernstein). Short waves on long waves. Journal of Geophysical Research, v.88, no.C12, 1983. pp.7589-7596.

KILLINGLEY, J. S. Effects of diagenetic recrystallization on 18O/160 values of deep-sea sediments. Nature, v.301, no.5901, 1983. pp.594-597.

KILLINGLEY, J. S. (with Molly Lutcavage). Loggerhead turtle movements reconstructed from 18O and 13C profiles from commensal barnacle shells. Estuarine, Coastal and Shelf Science, v.16, 1983. pp.345-349.

KILLINGLEY, J. S. Seasonality determination by oxygen isotopic profile: a reply to Bailey et al. American Antiquity, v.48, no.2, 1983. pp.399-403.

KNOWLES, FRANCIS C. (with A. A. Benson). The biochemistry of arsenic. Trends in Biochemical Sciences, v.8, no.5, 1983. pp.178-180.

KNOWLES, FRANCIS C. (with A. A. Benson). Mode of action of a herbicide. Plant Physiology, v.71, 1983. pp.235-240.

KOIDE, MINORU (with Edward D. Goldberg). Uranium isotopes in the Greenland ice- sheet. Earth and Planetary Science Letters, v.65, 1983. pp.245-248.

KOIKE, I. (with D. G. Redalje, J. W. Ammerman and O. Holm-Hansen). High-affinity uptake of an ammonium analogue by two marine microflagellates from the oligotrophic Pacific. Marine Biology, v.74, 1983. pp.161-168.

KOOYMAN, GERALD L. (with M. A. Castellini, R. W. Davis, and R. Maue). Aerobic diving limits of immature Weddell seals. Journal of Comparative Physiology, v.151, 1983. pp.171-174.

KOOYMAN, GERALD L. How marine mammals dive. In: A Companion to Animal Physiology, edited by C. Richard Taylor, Kjell Johansen and Liana Bolis. New York, N.Y., Cambridge University Press, 1982. pp.151-160.

KOPF, GREGORY S. (with Cindy A. Lewis and Victor D. Vacquier). Methylxanthines stimulate calcium transport and inhibit cyclic nucleotide phosphodiesterases in abalone sperm. Developmental Biology, v.99, 1983. pp.115-120.

KOPF, GREGORY S. (with Cindy A. Lewis and Victor D. Vacquier). Regulation of abalone sperm cyclic AMP concentrations and the acrosome reaction by calcium and methylxanthines. Developmental Biology, v.98, 1983. pp.28-36.

KUHN, GERALD G. (with Francis P. Shepard). Importance of phreatic volcanism in producing abnormal weather conditions. Shore and Beach, v.51, no.4, 1983. pp.19-29.

LAL, D. (with Hans E. Suess). Some comments on the exchange of CO2 across the air-sea interface. Journal of Geophysical Research, v.88, no.C6, 1983. pp.3643-3646.

LATRAILLE, SHARON L. (with L. M. Dorman). A standard format for storage and exchange of natural and explosive-source seismic data: the ROSE format. Marine Geophysical Researches, v.6, 1983. pp.99-105.

LEVIN, LISA A. (with Paul Greenblatt). Bottoms up: juvenile terebellid polychaetes feeding in the water column. Southern California Academy of Sciences. Bulletin, v.80, no.3, 1981. pp.131-133.

LEVINE, EDWARD R. (with Warren B. White). Bathymetric influences upon the character of North Pacific fronts, 1976-1980. Journal of Geophysical Research, v.88, no.C14, 1983. pp.9617-9625.

LEVINE, MURRAY D. (with Roland A. De Szoeke and Pearn P. Niiler). Internal waves in the upper ocean during MILE. Journal of Physical Oceanography, v.13, no.2, 1983. pp.240-257.

LEWIN, RALPH A. Evidence for post-zygotic lag in Chlamydomonas moewusii (Chlorophyta: Volvocales). Experientia, v.39, 1983. pp.612-613.

LEWIN, RALPH A. Phycotechnology - how microbial geneticists might help. BioScience, v.33, no.3, 1983. pp.177-179.

LEWIN, RALPH A. The problems of Prochloron. Annales de Microbiologie, v.134B, 1983. pp.37-41.

LEWIS, R. S. (with Edward Anders, T. Shimamura and G. W. Lugmair). Barium isotopes in Allende meteorite: evidence against an extinct superheavy element. Science, v.222, 1983. pp.1013-1015.

LONSDALE, PETER. Sediment drifts of the northeast Atlantic and their relationship to the observed abyssal currents. Institut de Geologie du Basin d'Aquitaine. Bulletin, no.31, 1982. pp.141-149.

LUCO, J. ENRIQUE (with John G. Anderson). Steady-state response of an elastic half-space to a moving dislocation of finite width. Seismological Society of America. Bulletin, v.73, no.1, 1983. pp.1-22.

LUGMAIR, G. W. (with T. Shimimura, R. S. Lewis, and Edward Anders). Samarium-146 in the early solar system: evidence from neodymium in the Allende meteorite. Science, v.222, 1983. pp.1015-1018.

LUTHER, DOUGLAS S. (with D. E. Harrison and R. A. Knox). Zonal winds in the central equatorial Pacific and El Nino. Science, v.222, 1983. pp.327-330.

MACLEOD, I. D. (with J. S. Killingley). The use of barnacles to establish past temperatures on historic shipwrecks. International Journal of Nautical Archaeology and Underwater Exploration, v.11, no.3, 1982. pp.249-252.

MAHONEY, JOHN J. (with J. Douglas Macdougall, G. W. Lugmair and K. Gopalan). Kerguelen hotspot source for Rajmahal Traps and Ninetyeast Ridge? Nature, v.303, no.5916, 1983. pp.385-389.

MANTYLA, ARNOLD W. (with Joseph L. Reid). Abyssal characteristics of the world ocean waters. Deep-Sea Research, Part A, v.30, no.8, 1983. pp.805-833.

MASTERS, T. G. (with Freeman Gilbert). Attenuation in the Earth at low frequencies. Royal Society of London. Philosophical Transactions. Series A, v.308, 1983. pp.479-522.

MASTERS, T. G. (with J. Park and Freeman Gilbert). Observations of coupled spheroidal and toroidal modes. Journal of Geophysical Research, v.88, no.B12, 1983. pp.10,285-10,298.

MILES, JOHN W. Solitary wave evolution over a gradual slope with turbulent friction. Journal of Physical Oceanography, v.13, no.3, 1983. pp.551-553.

MILES, JOHN W. Surface-wave diffraction by a periodic row of submerged ducts. Journal of Fluid Mechanics, v.128, 1983. pp.155-180.

MILES, JOHN W. Surface-wave interaction with a deeply submerged circular duct. Australian Mathematical Society. Journal. Series B. Applied Mathematics, v.25, 1983. pp.84-93.

MILES, JOHN W. Wave evolution over a gradual slope with turbulent friction. Journal of Fluid Mechanics, v.133, 1983. pp.207-216.

MOY, GARY W. (with Gregory S. Kopf, Christian Gache and Victor D. Vacquier). Calcium-mediated release of glucanase activity from cortical granules of sea urchin eggs. Developmental Biology, v.100, 1983. pp.267-274.

MULLIN, MICHAEL M. How can enclosing seawater liberate biological oceanographers? In: Marine Mesocosms, edited by Michael R. Reeve, New york, N.Y., Springer-Verlag, 1982. pp.399-410.

MULLIN, MICHAEL M. In situ measurement of filtering rates of the salp, Thalia democratica, on phytoplankton and bacteria. Journal of Plankton Research, v.5, no.2, 1983. pp.279-288.

MULLIN, MICHAEL M. (with William T. Williams). Spatial-temporal scales of zooplanktonic assemblages in three areas of the North Pacific - further analysis. Deep-Sea Research, Part A, v.30, no.5, 1983. pp.569-574.

MUNK, WALTER H. Acoustics and ocean dynamics. In: Oceanography - The Present and Future, edited by Peter G. Brewer. New York, N.Y., Springer-Verlag, 1983. pp.109-125.

MUNK, WALTER H. (with Carl Wunsch). Ocean acoustic tomography: rays and modes. Reviews of Geophysics and Space Physics, v.21, no.4, 1983. pp.777-793.

MUNK, WALTER H. (with Carl Wunsch). Up-down resolution in ocean acoustic tomography. Deep-Sea Research, Part A, v.29, no.12, 1982. pp.1415-1436.

NAKATSU, TETSUO (with Roger P. Walker, Janice E. Thompson and D. John Faulkner). Biologically-active sterol sulfates from the marine sponge Toxadocia zumi. Experientia, v.39, 1983. pp.759-761.

NAMIAS, JEROME. The history of polar front and air mass concepts in the United States - an eyewitness account. American Meteorological Society. Bulletin, v.64, no.7, 1983. pp.734-755.

NAMIAS, JEROME. Some causes of United States drought. Journal of Climate and Applied Meteorology, v.22, no.1, 1983. pp.30-39.

NATLAND, JAMES H. (with A. C. Adamson, C. Laverne, William G. Melson and Timothy O'Hearn). A compositionally nearly steady-state magma chamber at the Costa Rica Rift: evidence from basalt glass and mineral data, Deep Sea Drilling Sites 501, 504, and 505. In: Initial Reports of the Deep Sea Drilling Project, v.69, edited by J. R. Cann, M. G. Langseth, J. Honnorez, R. P. Von Herzen and S. M. White. Washington, D.C., U.S. Government Printing Office, 1983. pp.811-858.

NAVA, A. (with James N. Brune). Source mechanism and surface wave excitation for two earthquakes in northern Baja California, Mexico. Geophysical Journal, v.73, 1983. pp.739-763.

NEWMAN, S. (with R. C. Finkel and J. Douglas Macdougall). 230Th-238U disequilibrium systematics in oceanic tholeites from 21 N on the East Pacific Rise. Earth and Planetary Science Letters, v.65, 1983. pp.17-33.

NEWMAN, WILLIAM A. (with Steven M. Stanley). Competition wins out overall: reply to Paine, Paleobiology, v.7, no.4, 1981. pp.561-569.

NEWMAN, WILLIAM A. A review of extant taxa of the "Group of Balanus concavus" (Cirripedia, Thoracica) and a proposal for genus-group ranks. Crustaceana, v.43, no.1, 1982. pp.25-36.

OKUDA, ROY K. (with Paul J. Scheuer, Jill E. Hochlowski, Roger P. Walker and D. John Faulkner). Sesquiterpenoid constituents of eight porostome nudibranchs. Journal of Organic Chemistry, v.48, 1983. pp.1866-1869.

PAWKA, STEVEN S. (with Douglas L. Inman and Robert T. Guza). Radiation stress estimators. Journal of Physical Oceanography, v.13, no.9, 1983. pp.1698-1708.

PINKEL, ROBERT. Doppler sonar observations of internal waves: wave-field structure. Journal of Physical Oceanography, v.13, no.5, 1983. pp.804-815.

PLASSMANN, WOLFGANG. Sensory modality interdependence in the octaval system of an elasmobranch. Experimental Brain Research, v.50, 1983. pp.283-292.

POLHEMUS, JOHN T. (with Lanna Cheng). Notes on marine water-striders with descriptions of new species. Part I. Gerridae (Hemiptera). Pacific Insects, v.24, no.3-4, 1982. pp.219-227.

POORE, RICHARD Z. (with David Bukry). Eocene to Miocene calcareous plankton from the Santa Cruz Mountains and northern Santa Lucia Range, California. In: Studies in Tertiary Stratigraphy, California Coast Ranges, edited by Earl E. Brabb. Washington, D.C., U.S. Government Printing Office, 1983, pp.49-67.

POWELL, MARK A. (with George N. Somero). Blood components prevent sulfide poisoning of respiration of the hydrothermal vent tube worm Riftia pachyptila. Science, v.219, 1983. pp.297-299.

PREISENDORFER, RUDOLPH W. (with Tim P. Barnett). Numerical model-reality intercomparison tests using small-sample statistics. Journal of the Atmospheric Sciences, v.40, no.8, 1983. pp.1884-1896.

REDALJE, D. G. (with E. A. Laws). The effects of environmental factors on growth and the chemical and biochemical composition of marine diatoms. I. Light and temperature effects. Journal of Experimental Marine Biology and Ecology, v.68, 1983, pp.59-79.

REDALJE, D. G. Phytoplankton carbon biomass and specific growth rates determined with the labeled chlorophyll a technique. Marine Ecology - Progress Series, v.11, 1983. pp.217-225.

REID, FREDA M. H. Biomass estimation of components of the marine nanoplankton and picoplankton by the Utermohl settling technique. Journal of Plankton Research, v.5, no.2, 1983. pp.235-252.

REID, JOSEPH L. On the use of dissolved oxygen concentration as an indicator of winter convection. Naval Research Reviews, v.24, no.3, 1982. pp.28-39.

RIEDESEL, MARK A. (with John A. Orcutt, Kenneth C. Macdonald and James S. McClain). Microearthquakes in the black smoker hydrothermal field, East Pacific Rise at 21 N. Journal of Geophysical Research, v.87, no.B13, 1982. pp.10,613-10,623.

RIEMANN, BO (with J. A. Fuhrman and Farooq Azam). Bacterial secondary production in freshwater measured by 3 H-thymidine incorporation method. Microbial Ecology, v.8, 1982. pp.101-114.

RISON, W. (with Harmon Craig). Helium isotopes and mantle volatiles in Loihi Seamount and Hawaiian Island basalts and xenoliths. Earth and Planetary Science Letters, v.66, 1983. pp.407-426.

RULLKOTTER, JURGEN (with Vassil Vuchev, Karl Hinz, E. L. Winterer, Peter O. Baumgartner, Martin J. Bradshaw, James E. T. Channell, Michel Jaffrezo, Lubomir F. Jansa, Robert M. Leckie, J. M. Moore, Carl Schaftenaar, Torsten H. Steiger and George E. Wiegand). Potential deep-sea petroleum source beds related to coastal upwelling. In: Coastal Upwelling, Part B, edited by Jorn Thiede and Erwin Suess. New York, N.Y., Plenum Publishing Corporation, 1983. pp.467-483.

SAIDEL, WILLIAM M. (with Jerome Y. Lettvin and Edward F. MacNichol, Jr.). Processing of polarized light by squid photoreceptors. Nature, v.304, no.5926, 1983. pp.534-536.

SALMON, RICK. Practical use of Hamilton's principle. Journal of Fluid Mechanics, v.132, 1983. pp.431-444.

SCHWEITZER, JEFF. The physiological and anatomical localization of two electroreceptive diencephalic nuclei in the thornback ray, Platyrhinoidis triseriata. Journal of Comparative Physiology, v.153, 1983. pp.331-341.

SEARLE, R. C. (with R. N. Hey). Gloria observations of the propagation rift at 95.5 W on the Cocos-Nazca spreading center. Journal of Geophysical Research, v.88, no.B8, 1983. pp.6433-6447.

SEYMOUR, RICHARD J. The Nearshore Sediment Transport Study. Journal of Waterway, Port, Coastal and Ocean Engineering, v.109, no.1, 1983. pp.79-85.

SHEPARD, FRANCIS P. (with Gerald G. Kuhn). History of sea arches and remnant stacks of La Jolla, California, and their bearing on similar features elsewhere. Marine Geology, v.51, 1983. pp.139-161.

SHEPARD, FRANCIS P. North America, coastal morphology. In: The Encyclopedia of Beaches and Coastal Environments. Encyclopedia of Earth Sciences Series, v.15, edited by Maurice L. Schwartz. Stroudsburg, Penn., Hutchinson Ross Publishing Co., 1982. pp.593-602.

SILVER, PAUL G. (with Thomas H. Jordan). Optimal estimation of scalar seismic moment. Geophysical Journal, v.70, 1982. pp.755-787.

SIMPSON, JAMES J. Large-scale thermal anomalies in the California Current during the 1982-1983 El Nino. Geophysical Research Letters, v.10, no.10, 1983. pp.937-940.

SINGH, S. K. (with R. J. Apsel, J. Fried and James N. Brune). Spectral attenuation of SH waves along the Imperial fault. Seismological Society of America. Bulletin, v.72, no.6, 1982. pp.2003-2016.

SMITH, RAYMOND C. (with Karen S. Baker). Satellites for the study of ocean primary productivity. Advances in Space Research, v.3, no.9, 1982. pp.123-133.

SOMERO, GEORGE N. (with Joseph F. Siebenaller and Peter W. Hochachka). Biochemical and physiological adaptions of deep-sea animals. In: The Sea, v.8, edited by G. T. Rowe. New York, N.Y., John Wiley and Sons, Inc., 1983. pp.261-330.

SPIESBERGER, JOHN L. (with Peter F. Worcester). Perturbations in travel time and ray geometry due to mesoscale disturbances: a comparison of exact and approximate calculations. Acoustical Society of America. Journal, v.74, no.1, 1983. pp.219-225.

STEWART, JOAN G. Fluctuations in the quantity of sediments trapped among algal thalli on intertidal rock platforms in southern California. Journal of Experimental Marine Biology and Ecology, v.73, 1983. pp.205-211.

STILLINGER, D. C. (with K. N. Helland and C. W. Van Atta). Experiments on the transition of homogeneous turbulence to internal waves in a stratified fluid. Journal of Fluid Mechanics, v.131, 1983. pp.91-122.

SULLIVAN, BRIAN (with D. John Faulkner and Leith Webb). Siphonodictidine, a metabolite of the burrowing sponge Siphonodictyon sp. that inhibits coral growth. Science, v.221, 1983. pp.1175-1176.

SWIFT, JAMES H. (with Taro Takahashi and Hugh D. Livingston). The contribution of the Greenland and Barents seas to the deep water of the Arctic Ocean. Journal of Geophysical Research, v.88, no.C10, 1983. pp.5981-5986.

TAKAHASHI, K. (with David C. Hurd and Susumu Honjo). Phaeodarian skeletons: their role in silica transport to the deep sea. Science, v.222, 1983. pp.616-618.

TEGNER, MIA J. (with Lisa A. Levin). Spiny lobsters and sea urchins: analysis of a predator-prey interaction. Journal of Experimental Marine Biology and Ecology, v.73, 1983. pp.125-150.

THIERSTEIN, HANS R. Trends and events in Mesozoic oceans. In: Proceedings of the Joint Oceanographic Assembly, 1982 - General Symposia. Ottawa, Ontario, Canadian National Committee for the Scientific Committee on Oceanic Research (CNC/SCOR). by the Department of Fisheries and Oceans, Scientific Information and Publication Branch, 1983. pp.127-130.

THORNTON, EDWARD B. (with Robert T. Guza). Transformation of wave height distribution. Journal of Geophysical Research, v.88, no.C10, 1983. pp.5925-5938.

TONG, SHANG-LIANG (with T. E. Finger). Central organization of the electrosensory lateral line system in bullhead catfish Icalurus nebulosus. The Journal of Comparative Neurology, v.217, 1983. pp.1-16.

TUGREL, SULEYMAN (with Turgut I. Balkas and Edward D. Goldberg). Methyltins in the marine environment. Marine Pollution Bulletin, v.14, no.8, 1983. pp.297-303.

TYCE, ROBERT C. Depth dependence of directionality of ambient noise in the North Pacific: experimental data and equipment design. In: Underwater Ambient Noise. Proceedings of a Conference held at SACLANT ASW Research Centre, 1982. pp.9-1- 9-16.

VACQUIER, VICTOR D. Purification of sea urchin sperm bindin by DEAE-cellulose chromatography. Analytical Biochemistry, v.129, 1983. pp.497-501.

VALLIS, GEOFFREY K. On the predictability of quasi-geostrophic flow: the effects of beta and baroclinicity. Journal of the Atmospheric Sciences, v.40, no.1, 1983. pp.10-27.

VAN FLEET, EDWARD S. (with P. M. Williams). Surface potential and film pressure measurements in seawater systems. Limnology and Oceanography, v.28, no.3, 1983. pp.401-414.

VENRICK, ELIZABETH L. Percent similarity: the prediction of bias. Fishery Bulletin, v.81, no.2, 1983. pp.375-387.

VOLCANI, BENJAMIN E. Aspects of silicification in biological systems. In: Biomineralization and Biological Metal Accumulation, edited by P. Westbroek and E. W. de Jong. Boston, Mass., D. Reidel Publishing Co., 1983. pp.389-405.

VON HERZEN, RICHARD P. (with T. J. G. Francis and Keir Becker). In situ large- scale electrical resistivity of ocean crust, hole 504B. In: Initial Reports of the Deep Sea Drilling Project, v.69, edited by J. R. Cann, M. G. Langseth, J. Honnorez, R. P. Von Herzen and S. M. White. Washington, D.C., U.S. Government Printing Office, 1983. pp.237-244.

WARD, GARY E. (with Victor D. Vacquier). Dephosphorylation of a major sperm membrane protein is induced by egg jelly during sea urchin fertilization. National Academy of Sciences, Washington, D.C., Proceedings, v.80, 1983. pp.5578-5582.

WARD, GARY E. (with Victor D. Vacquier and Serge Michel). The increased phosphorylation of ribosomal protein S6 in Arbacia punctulata is not a universal event in the activation of sea urchin eggs. Developmental Biology, v.95, 1983. pp.360-371.

WATSON, KENNETH. Relaxation processes for internal waves in mesoscale flow. National Academy of Sciences, Washington, D.C., Proceedings, v.80, 1983. pp.1144-1146.

WEISS, RAY F. (with R. A. Jahnke and Charles D. Keeling). Seasonal effects of temperature and salinity on the partial pressure of CO2 in seawater. Nature, v.300, no.5892, 1982. pp.511-513.

WHITE, F. N. Reassessing acid-based balance in hypothermia - a comparative point of view. The Western Journal of Medicine, v.138, no.2, 1983. pp.255-257.

WHITE, WARREN B. (with J. F. T. Saur). Sources on interannual baroclinic waves in the eastern subtropical North Pacific. Journal of Physical Oceanography, v.13, no.3, 1983. pp.531-544.

WHITE, WARREN B. Westward propagation of short-term climatic anomalies in the western North Pacific Ocean from 1964-1974. Journal of Marine Research, v.41, 1983. p.113-125.

WILSON, GEORGE D. Two new natatory asellote isopods (Crustacea). from the San Juan Archipelago, Baeonectes improvisus n. gen., n. sp., and Acanthamunnopsis milleri n. sp., with a revised description of A. hystrix Schultz. Canadian Journal of Zoology, v.60, no.12, 1982. pp.3332-3343.

WILSON, GEORGE D. An unusual species complex in the genus Eurycope (Crustacea: Isopoda: Asellota). from the deep North Atlantic Ocean. Proceedings of the Biological Society of Washington, v.96, no.3, 1983. p.452-467.

WILSON, GEORGE D. Variation in the deep-sea isopod Eurycope iphthima (Asellota, Eurycopoidae): depth related clines in rostral morphology and in population structure. Journal of Crustacean Biology, v.3, no.1, 1983. pp.127-140.

ZHU, B-Q (with C-X Mao, G. W. Lugmair and J. Douglas Macdougall). Isotopic and geochemical evidence fvor the origin of Plio-Pleistocene volcanic rocks near the Indo-Eurasian collisional margin at Tengchong, China. Earth and Planetary Science Letters, v.65, 1983. pp.263-275.

ABARBANEL, H. D. I. (with D. D. Holm, J. E. Marsden, and T. Ratiu). Richardson number criterion for the nonlinear stability of three-dimensional stratified flow. Physical Review Letters, v.52, no.26, 1984. pp.2352-2355

ALINE, ROBERT F., JR. (with Christopher D. Reeves, Andrew F. Russo, and Benjamin E. Volcani). Role of silicon in diatom metabolism: cyclic nucleotide levels, nucleotide cyclase, and phosphodiesterase activities during synchronized growth of Cylindrotheca fusiformis. Plant Physiology, v.76, 1984. pp.674-679

AMMERMAN, JAMES W. (with J. A. Fuhrman, A. Hagstrom, and Farooq Azam). Bacterioplankton growth in seawater: I. Growth kinetics and cellular characteristics in seawater cultures. Marine Ecology-Progress Series, v.18, 1984. pp.31-39

ANDERSON, JOHN G. The 4 September 1981 Santa Barbara Island, California, earthquake: interpretation of strong motion data. Seismological Society of America. Bulletin, v.74, no.3, 1984. pp.995-1010

ANDERSON, JOHN G. (with Sue Hough). A model for the shape of the Fourier amplitude spectrum of acceleration at high frequencies. Seismological Society of America. Bulletin, v.74, no.5, 1984. pp.1969-1993

ANDERSON, VICTOR C. (with Ronald C. Horn). Remote underwater manipulator (RUM III). SAE Technical Paper Series, no.841012. Warrendale, PA., Society of Automotive Engineers, 1984. pp.1-7

ARMI, LAURENCE (with Walter Zenk). Large lenses of highly saline Mediterranean water. Journal of Physical Oceanography, v.14, no.10, 1984. pp.1560-1576

AUSTIN, ROSWELL W. (with T. J. Petzold). Spectral dependence of the diffuse attenuation coefficient of light in ocean waters. In: Ocean Optics VII, Proceedings of SPIE - The International Society for Optical Engineering, v.489. Bellingham, WA., Society of Photo- Optical Instrumentation Engineers, 1984. pp.168-178

AZAM, FAROOQ (with J. W. Ammerman). Cycling of organic matter by bacterioplankton in pelagic marine ecosystems: microenvironmental considerations. In: Flows of Energy and Materials in Marine Ecosystems, edited by M. J. R. Fashan. New York, Plenum Publishing Corp., 1984. pp.345-360

AZAM, FAROOQ (with J. A. Fuhrman). Measurement of bacterioplankton growth in the sea and its regulation by environmental conditions. In: Heterotrophic Activity in the Sea, edited by John E. Hobbie and Peter J. LeB. Williams. New York, Plenum Publishing Corp., 1984. pp.179-196

AZAM, FAROOQ (with J. W. Ammerman). Mechanisms of organic matter utilization by marine bacterioplankton. In: Marine Phytoplankton and Productivity, edited by O. Holm-Hansen, L. Bolis, and R. Gilles. Berlin, Springer-Verlag, 1984. pp.45-54

BALCH, W. M. (with Francis T. Haxo). Spectral properties of Noctiluca miliaris Suriray, a heterotrophic dinoflagellate. Journal of Plankton Research, v.6, no.3, 1984. pp.515-525

BARNETT, TIM P. Correction to "Long-term changes in dynamic height". Journal of Geophysical Research, v.88, no.C14, 1983. pp.9547-9552.

BARNETT, TIM P. The estimation of "global" sea level change: a problem of uniqueness. Journal of Geophysical Research, v.89, no.C5, 1984. pp.7980-7988

BARNETT, TIM P. Long-term changes in dynamic height. Journal of Geophysical Research, v.88, no.C14, 1983. pp.9547-9552

BARNETT, TIM P. Long-term trends in surface temperature over the oceans. Monthly Weather Review, v.112, no.2, 1984. pp.303-312

BARNETT, TIM P. Prediction of the El Nino of 1982-83. Monthly Weather Review, v.112, no.7, 1984. pp.1403-1407

BARNETT, TIM P. Statistical prediction of seasonal air temperature over Eurasia. Tellus, v.36A, 1984. pp.132-146

BARRON, JOHN A. (with David Bukry and Richard Z. Poore). Correlation of the middle Eocene Kellogg Shale of northern California. Micropaleontology, v.30, no.2, 1984. pp.138-170

BATIZA, RODEY (with Daniel J. Fornari, David A. Vanko, and Peter Lonsdale). Craters, calderas, and hyaloclastites on young Pacific seamounts. Journal of Geophysical Research, v.89, no.B10, 1984. pp.8371-8390

BECKER, KEIR (with M. G. Langseth and R. D. Hyndman). Temperature measurements in Hole 395A, Leg 78B. In: Initial Reports of the Deep Sea Drilling Project, v.78, edited by B. Biju-Duval, J. C. Moore, et al. Washington, D.C., U.S. Government Printing Office, 1984. pp.689-698

BENTOR, Y. K. Combustion-metamorphic glasses. Journal of Non-Crystalline Solids, v.67, 1984. pp.433-448

BERGER, JON (with L. M. Baker, James Brune, J. B. Fletcher, Thomas Hanks, and Frank Vernon, III). The Anza array: a high-dynamic-range, broadband, digitally radiotelemetered seismic array. Seismological Society of America. Bulletin, v.74, no.4, 1984. pp.1469-1481

BERGER, JON (with R. G. North, R. C. Goff, and M. A. Tiberio). A seismological data base management system. Seismological Society of America. Bulletin, v.74, no.5, 1984. pp.1849-1862

BERGER, WOLFGANG, H. (With R. S. Keir). Glacial-Holocene changes in atmospheric CO2 and the deep-sea record. In: Climate Processes and Climate Sensitivity, Geophysical Monograph 29, Maurice Ewing Series v.5, edited by Maurice Ewing. Washington, D.C., American Geophysical Union, 1984. pp.337-351

BERGER, WOLFGANG, H. (with H. Fuchtbauer, H. D. Holland, W. T. Holser, W. J. Jenkins, H. G. Kulke, A. C. Lasaga, M. Sarnthein, A. Seilacher, I. Valeton, O. H. Walliser, and G. Wefer). Short-term changes affecting atmosphere, oceans, and sediments during the Phanerozoic. In: Patterns of Change in Earth Evolution, edited by H. D. Holland and A. F. Trendall. Berlin, Springer-Verlag, 1984. pp.171-205

BERNSTEIN, ROBERT L. A Satellite sea surface temperature determination from microwave and infrared radiometry. In: Large-Scale Oceanographic Experiments and Satellites, edited by C. Gautier and M. Fieux. Dordrecht, Netherlands, D. Reidel Publishing Co., 1984. pp.87-98

BLOOMER, SHERMAN H. (with James W. Hawkins, Jr.). Gabbroic and ultramafic rocks from the Mariana Trench: an island arc ophiolite. In: The Tectonic and Geologic Evolution of Southeast Asian Seas and Islands, Part 2, Geophysical Monograph 27, edited by Dennis E. Hayes. Washington, D.C., American Geophysical Union, 1983. pp.294-317

BRADNER, HUGH (with Grant Blackinton). Long base line measurements of light transmission in clear water. Applied Optics, v.23, 1984. pp.1009-1012

BRALOWER, T. J. (with H. R. Thierstein). Low productivity and slow deep-water circulation in mid-Cretaceous oceans. Geology, v.12, 1984. pp.614-618

BREWER, P. G. (with Wallace S. Broecker, W. J. Jenkins, P. B. Rhines, C. G. Rooth, James H. Swift, Taro Takahashi, and Robert T. Williams). A climatic freshening of the deep Atlantic north of 50 N over the past 20 years. Science, v.222, 1983. pp.1237-1239

BRINTON, EDWARD (with A. W. Townsend). Regional relationships between development and growth in larvae of Antarctic krill, Euphausia superba, from field samples. Journal of Crustacean Biology, v.4(Spec. no.1), 1984. pp.224-246

BRINTON, EDWARD (with Tarsicio Antezana). Structures of swarming and dispersed populations of krill (Euphausia superba) in Scotia Sea and South Shetland waters during January-March 1981, determined by bongo nets. Journal of Crustacean Biology, v.4(Special No.1), 1984. pp.45-66

BUKRY, DAVID. Paleogene paleoceanography of the Arctic Ocean is constrained by the middle or late Eocene age of USGS Core Fl-422: evidence from silicoflagellates. Geology, v.12, 1984. pp.199-201

BULLOCK, THEODORE HOLMES. Comparative neuroethology of startle, rapid escape, and giant fiber-mediated responses. In: Neural Mechanisms of Startle Behavior, edited by Robert C. Eaton. New York, Plenum Publishing Corp., 1984. pp.1-13

BULLOCK, THEODORE HOLMES. Comparative neuroscience holds promise for quiet revolutions. Science, v.225, 1984. pp.473-478

BULLOCK, THEODORE HOLMES (with Jean K. Moore and R. Douglas Fields). Evolution of myelin sheaths: both lamprey and hagfish lack myelin. Neuroscience Letters, v.48, 1984. pp.145-148

BULLOCK, THEODORE HOLMES. A framework for considering basic levels of neural integration. In: Cortical Integration, edited by F. Reinoso-Suarez and C. Ajmone- Marsan. New York, Raven Press, 1984. pp.27-36

BULLOCK, THEODORE HOLMES The future of comparative neurology. American Zoologists, v.24, 1984. pp.693-700

BULLOCK, THEODORE HOLMES. (with R. Glenn Northcutt). Nervus terminalis in dogfish (Squalus acanthias, Elasmobranchii). carries tonic efferent impulses. Neuroscience Letters, v.44, 1984. pp.155-160

BULLOCK, THEODORE HOLMES. Ongoing compound field potentials from octopus brain are labile and vertebrate-like. Electroencephalography and Clinical Neurophysiology, v.57, 1984. pp.473-483

BULLOCK, THEODORE HOLMES. Physiology of the tectum mesencephali in elasmobranchs. In: Comparative Neurology of the Optic Tectum, edited by Horacio Vanegas. New York, Plenum Publishing Corp., 1984. pp.47-68

BULLOCK, THEODORE HOLMES. Understanding brains by comparing taxa. Perspectives in Biology and Medicine, v.27, no.4, 1984. pp.510-524

BULLOCK, THEODORE HOLMES. Why study fish brains? Some aims of comparative neurology today. In: Fish Neurobiology, v.2., edited by W. S. Hoar and D. J. Randall. Ann Arbor, University of Michigan Press, 1983. pp.361-368

BURNETT, BRYAN R. (with Kenneth H. Nealson). Energy dispersive X-ray analysis of the surface of a deep-sea ferromanganese nodule. Marine Geology, v.53, 1983. pp.313-329

CAPON, ROBERT J. (with D. John Faulkner). Antimicrobial metabolites from a Pacific sponge, Agelas sp. American Chemical Society. Journal, v.106, 1984. pp.1819-1822

CAPON, ROBERT J. (with D. John Faulkner). Metabolites of the pulmonate Siphonaria lessoni. Journal of Organic Chemistry, v.49, 1984. pp.2506-2508

CARLUCCI, A. F. (with D. B. Craven and S. M. Henrichs). Diel production and microheterotrophic utilization of dissolved free amino acids in waters off southern California. Applied and Environmental Microbiology, v.48, no.1, 1984. pp.165-170

CARNEVALE, G. F. (with Geoffrey K. Vallis). Applications of entropy to predictability theory. In: Predictability of Fluid Motions, AIP Conference Proceedings, no.106, edited by Greg Holloway and Bruce J. West. New York, American Institute of Physics, 1984. pp.577-599

CECH, JOSEPH J., Jr. (with R. Michael Laurs and Jeffrey B. Graham). Temperature- induced changes in blood gas equilibria in the albacore, Thunnus alalunga, a warm-bodied tuna. Journal of Experimental Biology, v.109, 1984. pp.21-34

CHAVE, ALAN D. The Frechet derivatives of electromagnetic induction. Journal of Geophysical Research, v.89, no.B5, 1984. pp.3373-3380

CHENG, LANNA (with M. Schulz-Baldes and C. S. Harrison). Cadmium in ocean-skaters, Halobates sericeus (Insecta), and in their seabird predators. Marine Biology, v.79, 1984. pp.321-324

CHENG, LANNA (with Ralph A. Lewin). Prochloron on Synaptula. Bulletin of Marine Science, v.35, no.1, 1984. pp.95-98

COMITA, P. B. (with R. B. Gagosian and P. M. Williams). Suspended particulate organic material from hydrothermal vent waters at 21 N. Nature, v.307, no.5950, 1984. pp.450-453

COSTA, DANIEL P. (with Gerald L. Kooyman). Contribution of specific dynamic action to heat balance and thermoregulation in the sea otter Enhydra lutris. Physiological Zoology, v.57, no.2, 1984. pp.199-203

CRISPINO, LUIS (with Theodore Holmes Bullock). Cerebellum mediates modality- specific modulation of sensory responses of midbrain and forebrain in rat. National Academy of Sciences of the United States of America. Proceedings, v.81, 1984. pp.2917-2920

DASHEN, ROGER (with Walter H. Munk). Three models of global ocean noise. Acoustical Society of America. Journal, v.76, no.2, 1984. pp.540-554

DAYTON, PAUL K. (with Mia J. Tegner). Catastrophic storms, El Nino, and patch stability in a southern California kelp community. Science, v.224, 1984. pp.283-285

- DAYTON, PAUL K. (with Mia J. Tegner). The importance of scale in community ecology: a kelp forest example with terrestrial analogs. In: A New Ecology: Novel Approaches to Interactive Systems, edited by Peter W. Price, C. N. Slobodehikoff, and William S. Gaud. New York, John Wiley & Sons, Inc., 1984. pp.457-481
- DAYTON, PAUL K. (with Vickie Currie, Tim Gerrodette, Brian D. Keller, Rick Rosenthal, and David Ven Tresca). Patch dynamics and stability of some California kelp communities. Ecological Monographs, v.54, no.3, 1984. pp.253-289
- DAYTON, PAUL K. Processes structuring some marine communities: are they general? In: Ecological communities: Conceptual Issues and the Evidence, edited by Donald R. Strong, Jr., Daniel Simberloff, Lawrence G. Abele, and Anne B. Thistle. Princeton, Princeton University Press, 1984. pp.181-197
- DICK, H. J. B. (with Robert L. Fisher). Mineralogic studies of the residues of mantle melting: abyssal and alpine-type peridotites. In: Kimberlites. II: The Mantle and Crust-Mantle Relationships, edited by J. Kornprobst. Amsterdam, Elsevier Science Publishers B.V., 1984. pp.295-308
- DICK, H. J. B. (with Robert L. Fisher and Wilfred B. Bryan). Mineralogic variability of the uppermost mantle along mid-ocean ridges. Earth and Planetary Science Letters, v.69, 1984. pp.88-106
- DRABEK, C. M. (with G. L. Kooyman). Histological development of the terminal airways in pinniped and sea otter lungs. Canadian Journal of Zoology, v.62, 1984. pp.92-96
- ELGAR, STEVE (with Robert T. Guza and Richard J. Seymour). Groups of waves in shallow water. Journal of Geophysical Research, v.89, no.C3, 1984. pp.3623-3634
- ENGEL, A. E. J. (with P. A. Schultejann). Late Mesozoic and Cenozoic tectonic history of south central California. Tectonics, v.3, no.6, 1984. pp.659-675
- EPPLEY, RICHARD W. (with Freda M. H. Reid and Elisabeth Stewart). Length of phytoplankton species patches on the Southern California Shelf. Continental Shelf Research, v.3, no.3, 1984. pp.259-266
- EPPLEY, RICHARD W. Recent studies of the ocean nitrogen cycle. In: The Interaction of Global Biochemical Cycles. JPL-PUB-84-21, edited by B. Moore III and M. N. Dastoor. Pasadena, CA., Jet Propulsion Laboratory, California Institute of Technology, 1984. pp.219-228
- EPPLEY, RICHARD W. (with Freda M. H. Reid, J. J. Cullen, Clinton D. Winant, and Elisabeth Stewart). Subsurface patch of a dinoflagellate (Ceratium tripos). off Southern California: patch length, growth rate, associated vertically migrating species. Marine Biology, v.80, 1984. pp.207-214
- EVANS, C. A. (with James W. Hawkins, Jr. and Gregory F. Moore). Petrology and geochemistry of ophiolitic and associated volcanic rocks on the Talaud Islands, Molucca Sea collision zone, northeast Indonesia. In: Geodynamics of the Western Pacific-Indonesian Region. Geodynamics Series, v.11, edited by Thomas W. C. Hilde and Seiya Uyeda. Washington, D.C., American Geophysical Union, 1983. pp.159-172

EVANS, K. (with Frank Wyatt). Water table effects on the measurement of earth strain. Tectonophysics, v.108, 1984. pp.323-337

FAULKNER, D. JOHN Marine natural products: metabolities of marine algae and herbivorous marine molluscs. Natural Product Reports, v.1, no.3, 1984. pp.251- 297

FILLOUX, JEAN H. Semidiurnal amphidrome of the North East Pacific: where? Marine Geophysical Researches, v.7, 1984. pp.247-266

FISHER, FREDERICK H. Sound absorption in aqueous mixtures of MgSO4-HCl and MgSO4-H2SO4. Journal of Physical Chemistry, v.87, 1983. pp.4881-4885

FLETCHER, J. B. (with Frank Vernon III, Linda Haar, Jon Berger, Thomas Hanks, and James Brune). Seismicity and source parameters from the digital array at Anza, CA. In: Proceedings of the 8th World Conference on Earthquake Engineering, held in San Francisco, California, July 21-28, 1984. Englewood Cliffs, N.J., Prentice-Hall, Inc., 1984. pp.215-221

FLICK, REINHARD E. (with B. Walton Waldorf). Performance documentation of the Longard Tube at Del Mar, California 1980-1983. Coastal Engineering, v.8, 1984. pp.199-217

FREILICH, M. H. (with Robert T. Guza). Nonlinear effects on shoaling surface gravity waves. Royal Society of London. Philosophical Transactions. Series A., v.311, 1984. pp.1-41

GOLDBERG, EDWARD D. Cadmium and the oceans. Marine Pollution Bulletin, v.15, no.5, 1984. pp.163-164

GOLDBERG, EDWARD D. Comparative environmental chemistries of metals and metalloids. Marine Pollution Bulletin, v.15, no.8, 1984. pp.281-284

GOODMAN, DANIEL (with Richard W. Eppley and Freda M. H. Reid). Summer phytoplankton assemblages and their environmental correlates in the Southern California Bight. Journal of Marine Research, v.42, 1984. pp.1019-1049

GORDON, JACQUELINE I. (with Richard W. Johnson). Equilibrium radiance model applications and comparisons to atmospheric measurements and Rayleigh models. Applied Optics, v.23, 1984. pp.3363-3372

GORDON, JACQUELINE I. (with Richard W. Johnson). Equilibrium-reflectance model for clear or cloudy atmosphere. Optical Society of America. Journal. Part A, Optics and Image Science, v.1, 1984. pp.860-868

GOTTFRIED, M. D. (with P. S. Doyle and William R. Riedel). Advances in ichthyolith stratigraphy of the Pacific Neogene and Oligocene. Micropaleontology, v.30, no.1, 1984. pp.71-85

GRAHAM, JEFFREY, B. (with Troy A. Baird). The transition to air breathing in fishes III. Effects of body size and aquatic hypoxia on the aerial gas exchange of the swamp eel Synbranchus marmoratus. Journal of Experimental Biology, v.108, 1984. pp.357-375

GRAVES, JOHN E. (with Richard H. Rosenblatt and George N. Somero). Kinetic and electrophoretic differentiation of lactate dehydrogenases of teleost species- pairs from the Atlantic and Pacific coasts of Panama. Evolution, v.37, no.1, 1983. pp.30-37

GRUBER, DENNIS (with Elbert H. Ahlstrom, and Michael M. Mullin). Distribution of ichthyoplankton in the Southern California Bight. California Cooperative Oceanic Fisheries Investigations. Reports, v.23, 1982. pp.172-179

GRYGIER, MARK J. (with David B. Fratt). The ascothoracid crustacean Ascothorax gigas: redescription, larval development, and notes on its infestation of the Antarctic ophiuroid Ophionotus victoriae. In: Biology of the Antarctic Seas XVI, Antarctic Research Series, v.41, Paper 2, 1984. pp.43-58

GRYGIER, MARK J. Ascothoracida (Crustacea: Maxillopoda). parasitic on Chrysogorgia (Gorgonacea) in the Pacific and western Atlantic. Bulletin of Marine Science, v.34, no.1, 1984. pp.141-169

GRYGIER, MARK J. (with Mariana B. Salvat). Dendrogaster argentinensis, new species, a South American sea-star parasite (Crustacea: Ascothoracida). Biological Society of Washington. Proceedings, v.97, no.1, 1984. pp.43-48

HAGSTROM, A. (with J. W. Ammerman, S. Henrichs, and Farooq Azam). Bacterioplankton growth in seawater: II. Organic matter utilization during steady-state growth in seawater cultures. Marine Ecology-Progress Series, v.18, 1984. pp.41-48

HAMMEL, H. T. Solution solvent couples solute molecules and enhances their internal tension. Physics and Chemistry of Liquids, v.13, 1984. pp.255-268

HANSEN, LARRY J. (with William F. Perrin, Anatoli S. Sokolov, and James G. Mead). A list of American and Soviet institutions possessing collections of osteological specimens from pinnipeds and sea otters. In: Soviet-American Cooperative Research on Marine Mammals. Volume 1- Pinnipeds, NOAA Technical Report NMFS 12, edited by Francis H. Fay and Gennadii A. Fedoseev, 1984. pp.101- 104

HAURY, L. R. An offshore eddy in the California Current System. Part IV: plankton distributions. Progress in Oceanography, v.13, 1984. pp.95-111

HAWKINS, JAMES W., JR. (with Sherman H. Bloomer, C. A. Evans, and John T. Melchior). Evolution of intra-oceanic arc-trench systems. Tectonophysics, v.102, 1984. pp.175-205

HAWKINS, JAMES W., JR. (with C. Evans). Geology of the Zambales Range, Luzon, Philippine Islands: ophiolite derived from an island arc-back arc basin pair. In: The Tectonic and Geologic Evolution of Southeast Asian Seas and Islands, Part 2, Geophysical Monograph Series, v.27. Washington, D.C., American Geophysical Union, 1982. pp.95-123

HESSLER, ROBERT R. Dahlella caldariensis, new genus, new species: a leptostracan (Crustacea, Malacostraca). from deep-sea hydrothermal vents. Journal of Crustacean Biology, v.4, no.4, 1984. pp.655-664

HESSLER, ROBERT R. (with Brian M. Marcotte, William A. Newman, and Rosalie F. Maddocks). Evolution within the Crustacea. In: The Biology of Crustacea, v.1, edited by Dorothy E. Bliss. New York, Academic Press, Inc., 1982. pp.149-239

HEWES, C. D. (With J. G. H. Maxwell). Nutrients cycles and food chains in the Antarctic. South African Journal of Science, v.80, no.4, 1984. pp.153-154.

HEWES, C. D. (with Freda M. H. Reid and O. Holm-Hansen). The quantitative analysis of nanoplankton: a study of methods. Journal of Plankton Research, v.6, no.4, 1984. pp.601-613

HOCHLOWSKI, JILL E. (with D. John Faulkner). Metabolites of the marine pulmonate Siphonaria australis. Journal of Organic Chemistry, v.49, 1984. pp.3838-3840

HOCHLOWSKI, JILL E. (with John C. Coll, D. John Faulkner, Joseph E. Biskupiak, Chris Ireland, Zheng Qi-tai, He Cun-heng, and Jon Clardy). Novel metabolites of four Siphonaria species. American Chemical Society. Journal, v.106, 1984. pp.6748-6750

HODGKISS, W. S. An oceanic reverberation model. IEEE Journal of Oceanic Engineering, v.OE-9, no.2, 1984. pp.63-72

HODGKISS, W. S. (with D. Alexandrou). Power normalization sensitivity of adaptive lattice structures. IEEE Transactions on Acoustics, Speech, and Signal Processing, v.ASSP-32, no.4, 1984. pp.925-928

HODGKISS, W. S. Surface projections of array beam patterns. IEEE Journal of Oceanic Engineering, v.OE-9, no.2, 1984. p.98

HOLMAN, R. A. (with Robert T. Guza). Measuring run-up on a natural beach. Coastal Engineering, v.8, 1984. pp.129-140

HUNTLEY, MARK E. (with Carl Boyd). Food-limited growth of marine zooplankton. The American Naturalist, v.124, no.4, 1984. pp.455-478

HUTCHINSON, IAN (with Joseph Colosi and Ralph A. Lewin). The biology of Canadian weeds. 63. Sonchus asper (L.). Hill and S. oleraceus L. Canadian Journal of Plant Science, v.64, 1984. pp.731-744

IERLEY, G. R. (with W. R. Young). Can the western boundary layer affect the potential vorticity distribution in the Sverdrup interior of a wind gyre? Journal of Physical Oceanography, v.13, no.10, 1983. pp.1753-1763

JACKSON, GEORGE A. Internal wave attenuation by coastal kelp stands. Journal of Physical Oceanography, v.14, no.8, 1984. pp.1300-1306

JACOBSON, R. S. (with George G. Shor, Jr. and Michel Bee). A comparison of velocity and attenuation between the Nicobar and Bengal Deep Sea Fans. Journal of Geophysical Research, v.89, no.B7, 1984. pp.6181-6196

JOYCE, TERRENCE (with Richard Backus, Karen Baker, Patricia Blackwelder, Otis Brown, Timothy Cowles, Robert Evans, Greta Fryxell, David Mountain, Donald Olson, Ronald Schlitz, Raymond Schmitt, Peter Smith, Raymond Smith, and Peter Wiebe). Rapid evolution of a Gulf Stream warm-core ring. Nature, v.308, no.5962, 1984. pp.837-840

KALMIJN, A. J. Theory of electromagnetic orientation: a further analysis. In: Comparative Physiology of Sensory Systems, edited by Liana Bolis, R. D. Keynes, and S. H. P. Maddrell. Cambridge, Cambridge University Press, 1984. pp.525-560

KARL, D. M. (with G. A. Knauer, J. H. Martin, and B. B. Ward). Bacterial chemolithotrophy in the ocean is associated with sinking particles. Nature, v.309, no.5963, 1984. pp.54-56

KASTENS, KIM (with Fred N. Spiess). Dissolution and collapse features on the eastern Mediterranean Ridge. Marine Geology, v.56, 1984. pp.181- 193

KASTNER, MIRIAM (with Raymond Siever). Siliceous sediments of the Guaymas Basin: the effect of high thermal gradients on diagenesis. Journal of Geology, v.91, 1983. pp.629-641

KEELING, CHARLES D. (with Alane F. Carter and Willem G. Mook). Seasonal, latitudinal, and secular variations in the abundance and isotopic ratios of atmospheric CO2. 2. Results from oceanographic cruises in the tropical Pacific Ocean. Journal of Geophysical Research, v.89, no.C6, 1984. pp.4615-4628

KEIR, R. S. Recent increase in Pacific CaCO3 dissolution: a mechanism for generating old 14C ages. Marine Geology, v.59, 1984. pp.227-250

KLIMLEY, A. PETER (with Donald R. Nelson). Diel movement patterns of the scalloped hammerhead shark (Sphyrna lewini) in relation to El Bajo Espiritu Santo: a refuging central-position social system. Behavioral Ecology and Sociobiology, v.15, 1984. pp.45-54

KLIMLEY, A. PETER Grouping behavior in the scalloped hammerhead. Oceanus, v.24, no.4, 1981. pp.65-71

KLIMLEY, A. PETER (with Donald R. Nelson). Schooling of the scalloped hammerhead shark, Sphyrna lewini, in the Gulf of California. United States. National Marine Fisheries Service. Fishery Bulletin, v.79, no.2, 1981. pp.356-360

KLIMLEY, A. PETER (with S. T. Brown). Stereophotography for the field biologist: measurement of lengths and three-dimensional positions of free-swimming sharks. Marine Biology, v.74, 1983. pp.175-185

KOBLINSKY, C. J. (with Robert L. Bernstein, W. J. Schmitz, Jr., and Pearn P. Niiler). Estimates of the geostrophic stream function in the western North Pacific from XBT surveys. Journal of Geophysical Research, v.89, no.C6, 1984. pp.10,451-10,460

KOBLINSKY, C. J. (with J. J. Simpson and T. D. Dickey). An offshore eddy in the California Current System. Part II: surface manifestation. Progress in Oceanography, v.13, 1984. pp.51-69

KOPF, GREGORY S. (with Cindy A. Lewis and Victor D. Vacquier). Characterization of basal and methylxanthine-stimulated Ca2+ transport in abalone spermatozoa. Journal of Biological Chemistry, v.259, no.9, 1984. pp.5514-5520

KOPF, GREGORY S. (with Victor D. Vacquier). Characterization of a calmodulin- stimulated adenylate cyclase from abalone spermatozoa. Journal of Biological Chemistry, v.259, no.12, 1984. pp.7590-7596

KOSLOW, J. ANTHONY Zooplankton community structure in the North Sea and Northeast Atlantic: development and test of a biological model. Canadian Journal of Fisheries and Aquatic Sciences, v.40, no.11, 1983. pp.1912-1924

LAL, D. (with R. Revelle). Atmospheric PCO2 changes recorded in lake sediments. Nature, v.308, 1984. pp.344-346

LAWS, E. A. (with D. G. Redalje, L. W. Haas, P. K. Bienfang, Richard W. Eppley, W. G. Harrison, D. M. Karl, and J. Marra). High phytoplankton growth and production rates in oligotrophic Hawaiian coastal waters. Limnology and Oceanography, v.29, no.6, 1984. pp.1161-1169

LEE, LUKE T. Response of cerebellum to stimulation of telencephalon in the catfish (Ictalurus nebulosus). Journal of Neurophysiology, v.51, no.6, 1984. pp.1394-1408

LEE, LUKE T. (with Theodore Holmes Bullock). Sensory representation in the cerebellum of the catfish. Neuroscience, v.13, no.1, 1984. pp.157-169

LEWIN, RALPH A. (with C. Burrascano). Another new kind of Chlamydomonas mutant, with impaired flagellar autotomy. Experientia, v.39, 1983. pp.1397-1398

LEWIN, RALPH A. Culture and taxonomic status of Chlorochytrium lemnae, a green algal endophyte. British Phycological Journal, v.19, 1984. pp.107-116

LEWIN, RALPH A. (with Lanna Cheng and Jaime Matta). Diurnal rhythm in the cell-division frequency of Prochloron (Prochlorophyta) in nature. Phycologia, v.23, no.4, 1984. pp.505-507

LEWIN, RALPH A. Prochloron, a status report. Phycologia, v.23, no.2, 1984. pp.203-208

LI, C.-W. (with Benjamin E. Volcani). Aspects of silicification in wall morphogenesis of diatoms. Royal Society of London. Philosophical Transactions. Series B, v.304, 1984. pp.519-528

LIU, CHAR-SHINE (with Joseph R. Curray and J. M. McDonald). New constraints on the tectonic evolution of the eastern Indian Ocean. Earth and Planetary Science Letters, v.65, 1983. pp.331-342

LIU, W. TIMOTHY (with Pearn P. Niiler). Determination of monthly mean humidity in the atmospheric surface layer over oceans from satellite data. Journal of Physical Oceanography, v.14, no.9, 1984. pp.1451-1457

LONSDALE, PETER Laccoliths(?). and small volcanoes on the flank of the East Pacific Rise. Geology, 1983. pp.706-709

LONSDALE, PETER Overlapping rift zones at the 5.5 S offset of the East Pacific Rise. Journal of Geophysical Research, v.88, no.B11, 1983. pp.9393-9406

LUTHER, DOUGLAS S. (with D. E. Harrison). Observing long-period fluctuations of surface winds in the tropical Pacific: initial results from island data. Monthly Weather Review, v.112, no.2, 1984. pp.285-302

MASTERS, PATRICIA M. Stereochemical age determinations for the Barrow Eskimo remains. Arctic Anthropology, v.21, no.1, 1984. pp.77-82

MCMILLAN, CHARMION B. (with Robert L. Wisner). Three new species of seven-gilled hagfishes (Myxinidae, Eptatretus). from the Pacific Ocean. California Academy of Sciences. Proceedings, Series 4, v.43, no.16, 1984. pp.249-267

MILES, JOHN W. Chaotic motion of a weakly nonlinear, modulated oscillator. National Academy of Sciences of the United States of America. Proceedings, v.81, 1984. pp.3919-3923

MILES, JOHN W. Nonlinear Faraday resonance. Journal of Fluid Mechanics, v.146, 1984. pp.285-302

MILES, JOHN W. Resonant motion of a spherical pendulum. Physica D, v.11, 1984. pp.309-323

MILES, JOHN W. Resonant, nonplanar motion of a stretched string. Acoustical Society of America. Journal, v.75, no.5, 1984. pp. 1505-1510

MILES, JOHN W. Resonantly forced motion of two quadratically coupled oscillators. Physica D, v.13, 1984. pp.247-260

MONTGOMERY, J. C. Frequency response characteristics of primary and secondary neurons in the electrosensory system of the thornback ray. Comparative Biochemistry and Physiology. Part A, v.79, no.1, 1984. pp.189-195

MONTGOMERY, J. C. Noise cancellation in the electrosensory system of the thornback ray; common mode rejection of input produced by the animal's own ventilatory movement. Journal of Comparative Physiology, A, Sensory, Neural and Behavioral Physiology, v.155, 1984. pp.103-111

MOOK, WILLEM G. (with Marjan Koopmans, Alane F. Carter and Charles D. Keeling). Seasonal, latitudinal, and secular variations in the abundance and isotopic ratios of atmospheric carbon dioxide. 1. Results from land stations. Journal of Geophysical Research, v.88, no.C15, 1983. pp.10,915-10,933

MULLIN, MICHAEL M. (with Gregory H. Rau and Richard W. Eppley). Stable nitrogen isotopes in zooplankton: some geographic and temporal variations in the North Pacific. Limnology and Oceanography, v.29, no.6, 1984. pp.1267-1273

MUNGUIA, LUIS (with James Brune). High stress drop events in the Victoria, Baja California earthquake swarm of 1978 March. Geophysical Journal, v.76, 1984. pp.725-752

MUNGUIA, LUIS (with James Brune). Local magnitude and sediment amplification observations from earthquakes in the northern Baja California- southern California region. Seismological Society of America. Bulletin, v.74, no.1., 1984. pp.107-119

MUNGUIA, LUIS (with James Brune). Simulations of strong ground motion for earthquakes in the Mexicali-Imperial Valley region. Geophysical Journal, v.79, 1984. pp.747-771

NAKATSU, TETSUO (with D. John Faulkner, Gayle K. Matsumoto, and Jon Clardy). Structure of the diterpene portion of a novel base from the sponge Agelas mauritiana. Tetrahedron Letters, v.25, no.9, 1984. pp.935-938

NAMIAS, JEROME (with Daniel R. Cayan). El Nino: the implications for forecasting. Oceanus, v.27, no.2, 1984. pp.41-47

NEORI, A. (with O. Holm-Hansen, B. G. Mitchell, and D. A. Kiefer). Photoadaptation in marine phytoplankton. Plant Physiology, v.76, 1984. pp.518-524

NEWMAN, L. J. (with Lanna Cheng). Chromosomes of five species of sea-skater (Gerridae-Heteroptera). Genetica, v.61, 1983. pp.215-217

NEWMAN, WILLIAM A. (with Margaret D. Knight). The carapace and crustacean evolution-a rebuttal. Journal of Crustacean Biology, v.4, no.4, 1984. pp.682-687

NEWMAN, WILLIAM A. Origin of the Maxillopoda; urmalacostracan ontogeny and progenesis. In: Crustacean Phylogeny, edited by Frederick R. Schram. Rotterdam, A.A. Balkema, 1983. pp.105-119

NEWMAN, WILLIAM A. (with Brian A. Foster). The Rapanuian faunal district (Easter and Sala Y Gomez): in search of ancient archipelagos. Bulletin of Marine Science, v.33, no.3, 1983. pp.633-644

NIEMEYER, S. (with G. W. Lugmair). Titanium isotopic anomalies in meteorites. Geochimica et Cosmochimica Acta, v.48, 1984. pp.1401-1416

NIILER, PEARN P. (with Richard W. Reynolds). The three-dimensional circulation near the eastern North Pacific Subtropical Front. Journal of Physical Oceanography, v.14, no.2, 1984. pp.217-230

NIMAN, HENRY L. (with B. R. Hough-Evans, Victor D. Vacquier, R. J. Britten, R. A. Lerner, and E. H. Davidson). Proteins of the sea urchin egg vitelline layer. Developmental Biology, v.102, 1984. pp.390-401

NISHIMURA, CLYDE (with Douglas S. Wilson and R. N. Hey). Pole of rotation analysis of present-day Juan de Fuca plate motion. Journal of Geophysical Research, v.89, no.B12, 1984. pp.10,283-10,290

NISSEN, HILDE (with Per Nissen and Farooq Azam). Multiphasic uptake of D-glucose by an oligotrophic marine bacterium. Marine Ecology-Progress Series, v.16, 1984. pp.155-160

OGG, J. G. (with M. B. Steiner, F. Oloriz, and J. M. Tavera). Jurassic magnetostratigraphy, 1. Kimmeridgian-Tithonian of Sierra Gorda and Carcabuey, southern Spain. Earth and Planetary Science Letters, v.71, 1984. pp.147-162

OLDENBURG, D. W. (with K. P. Whittall and R. L. Parker). Inversion of ocean bottom magnetotelluric data revisited. Journal of Geophysical Research, v.89, no.B3, 1984. pp.1829-1833

OLSON, ALLEN H. (with J. A. Orcutt and Gerald A. Frazier). The discrete wavenumber/finite element method for synthetic seismograms. Geophysical Journal, v.77, 1984. pp.421-460

ORCUTT, J. A. (with Jim S. McClain and M. Burnett). Evolution of the ocean crust: results from recent seismic experiments. In: Ophiolites and Oceanic Lithosphere, edited by I. G. Gass, S. J. Lippard, and A. W. Shelton. London, Blackwell Scientific Publications, 1984. pp.7-16

PAERL, HANS W. (with Ralph A. Lewin and Lanna Cheng). Variations in chlorophyll and carotenoid pigmentation among Prochloron (Prochlorophyta). symbionts in diverse marine ascidians. Botanica Marina, v.27, 1984. pp.257-264

PARDY, R. L. (with Ralph A. Lewin and K. Lee). The Prochloron symbosis. In: Algal Symbiosis-A Continuum of Interaction Strategies, edited by Lynda J. Goff. New York, Cambridge University Press, 1983. pp.91-96

PARK, JEFFREY (with Alan D. Chave). On the estimation of magnetotelluric response functions using the singular value decomposition. Geophysical Journal, v.77, 1984. pp.683-709

PARKER, ROBERT L. An inverse problem of electromagnetism arising in geophysics. In: SIAM-AMS Proceedings, v.14. Providence, American Mathematical Society, 1984. pp.3-12

PARKER, ROBERT L. The inverse problem of resistivity sounding. Geophysics, v.49, no.12, 1984. pp.2143-2158

PARKER, ROBERT L. The magnetotelluric inverse problem. Geophysical Surveys, v.6, 1983. pp.5-25

PAULL, C. K. (with B. Hecker, R. Commeau, R. P. Freeman-Lynde, C. Neumann, W. P. Corso, S. Golubic, J. E. Hook, E. Sikes, and Joseph R. Curray). Biological communities at the Florida Escarpment resemble hydrothermal vent taxa. Science, v.226, 1984. pp.965-967

PAWKA, STEVEN S. (with Douglas L. Inman and Robert T. Guza). Island sheltering of surface gravity waves: model and experiment. Continental Shelf Research, v.3, no.1, 1984. pp.35-53

PERRIN, WILLIAM F. (with John R. Henderson). Growth and reproductive rates in two populations of spinner dolphins, Stenella longirostris, with different histories of exploitation. International Whaling Commission. Reports, Special Issue 6, 1984. pp.417-430

PERRIN, WILLIAM F. (with Stephen B. Reilly). Reproductive parameters of dolphins and small whales of the family Delphinidae. International Whaling Commission. Reports, Special Issue 6, 1984. pp.97-133

PINKEL, ROBERT Doppler sonar observations of internal waves: the wavenumber- frequency spectrum. Journal of Physical Oceanography, v.14, no.8, 1984. pp.1249-1270

PODELL, SHEILA B. (with Victor D. Vacquier). Inhibition of sea urchin sperm acrosome reaction by antibodies directed against two sperm membrane proteins. Experimental Cell Research, v.155, 1984. pp.467-476

PODELL, SHEILA B. (with Gary W. Moy and Victor D. Vacquier). Isolation and characterization of a plasma membrane fraction from sea urchin sperm exhibiting species specific recognition of the egg surface. Biochimica et Biophysica Acta, v.778, 1984. pp.25-37

PODELL, SHEILA B. (with Victor D. Vacquier). Wheat germ agglutinin blocks the acrosome reaction in Strongylocentrotus purpuratus sperm by binding a 210,000- mol-wt membrane protein. Journal of Cell Biology, v.99, 1984. pp.1598-1604

POORE, RICHARD Z. (with Lisa Tauxe, Stephen F. Percival, Jr., John L. LaBrecque, Ramil Wright, Nikolai Petersen, Charles C. Smith, Peter Tucker, and Kenneth J. Hsu). Late Cretaceous-Cenozoic magnetostratigraphic and biostratigraphic correlations for the South Atlantic Ocean, Deep Sea Drilling Project Leg 73. In: Initial Reports of the Deep Sea Drilling Project, v.73, edited by K. J. Hsu, J. L. LaBrecque, et al. Washington, D.C., U.S. Government Printing Office, 1984. pp.645-655

REEVES, Christopher D. (with Benjamin E. Volcani). Role of silicon in diatom metabolism: patterns of protein phosphorylation in Cylindrotheca fusiformis during recovery from silicon starvation. Archives of Microbiology, v.137, 1984. pp.291-294

RIDGWAY, H. F. (with Ralph A. Lewin). Subunit composition of goblet-shaped particles from the cell wall of Flexibacter polymorphus. Canadian Journal of Microbiology, v.29, no.12, 1983. pp.1689-1693

RIEDEL, WILLIAM R. (with Annika Sanfilippo). Evolutionary history of Cenozoic cyrtoid radiolarian genera. In: Proceedings of the Third North American Paleontological Convention, Montreal, August 5-7, 1982, edited by Bernard Mamet and M. J. Copeland. Toronto, Business and Economic Service Ltd., 1982. pp.429-434

ROADS, JOHN OWEN (with Geoffrey K. Vallis and Lorraine A. Remer). Cloud/climate sensitivity experiments. In: Climate Processes and Climate Sensitivity. Geophysical Monograph 29, Maurice Ewing Series v.5, edited by Maurice Ewing. Washington, D.C., American Geophysical Union, 1984. pp.92-107

ROADS, JOHN OWEN (with Geoffrey K. Vallis). An energy balance climate model with cloud feedbacks. Tellus, v.36A, 1984. pp.236-250

ROADS, JOHN OWEN (with Tim P. Barnett). Forecasts of the 500 mb height using a dynamically oriented statistical model. Monthly Weather Review, v.112, no.7, 1984. pp.1354-1369

SCHMID, ANNA-MARIA M. (with Benjamin E. Volcani). Wall morphogenesis in Coscinodiscus wailesii Gran and Angst. I. Valve morphology and development of its architecture. Journal of Phycology, v.19, 1983. pp.387-402

SCHRAM, FREDERICK R. Relationships within eumalacostracan Crustacea. San Diego Society of Natural History. Transactions, v.20, no.16, 1984. pp.301-312

SCHWEITZER, JEFF (with David Lowe). Mesencephalic and diencephalic cobalt-lysine injections in an elasmobranch: evidence for two parallel electrosensory pathways. Neuroscience Letters, v.44, 1984. pp.317-322

SEYMOUR, RICHARD J. (with David P. Bothman). A hydrostatic profiler for nearshore surveying. Coastal Engineering, v.8, 1984. pp.1-14

SHAW, PETER (with J. A. Orcutt). Propagation of PL and implications for the structure of Tibet. Journal of Geophysical Research, v.89, no.B5, 1984. pp.3135-3152

SIMPSON, JAMES J. El Nino-induced onshore transport in the California Current during 1982-1983. Geophysical Research Letters, v.11, no.3, 1984. pp.233-236

SIMPSON, JAMES J. (with C. J. Koblinsky, L. R. Haury, and T. D. Dickey). An offshore eddy in the California Current System: preface. Progress in Oceanography, v.13, 1984. pp.1-4

SIMPSON, JAMES J. (with T. D. Dickey and C. J. Koblinsky). An offshore eddy in the California Current System. Part I: interior dynamics. Progress in Oceanography, v.13, 1984. pp.5-49

SIMPSON, JAMES J. An offshore eddy in the California Current System. Part III: chemical structure. Progress in Oceanography, v.13, 1984. pp.71-93

SIMPSON, JAMES J. On the exchange of oxygen and carbon dioxide between ocean and atmosphere in an eastern boundary current. In: Gas Transfer at Water Surfaces, edited by W. Brutsaert and G. H. Jirka. Dordrecht, Netherlands, D. Reidel Publishing Co., 1984. pp.505-514

SIMPSON, JAMES J. A simple model of the 1982-83 Californian "El Nino." Geophysical Research Letters, v.11, no.3, 1984, pp.237-240

SMITH, RAYMOND C. (with Karen Baker). The analysis of ocean optical data. In: Ocean Optics VII, Proceedings of SPIE - The International Society for Optical Engineering, v.489. Bellingham, WA., Society of Photo- Optical Instrumentation Engineers, 1984. pp.119-126 (with C. R. Booth and J. L. Star). Oceanographic biooptical profiling system. Applied Optics, v.23, 1984. pp.2791-2797

SOMAYAJULU, B. L. K. (with P. Sharma and Wolfgang H. Berger). 10BE, 14C and U-Th decay series nuclides and O 18 O in a box core from the central north Atlantic. Marine Geology, v.54, no.3/4, 1984. pp.169-180

SOMERO, GEORGE N. Physiology and biochemistry of the hydrothermal vent animals. Oceanus, v.27, no.3, 1984. pp.67-72

SOMERVILLE, RICHARD C. J. (with Lorraine A. Remer). Cloud optical thickness feedbacks in the CO2 climate problem. Journal of Geophysical Research, v.89, no.D6, 1984. pp.9668-9672

STAKES, D. S. (with H. P. Taylor, Jr. and Robert L. Fisher). Oxygen-isotope and geochemical characterization of hydrothermal alteration in ophiolite complexes and modern oceanic crust. In: Ophiolites and Oceanic Lithosphere, edited by I. G. Gass, S. J. Lippard and A. W. Shelton. London, Blackwell Scientific Publications, 1984. pp.199-214

STEWART, ROBERT H. Oceanography from space. Annual Review of Earth and Planetary Sciences, v.12, 1984. pp.61-82

STILLER, M. (with Yu-Chia Chung). Radium in the Dead Sea: a possible tracer for the duration of meromixis. Limnology and Oceanography, v.29, no.3, 1984. pp.574-586

STOMMEL, HENRY (with Laurence Armi). Physical Oceanography-a hydraulic-inertial model of thermal convection. Comptes Rendus de l' Academie des Sciences, v.299, Series II, no.14, 1984. pp.937-942

STOSCH, H.-G. (with G. W. Lugmair). Evolution of the lower continental crust: granulite facies xenoliths from the Eifel, West Germany. Nature, v.311, no.5984, 1984. pp.368-370

SULLIVAN, BRIAN (with D. John Faulkner). Metabolites of the marine sponge Dendrilla sp. Journal of Organic Chemistry, v.49, 1984. pp.3204- 3206

SWIFT, JAMES H. A recent 0-S shift in the deep water of the northern North Atlantic. In: Climate Processes and Climate Sensitivity. Geophysical Monograph 29, Maurice Ewing Series v.5, edited by Maurice Ewing. Washington, D.C., American Geophysical Union, 1984. pp.39-47

TAUXE, LISA (with Peter Tucker). The downhole variation of the rock-magnetic properties of Leg 73 sediments. In: Initial Reports of the Deep Sea Drilling Project, v.73, edited by K. J. Hsu, J. L. LaBrecque, et. al. Washington, D.C., U.S. Government Printing Office, 1984. pp.673-685

TAUXE, LISA (with Peter Tucker, Nikolai Petersen, and John L. LaBrecque). Magnetostratigraphy of Leg 73 sediments. In: Initial Reports of the Deep Sea Drilling Project, v.73, edited by K. J. Hsu, J. L. LaBrecque, et al. Washington, D.C., U.S. Government Printing Office, 1984. pp.609-621

TAUXE, LISA (with Dennis V. Kent). Properties of a detrital remanence carried by haematite from study of modern river deposits and laboratory redeposition experiments. Geophysical Journal, v.77, 1984. pp.543-561

TAUXE, LISA (with C. Badgley). Transition stratigraphy and the problem of remanence lock-in times in the Siwalik red beds. Geophysical Research Letters, v.11, no.6, 1984. pp.611-613

THOMAS, WILLIAM H. (with Don L. R. Seibert, M. Alden, A. Neori, and P. Eldridge). Yields, photosynthetic efficiencies and proximate composition of dense marine microalgal cultures. I. Introduction and Phaeodactylum tricornutum experiments. Biomass, v.5, 1984. pp.181-209

THOMAS, WILLIAM H. (with Don L. R. Seibert, M. Alden, A. Neori and P. Eldridge). Yields, photosynthetic efficiencies and Proximate composition of dense marine microagal cultures. II. Dunaliella primolecta and Tetraselmis suecica experiments. Biomass, v.5, 1984. pp.211-225

THOMAS, WILLIAM H. (with D. L. R. Seibert, M. Alden, A. Neori, and P. Eldridge). Yields, photosynthetic efficiencies and proximate composition of dense marine microalgal cultures. III. Isochrysis sp. and Monallantus salina experiments and comparative conclusions. Biomass, v.5, 1984. pp.299-316

TRENT, JONATHAN D. (with Roger A. Chastain and A. Aristides Yayanos). Possible artefactual basis for apparent bacterial growth at 250 C. Nature, v.307, no.5953, 1984. pp.737-740

VACQUIER, VICTOR Oil fields - a source of heat flow data. Tectonophysics, v.103, 1984. pp.81-98

VACQUIER, VICTOR D. Rapid immunoassays for the acrosome reaction of sea urchin sperm utilizing antibody to bindin. Experimental Cell Research, v.153, 1984. pp.281-286

VALLIS, GEOFFREY K. Baroclinic and barotropic predictability in geostrophic turbulence. In: Predictability of Fluid Motions, AIP Conference Proceedings, no.106, edited by Greg Holloway and Bruce J. West. New York, American Institute of Physics, 1984. pp.117-132

VAN DORN, WILLIAM G. Some tsunami characteristics deducible from tide records. Journal of Physical Oceanography, v.14, no.2, 1984. pp.353-363

VASTANO, ANDREW C. (with Robert L. Bernstein). Mesoscale features along the first Oyashio Intrusion. Journal of Geophysical Research, v.89, no.C1, 1984. pp.587-596

VENRICK, ELIZABETH L. (with Thomas L. Hayward). Determining chlorophyll on the 1984 CalCOFI surveys. Calfornia Cooperative Oceanic Fisheries Investigations. Reports, v.25, 1984. pp.74-79

WARD, B. B. Photosynthesis and bacterial utilization of phytoplankton exudates: results from pre- and post-incubation size fractionation. Oceanologica Acta, v.7, no.3, 1984. pp.337-343

WILSON, DOUGLAS S. (with Richard N. Hey and Clyde Nishimura). Propagation as a mechanism of reorientation of the Juan de Fuca ridge. Journal of Geophysical Research, v.89, no.B11, 1984. pp.9215-9225

WILSON, RAYMOND R., JR. (with Robin S. Waples). Distribution, morphology, and biochemical genetics of Coryphaenoides armatus and C. yaquinae (Pisces: Macrouridae) in the central and eastern North Pacific. Deep-Sea Research. Part A, v.30, no.11, 1983. pp.1127-1145

WILSON, RAYMOND R., JR. (with Robin S. Waples). Electrophoretic and biometric variability in the abyssal grenadier Coryphaenoides armatus of the western North Atlantic, eastern South Pacific and eastern North Pacific Oceans. Marine Biology, v.80, 1984. pp.227-237

WINTERER, E. L. (with K. Hinz). The evolution of the Mazagan continental margin: a synthesis of geophysical and geological data with results of drilling during Deep Sea Drilling Project Leg 79. In: Initial Reports of the Deep Sea Drilling Project, v.79, edited by K. Hinz, E. L. Winterer, et al. Washington, D.C., U.S. Government Printing Office, 1984. pp.893-919

WINTERER, E. L. (with Christopher V. Metzler). Origin and subsidence of guyots in Mid-Pacific Mountains. Journal of Geophysical Research, v.89, no.B12, 1984. pp.9969-9979

WYATT, FRANK (with R. Bilham, J. Beavan, A. G. Sylvester, T. Owen, A. Harvey, C. Macdonald, D. D. Jackson, and D. Agnew). Comparing tiltmeters for crustal deformation measurement-a preliminary report. Geophysical Research Letters, v.11, no.10, 1984. pp.963-966

YOUNG, W. R. The role of western boundary layers in gyre-scale ocean mixing. Journal of Physical Oceanography, v.14, no.2, 1984. pp.478-483

YUKUTAKE, T. (with Jean H. Filloux, J. Segawa, Y. Hamano, and H. Utada). Preliminary report on a magnetotelluric array study in the Northwest Pacific. Journal of Geomagnetism and Geoelectricity, v.35, 1983. pp.575-587

ZAKON, HAROLD, H. (with J. Harlan Meyer). Plasticity of electroreceptor tuning in the weakly electric fish, Sternopygus dariensis. Journal of Comparative Physiology, A, Sensory, Neural, and Behavioral Physiology, v.153, 1983. pp.477-487

ZAKON, HAROLD, H. Postembryonic changes in the peripheral electrosensory system of a weakly electric fish: addition of receptor organs with age. Journal of Comparative Neurology, v.228, 1984. pp.557-570

ABARBANEL, HENRY D. I. Hamiltonian description of almost geostrophic flow. Geophysical and Astrophysical Fluid Dynamics, v.33, 1985. pp.145-171.

ABBOTT, MARK R. (with Philip M. Zion). Satellite observations of phytoplankton variability during an upwelling event. Continental Shelf Research, v.4, no.6, 1985. pp.661-680.

ALBIZATI, KIM F. (with Joseph R. Pawlik and D. John Faulkner). Limatulone, a potent defensive metabolite of the intertidal limpet Collisella limatula. The Journal of Organic Chemistry, v.50, 1985. p.3428.

ALBIZATI, KIM F. (with D. John Faulkner). Stevensine, a novel alkaloid of an unidentified marine sponge. Journal of Organic Chemistry, v.50, 1985. p.4163.

ALLDREDGE, A. L. (with B. H. Robison, A. Fleminger, J. J. Torres, J. M. King, and W. M. Hamner). Direct sampling and in situ observation of a persistent copepod aggregation in the mesopelagic zone of the Santa Barbara Basin. Marine Biology, v.80, 1984. pp.75-81.

AMMERMAN, JAMES W. (with F. Azam). Bacterial 5'-nucleotidase in aquatic ecosystems: a novel mechanism of phosphorus regeneration. Science, v.227, 1985. pp.1338-1340.

ANDERSEN, RAYMOND J. (with D. John Faulkner, He Cun-heng, Gregory D. Van Duyne, and Jon Clardy). Metabolites of the Marine Prosobranch mollusc Lamellaria sp. Journal of the American Chemical Society, v.107, 1985. p.5492.

ANDERSON, JOHN G. Two observations about low-frequency signals on accelerograms from the October 15, 1979 Imperial Valley, California earthquake. Earthquake Engineering and Structural Dynamics, v.13, 1985. pp.97-108.

ANDERSON, JOHN G. (with Paul G. Silver). Accererogram evidence for southward rupture propagation on the Imperial Fault during the October 15, 1979 earthquake. Geophysical Research Letters, v.12, no.6, 1984. pp.349-352.

ANDERSSON, AGNETA (Cindy Lee, Farooq Azam and A. Hagstrom). Release of aminoacids and inorganic nutrients by heterotrophic marine microflagellates. Marine Ecology - Progress Series, v.23, pp.99-106.

ARMI, LAURENCE (with D. Farmer). The internal hydraulics of the Strait of Gibraltar and associated sills and narrows. Oceanologica Acta, v.8, no.1, 1985. pp.37-46.

ARMI, LAURENCE (with Pierre Flament). Cautionary remarks on the spectral interpretation of turbulent flows. Journal of Geophysical Research, v.90, no.C6, 1985. pp.11,779-11,782.

AZAM, FAROOQ The raioecological role of marine bacterioplankton. In: Role of microorganisms on the behaviour of radionuclides in aquatic and terrestrial systems and their transfer to man. Proceedings of a workshop held in Brussels, 25-27 April 1984, in cooperation with the Institut Royal des Sciences Naturelles de Belgique, editors: E. Bonnyns-Van Gelder and R. Kirchmann. Union Internationale des Radioecologistes (International Union of Radioecologists). and Commission des Communautes Europeennes (Commission of the European Communities). 1984. pp.2-7.

AZAM, FAROOQ The ecological and biogeochemical roles of the bacterioplankton in coastal marine ecosystems. In: Marine Geology and Oceanography of Arabian Sea and Coastal Pakistan, edited by B. U. Haq and J. D. Milliman. New York, Van Nostrand Reinhold Co.,1984. pp.317-326.

AZAM, FAROOQ (with James W. Ammerman, Jed A. Fuhrman, and A. Hagstrom). Role of bacteria in polluted marine ecosystems. In: Concepts in Marine Pollution Measurements, edited by Harris H. White. College Park, MD, Maryland Sea Grant Publication, 1984. pp.431-442.

BACASTOW, R. B. (with Charles D. Keeling and T. P. Whorf). Seasonal amplitude increase in atmospheric CO2 concentration at Mauna Loa, Hawaii, 1959-1982. Journal of Geophysical Research, v.90, no.C10, 1985. pp.10,529-10,540.

BACKUS, GEORGE (with Sue Hough). Some models of the geomagnetic field in western Europe from 1960 to 1980. Physics of the Earth and Planetary Interiors, v.39, 1985. pp.243-254.

BALCH, W. M. Lack of an effect of light on methylamine uptake by phytoplankton. Limnology and Oceanography, v.30, no.3, 1985. pp.665-674.

BARCLAY, WILLIAM R. (with Ralph A. Lewin). Microalgal polysaccharide production for the conditioning of agricultural soils. Plant and Soil, v.88, 1985. pp.159-169.

BARNETT, TIM P. Variations in near-global sea level pressure. Journal of the Atmospheric Sciences, v.42, no.5, 1985. pp.478-501.

BENTOR, Y. K. The crustal evolution of the Arabo-Nubian Massif with special reference to the Sinai Peninsula. Precambrian Research, v.28, 1985. pp.1-74.

BERGER, WOLFGANG H. CO2 increase and climate prediction: clues from deep-sea carbonates. Episodes, v.8, no.3, 1985. pp.163-168.

BERGER, WOLFGANG H. (with J. S. Killingley, C. V. Metzler, and E. Vincent). Two- step deglaciation: C-dated high-resolution O records from the tropical Atlantic Ocean. Quaternary Research, v.23, 1985. pp.258-271.

BERGER, WOLFGANG H. (with J. S. Killingley and E. Vincent). Timing of deglaciation from an oxygen isotope curve for Atlantic deep-sea sediments. Nature, v.314, no.6007, 1985. pp.156-158.

BORN, GEORGE G. (with Robert H. Stewart and Charles A. Yamarone). TOPEX - A spaceborne ocean observing system. Monitoring Earth's Ocean, Land, and Atmosphere From Space - Sensors, Systems, and Applications. Progress in Astronautics and Aeronautics, v.97, edited by Abraham Schnapf. New York, American Institute of Aeronautics and Astronautics, Inc., 1985. pp.464-479.

BRINTON, EDWARD The oceanographic structure of the eastern Scotia Sea-III. Distributions of euphausiid species and their developmental stages in 1981 in relation to hydrography. Deep-Sea Research, v.32, no.10, 1985. pp.1153-1180.

BROWN, O. B. (with R. H. Evans, J. W. Brown, H. R. Gordon, R. C. Smith, and K. S. Baker). Phytoplankton blooming off the U. S. east coast: a satellite description. Science, v.229, 1985. pp.163-167.

BUKRY, DAVID (with Simonetta Monechi). Late Cenozoic silicoflagellates from the northwest Pacific, Deep Sea Drilling Project Leg 86: paleotemperature trends and texture classification. In: Initial Reports of the Deep Sea Drilling Project, v.86, edited by G. R. Heath, L. H. Burckle, et al. Washington, D.C., U.S. Government Printing Office, 1985. pp.367-397.

BUKRY, DAVID Tropical Pacific silicoflagellate zonation and paleotemperature trends of the Late Cenozoic. In: Initial Reports of the Deep Sea Drilling Project, v.85, edited by L. Mayer F. Theyer, et al. Washington, D.C., U.S. Government Printing Office, 1985. pp.477-497.

BUKRY, DAVID Late Cenozoic coccoliths in dredge samples from the southern Tonga platform, R/V S. P. Lee cruise L5-82-SP. In: Geology and Offshore Resources of Pacific Island Arc-Tonga Region, earth

Science Series, v.2, edited by David W. Scholl and Tracy L. Vallier. Houston, Texas, Circum-Pacific Council for Energy and Mineral Resources, 1985. pp.141-148.

BUKRY, DAVID Correlation of late Cretaceous Arctic silicoflagellates from Alpha Ridge. Geological Survey of Canada, Paper 84-22, 1985. pp.125-135.

CARLUCCI, A. F. (with D. B. Craven and S. M. Henrichs). Surface-film microheterotrophs: amino acid metabolism and solar radiation effects on their activities. Marine Biology, v.85, 1985. pp.13-22.

CARMEL, ZEV (with Douglas L. Inman and Abraham Golik). Directional wave measurement at Haifa, Israel, and sediment transport along the Nile littoral cell. Coastal Engineering, v.9, 1985. pp.21-36.

CARMEL, ZEV (with Douglas L. Inman and Abraham Golik). Characteristics of storm waves off the Mediterranean coast of Israel. Coastal Engineering, v.9, 1985. pp.1-19.

CARMEL, ZEV (with Douglas L. Inman and Abraham Golik). Transport of Nile sand along the southeastern Mediterranean coast. 19th Coastal Engineering Conference Proceedings, ASCE/September 3-7, 1984. pp.1282-1290.

CARR, CATHERINE E. (with Leonard Maler). A golgi study of the cell types of the dorsal torus semicircularis of the electric fish Eigenmannia: functional and morphological diversity in the midbrain. The Journal of Comparative Neurology, v.235, 1985. pp.207-240.

CARTE, BRAD (with Charles B. Rose and D. John Faulkner). 5-epi-Ilimiquinone, a metabolite of the sponge Fenestraspongia sp. The Journal of Organic Chemistry, v.50, 1985. p.2785.

CHAPMAN, C. H. (with J. A. Orcutt). The computation of body wave synthetic seismograms in laterally homogeneous media. Reviews of Geophysics, v.23, no.2, 1985. pp.105-163.

CHAPMAN, C. H. (with J. A. Orcutt). Least-squares fitting of marine seismic refraction data. Geophysical and Astrophysical Fluid Dynamics, v.82, 1985. pp.339-374.

CHASTAIN, ROGER A. (with Joan G. Stewart). Studies on Berkeleya hyalina (Round and Brooks). Cox, a marine tube-forming diatom. Phycologia, v.24, no.1, 1985. pp.83-92.

CHAVE, ALAN D. (with Charles S. Cox). Electromagnetic induction by ocean currents and the conductivity of the oceanic lithosphere. Journal of Geomagnetism and Geoelectricity, v.35, 1983. pp.491-499.

CHAVE, ALAN D. On the electromagnetic fields induced by oceanic internal waves. Journal of Geophysical Research, v.89, no.C6, 1984. pp.10,519-10,528.

CHAVE, ALAN D. (with Jean H. Filloux). Observation and interpretation of the seafloor vertical electric field in the Eastern North Pacific. Geophysical Research Letters, v.12, no.12, 1985. pp.793-796.

CHENG, LANNA. Biology of Halobates (Heteroptera: Gerridae). Annual Review Entomology, v.30, 1985. pp.111-135.

CHENG, LANNA. Physiological ecology of the sea-skater Halobates. National Geographic Society, Research Reports, v.18, 1977, pp.217-221.

CHUNG, YU-CHIA. Radon variations at Arrowhead and Murrieta Springs: continuous and discrete measurements. Pure and Applied Geophysics, v.122, 1984-1985. pp.293-308.

CORNUELLE, B. (with C. Wunsch, D. Behringer, T. G. Birdsall, M. Brown, R. Heinmiller, R. Knox, K. Metzger, W. Munk, J. Spiesberger, R. Spindel, D. Webb, and P. Worcester). Tomographic maps of the ocean mesoscale. Part I: pure acoustics. Journal of Physical Oceanography, v.15, no.2, 1985. pp.133-152.

CORNUELLE, B. (with C. Wunsch, D. Behringer, T. G. Birdsall, M. Brown, R. Heinmiller, R. Knox, K. Metzger, W. Munk, J. Spiesberger, R. Spindel, D. Webb, and P. Worcester). Tomographic maps of the Ocean Mesoscale. Part 1: Pure Acoustics. Journal of Physical Oceanography, v.15, no.2, 1985. pp.133-152.

COX, CHARLES (with Thomas Deaton and Spahr Webb). A deep-sea differential pressure gauge. Journal of Atmospheric and Oceanic Technology, v.1, no.3, 1984. pp.237-246.

CROXALL, J. P. (with I. Everson, G. L. Kooyman, C. Ricketts and R. W. Davis). Fur seal diving behaviour in relation to vertical distribution of krill. Journal of Animal Ecology, v.54, 1985. pp.1-8.

DAVIS, R. W. (with T. M. Williams and G. L. Kooyman). Swimming metabolism of yearling and adult harbor seals Phoca vitulina. Physiological Zoology, v.58, no.5, 1985. pp.590-597.

DAYTON, PAUL K. The structure and regulation of some South American kelp communities. Ecological Monographs, v.55, no.4, 1985. pp.447-468.

DAYTON, PAUL K. Ecology of kelp communities. Annual Review of Ecology and Systematics, v.16, 1985. pp.215-245.

DELONG, R. L. (with G. L. Kooyman, W. G. Gilmartin and T. R. Loughlin). Hawaiian monk seal diving behavior. Acta Zoologica Fennica, v.172, 1984. pp.129-131.

DE MOUSTIER, CHRISTIAN Inference of manganese nodule coverage from Sea Beam acoustic backscattering data. Geophysics, v.50, no.6, 1985. pp.989-1001.

DEWAR, WILLIAM K. (with Peter B. Rhines and William R. Young). The nonlinear spin-up of a stratified ocean. Geophysical and Astrophysical Fluid Dynamics, v.30, 1984. pp.169-197.

DOYLE, P. S. (with W. R. Riedel). 12. Ichthyolith biostratigraphy of western North Pacific pelagic clays, Deep Sea Drilling Project Leg 86. In: Initial Reports of the Deep Sea Drilling Project, v.86, edited by G. R. Heath, L. H. Burckle, et al. Washington, D.C., U.S. Government Printing Office, 1985. pp.349-366.

DRUFFEL, E. R. M. (with P. M. Williams, H. D. Livingston and M. Koide). Variability of natural and bomb-produced radionuclide distributions in abyssal red clay sediments. Earth and Planetary Science Letters, v.71, 1984. pp.205- 214.

ECHTELER, STEPHEN M. Connections of the auditory midbrain in a teleost fish, Cyprinus carpio. The Journal of Comparative Neurology, v.230, 1984. pp.536-551.

ECHTELER, STEPHEN M. Organization of central auditory pathways in a teleost fish, Cyprinus carpio. Journal of Comparative Physiology A, v.156, 1985. pp.267-280.

ECHTELER, STEPHEN M. Tonotopic organization in the midbrain of a teleost fish. Brain Research, v.338, 1985. pp.387-391.

ELGAR, STEVE (with Robert T. Guza and R. J. Seymour). Wave group statistics from numerical simulations of a random sea. Applied Ocean Research, v.7, no.2, 1985. pp.93-96.

ELGAR, STEVE (with Robert T. Guza). Shoaling gravity waves: comparisons between field observations, linear theory, and a nonlinear model. Journal of Fluid Mechanics, v.158, 1985. pp.47-70.

ELLIOTT, WILLIAM P. (with Lester Machta). An estimate of the biotic contribution to the atmospheric CO2 increase based on direct measurements at Mauna Loa Observatory. Journal of Geophysical Research, v.90, no.D2, 1985. pp.3741-3746.

ENRIGHT, JAMES THOMAS On pulfrich-illusion eye movements and accommodation vergence during visual pursuit. Vision Research, v.25, no.11, 1985. pp.1613- 1622.

ENRIGHT, JAMES THOMAS A new random-dot stereo illusion and its application to the Anstis-Howard-Rogers effect. Perception, v.13, 1984. pp.547-553.

EPPLEY, RICHARD W. (with E. Stewart, M. R. Abbott and U. Heyman). Estimating ocean primary production from satellite chlorophyll. Introduction to regional differences and statistics for the Southern California Bight. Journal of Plankton Research , v.7, no.1, 1985. pp.57-70.

EVANS, ROBERT H. (with Karen S. Baker, Otis B. Brown, and Raymond C. Smith). Chronology of warm-core ring 82B. Journal of Geophysical Research, v.90, no.C5, 1985. pp.8803-8811.

FAULKNER, D. JOHN Marine natural products: metabolites of marine invertebrates. Natural Products Reports, 1984. pp.551-598.

FIEBIG, E. (with D. L. Meyer and S. O. E. Ebbesson). Eye movements evoked from telencephalic stimulations in the piranha (Serrasalmus nattereri). Comparative Biochemistry and Physiology, v.81A, no.1, 1985. pp.67-70.

FINGER, THOMAS E. (with Shang-Liang Tong). Central organization of eighth nerve and mechanosensory lateral line systems in the brainstem of ictalurid catfish. The Journal of Comparative Neurology, v.229, 1984. pp.129-151.

FLAMENT, PIERRE (with Laurence Armi and Libe Washburn). The evolving structure of an upwelling filament. Journal of Geophysical Research, v.90, no.C6, 1985. pp.11,765-11,778.

FLEMINGER, A. Dimorphism and possible sex change in copepods of the family Calanidae. Marine Biology, v.88, 1985. pp.273-294.

FRIDBERGER, ANITA (with Johan Sundelin, Victor D. Vacquier, and Per A. Peterson). Amino acid sequence of an egg-lysin protein from abalone spermatozoa that solubilizes the vitelline layer. The Journal of Biological Chemistry, v.260, no.16, 1985. pp.9092-9099.

GOLDBERG, EDWARD D. The oceans as waste space. In: Ocean Yearbook 5, edited by Elisabeth Mann Borgese and Norton Ginsburg, Chicago, University of Chicago Press, 1985. pp.150-161.

GORDON, JACQUELINE I. (with Richard W. Johnson). Integrating nephelometer: theory and implications. Applied Optics, v.24, 1985. pp.2721-2730.

GOTTFRIED, M. D. (with P. S. Doyle and W. R. Riedel). Stratigraphic interpretations of pelagic sequences revised on the basis of ichthyoliths. Micropaleontology, v.30, no.4, 1984. pp.426-444.

GRAHAM, JEFFREY B. (with Clara B. Jones and Ira Rubinoff). Behavioural, physiological, and ecological aspects of the amphibious life of the pearl blenny Entomacrodus nigricans gill. Journal of Experimental Marine Biology and Ecology, v.89, 1985. pp.255-268.

GRAHAM, JEFFREY B. Seasonal and environmental effects on the blood hemoglobin concentrations of some Panamanian air-breathing fishes. Environmental Biology of Fishes, v.12, no.4, 1985. pp.291-301.

GRYGIER, MARK J. (with William A. Newman). Motility and calcareous parts in extant and follil Acrothoracica (Crustacea: Cirripedia), based primarily upon new species burrowing in the deep-sea scleractinian coral Enallopsammia. Transactions of the San Diego Society of Natural History, v.21, no.1, 1985. pp.1-22.

GRYGIER, MARK J. Lauridae: Taxonomy and morphology of ascothoracid crustacean parasites of zoanthids. Bulletin of Marine Science, v.36, no.2, 1985. pp.278-303.

GRYGIER, MARK J. New ascothoracid crustacean endoparasites of Scleractinia. Journal of Natural History, v.19, 1985. pp.1029-1043.

GUAN, FUMIN (with Jose Pelaez and Robert H. Stewart). The atmospheric correction and measurement of chlorophyll concentration using the coastal zone color scanner. Limnology and Oceanography, v.30, no.2, 1985. pp.273-285.

GUZA, ROBERT T. (with Edward B. Thornton). Observations of surf beat. Journal of Geophysical Research, v.90, no.C2, 1985. pp.3161-3172.

GUZA, ROBERT T. (with Edward B. Thornton). Velocity moments in nearshore. Journal of Waterway, Port, Coastal and Ocean Engineering, v.111, no.2, 1985. pp.235- 256.

HAGEDORN, MARY (with Walter Heiligenberg). Court and Spark: electric signals in the courtship and mating of gymnotoid fish. Animal Behavior, v.33, 1985. pp.254-265.

HAMMEL, H. T. Exact relationship between compressibility of solution and compressibilities of its pure constituents. Physical Chemistry of Liquids, v.14, 1985, pp.171-179.

HANES, DANIEL M. (with Douglas L. Inman). Observations of rapidly flowing granular-fluid materials. Journal of Fluid Mechanics, v.150, 1985. pp.357-380.

HANES, DANIEL M. (with Douglas L. Inman). Experimental evaluation of a dynamic yield criterion for granular fluid flows. Journal of Geophysical Research, v.90, no.B5, 1985. pp.3670-3674.

HARDY, KEVIN R. (with William Kenton). An oceanographic mooring winch system utilizing a horizontal double-barreled capstan. Ocean Engineering and the Environment, Conference Record, November 12-14, 1985, San Diego, California, v.2, 1985. pp.1357-1360.

HATHAWAY, DAVID H. (with Richard C. J. Somerville). Numerical simulation in three space dimensions of time-dependent thermal convection in a rotating fluid. Lectures in Applied Mathematics, v.22, 1985. pp.309-319.

HAXO, FRANCIS T. Photosynthetic action spectrum of the coccolithophorid, Emiliania Huxleyi (Haptophyceae): 19'hexanoyloxyfucoxanthin as antenna pigment. Journal of Phycology, v.21, 1985. pp.282-287.

HEILIGENBERG, WALTER (with Gary Rose). Phase and amplitude computations in the midbrain of an electric fish: intracellular studies of neurons participating in the jamming avoidance response of Eigenmannia. The Journal of Neuroscience, v.5, no.2, 1985. pp.515-531.

HEILIGENBERG, WALTER (with Gary Rose). Neural correlates of the jamming avoidance response (JAR) in the weakly electric fish Eigenmannia. TINS, October 1985. pp.442-449.

HELFRICH, KARL R. (with W. K. Melville and John W. Miles). On interfacial solitary waves over slowly varying topography. Journal of Fluid Mechanics, v.149, 1984. pp.305-317.

HEMMINGSEN, BARBARA B. (with Nisan A. Steinberg and Edvard A. Hemmingsen). Intracellular gas supersaturation tolerances of erythrocytes and resealed ghosts. Biophysical Journal, v.47, 1985. pp.491-496.

HENRICHS, SUSAN M. (with Peter M. Williams). Dissolved and particulate amino acids and carbohydrates in the sea surface microlayer. Marine Chemistry, v.17, 1985. pp.141-163.

HEWES, C.D. Phytoplankton studies at the Scotia Ridge. Antarctic Journal of the United States, v.19, no.5, 1985. pp.133-134.

HEY, R. N. (with D. F. Naar, M. C. Kleinrock, W. Jason Phipps Morgan, E. Morales and J.-G. Schilling). Microplate tectonics along a superfast seafloor spreading system near Easter Island. Nature, v.317, no.6035, 1985. pp.320-325.

HILDEBRAND, JOHN A. Observation of cell-substrate attachment with the acoustic microscope. IEEE Transactions on Sonics and Ultrasonics, v.SU-32, no.2, 1985. pp.332-340.

HODGE, VERNON F. (with Martha Stallard, Minoru Koide, and Edward D. Goldberg. Platinum and the platinum anomaly in the marine environment. Earth and Planetary Science Letters, v.72, 1985. pp.158-162.

HODGKISS, W. S. (with D. Alexandrou). Applications of adaptive array processing. In: Adaptive Methods in Underwater Acoustics, edited by H. G. Urban. Dordrecht, Holland, D. Reidel Publishing Co., 1985. pp.447-460.

HOLM-HANSEN, O. Composition and nutritional mode of nanoplankton. Archives fur Hydrobiologie Beiheft, v.19, 1984. pp.125-129.

INMAN, DOUGLAS L. Application of coastal dynamics to the reconstruction of paleocoastlines in the vicinity of La Jolla, California. In: Quaternary Coastlines and Marine Archaeology, edited by P. M. Masters and N. C. Flemming. London, Academic Press, 1983. pp.1-49.

INMAN, DOUGLAS L. (with Scott A. Jenkins). Erosion and accretion waves from Oceanside Harbor. Oceans 85: Ocean Engineering and the Environment, Marine Technological Society and IEEE, v.1, 1985. pp.591-593.

INMAN, DOUGLAS L. Damming of rivers in California leads to beach erosion. Oceans 85: Ocean Engineering and the Environment, Marine Technological Society and IEEE, v.1, 1985. pp.22-26.

INMAN, DOUGLAS L. (with Scott A. Jenkins). The Nile littoral cell and man's impact on the coastal zone of the southeastern Mediterranean. 19th Coastal Engineering Conference Proceedings, ASCE/September 3-7, 1984. pp.1600-1617.

JACKSON, GEORGE A. (with David E. James and Wheeler J. North). Morphological relationships among fronds of giant kelp Macrocystis pyrifera off La Jolla, California. Marine Ecology - Progress Series, v.26, 1985. pp.261-270.

JACOBSEN, TIMOTHY R. (with Farooq Azam). Role of bacteria in copepod fecal pellet decomposition: colonization, growth rates and mineralization. Bulletin of Marine Science, v.35, no.3, 1984. pp.495-502.

JAHNKE, RICHARD A model of microenvironments in deep-sea sediments: formation and effects on porewater profiles. Limnology and Oceanography, v.30, no.5, 1985. pp.956-965.

JENKINS, S. A. (with D. L. Inman). On a submerged sphere in a viscous fluid excited by small-amplitude periodic motions. Journal of Fluid Mechanics, v.157, 1985. pp.199-224.

JENSEN, DAVID W. Posture-correlated responses to vestibular polarization in vermal versus intermediate posterior cerebellar cortex. Experimental Neurology, v.88, 1985. pp.629-639.

JUNGCK, M. H. A. (with T. Shimamura and G. W. Lugmair). Ca isotope variations in Allende. Geochimica et Cosmochimica Acta, v.48, 1984. pp.2651-2658.

KAY, PETER S. (with D. John Faulkner). Minor metabolites of the sacoglossan Tridachiella diomedea. Boletin de la Sociedad Chilena de Quimica, v.29, no.3, 1984. pp.329-332.

KEELING, CHARLES D. (with R. Revelle). Effects of El Nino/southern oscillation on the atmospheric content of carbon dioxide. Meteoritics, v.20, no.2, part 2, 1985. pp.437-450.

KEELING, CHARLES D. (with Timothy P. Whorf, Chi Shing Wong, and Ronald D. Bellagay). The concentration of atmospheric carbon dioxide at Ocean Weather Station P from 1969-1981. Journal of Geophysical Research, v.90, no.C10, 1985. pp.10,511-10,528.

KEIR, R. S. (with Wolfgang H. Berger). Late holocene carbonate dissolution in the equatorial pacific: reef growth or neoglaciation? In the Carbon Cycle and Atmospheric CO2: Natural Variations Archean to Present. Geophysical Monograph 32, edited by E. T. Sinquist and Wallace S. Broecker. Washington, D.C., American Geophysical Union, 1985. pp.208-219.

KERRIDGE, JOHN F. (with R. M. Haymon and M. Kastner). Sulfur isotope systematics at the 21 N site, East Pacific Rise. Earth and Planetary Science Letters, v.66, 1983. pp.91-100.

KNOWLES, FRANCIS C. Regulation of resynthesis of the CO2-acceptor in photosynthesis. Feedback inhibition of transketolase. Physiologia Plantarum, v.64, 1985. pp.247-252.

KNOWLES, FRANCIS C. Determination of equilibrium constants for a sequential model of dioxygen binding by hemoglobin-inositol hexaphosphate complexes: the structural pathway from deoxy- to oxy-hemoglobin. Archives of Biochemistry and Biophysics, v.240, no.1, 1985. pp.358-368.

KNOWLES, FRANCIS C. Reactions of lipoamide dehydrogenase and glutathione reductase with arsonic acids and arsonous acids. Archives of Biochemistry and Biophysics, v.242, no.1, 1985. pp.1-10.

KOIDE, MINORU (with Edward D. Goldberg). Determination of 99Tc, 63Ni and 12lm + 126Sn in the marine environment. Journal of Environmental Radioactivity, v.2, 1985. pp.261-282.

KOIDE, MINORU with Edward D. Goldberg). The historical record of artificial radioactive fallout from the atmosphere in polar glaciers. In: Greenland Ice Core: Geophysics, Geochemistry, and the Environment. Geophysical Monograph Series 33, edited by C. C. Langway, Jr., H. Oeschger, and W. Dansgaard. Washington, D.C., American Geophysical Union, 1985. pp.95-100.

KOIDE, MINORU (with Kathe K. Bertine, Tsaihwa J. Chow and Edward D. Goldberg). The 240Pu/239Pu ratio, a potential geochronometer. Earth and Planetary Science Letters, v.72, 1985. pp.1-8.

KOOYMAN, GERALD L. Physiology without restraint in diving mammals. Marine Mammal Science, v.1, no.2, 1985. pp.166-178.

KOPF, GREGORY S. (with Victor D. Vacquier). Characterization of a calcium- modulated adenylate cyclase from abalone spermatozoa. Biology of Reproduction, v.33, 1985. pp.1094-1104.

LAL, D. (with J. R. Arnold). Tracing quartz through the environment. Proceedings of the Indian Academy of Sciences, Earth and Planetary Sciences, v.94, no.1, 1985. pp.1-5.

LAL, D. Carbon cycle variations during the past 50,000 years: atmospheric 14C/12C ratio as an isotopic indicator. In: The Carbon Cycle and Atmospheric CO2: Natural Variations Archean to Present. Geophysical Monograph 32, edited by E. T. Sundquist and Wallace S. Broecker. Washington, D.C., American Geophysical Union, 1985. pp.221-233.

LANGE, KARIN B. Spatial and seasonal variations of diatom assemblages off the Argentinian coast (South Western Atlantic). Oceanologica Acta, v.8, no.3, 1985. pp.361-370.

LEWIN, RALPH A. (with Kit W. Lee). Autotomy of algal flagella: electron microscope studies of Chlamydomonas (Chlorophyceae). and Tetraselmis (Prasinophyceae). Phycologia, v.24, no.3, pp.311-316.

LEWIN, RALPH A. Chlamydomonas sajao nov. sp. (Chlorophyta, Volvocales). Chinese Journal Oceanology Limnology, v.2, no.1, 1984. pp.91-96.

LEWIN, RALPH A. La filogenesi di Prochloron. Giornale Botanico Italiano, v.119, no.2, 1985. pp.5-6.

LEWIN, RALPH A. Photosynthetically active radiation - a new unit. Nature, v.316, 1985. p.582.

LEWIN, RALPH A. (with Lanna Cheng). Prochloron-Ascidian Symbioses: photosynthetic potential and productivity. Micronesica, v.19, no.1-2, 1983. pp.165-170.

LEWIN, RALPH A. The (relatively). compleat snorkeler and swamp stalker. Bulletin of the American Littoral Society, v.15, no.2, 1985. pp.17-19.

LI, CHIA-WEI (with B. E. Volcani). Studies on the biochemistry and fine structure of silica shell formation in diatoms VIII. Morphogenesis of the cell wall in a centric diatom, Ditylum brightwellii. Protoplasma, v.124, 1985. pp.10-29.

LI, CHIA-WEI (with B. E. Volcani). Studies on the biochemistry and fine structure of silica shell formation in diatoms IX. Sequential valve formation in a centric diatom, Chaetoceros rostratum. Protoplasma, v.124, 1985. pp.30-41.

LI, CHIA-WEI (with B. E. Volcani). Studies on the biochemistry and fine structure of silica shell formation in diatoms X. Morphogenesis of the labiate process in centric diatoms. Protoplasma, v.124, 1985. pp.147-156.

LONSDALE, PETER A transform continental margin rich in hydrocarbons, Gulf of California. The American Association of Petroleum Geologist Bulletin, v.69, no.7, 1985. pp.1160-1180.

LONSDALE, PETER (with James Hawkins). Silicic volcanism at an off-axis geothermal field in the Mariana Trough back-arc basin. Geological Society of America Bulletin, v.96, 1985. pp.940-951.

LONSDALE, PETER (with Keir Becker). Hydrothermal plumes, hot springs and conductive heat flow in the Southern Trough of Guaymas Basin. Earth and Planetary Science Letters, v.73, 1985. pp.211-225.

MACDOUGALL, J. DOUGLAS (with G. W. Lugmair). Extreme isotopic homogeneity among basalts from the southern East Pacific Rise: mantle or mixing effect? Nature, v.313, no.5999, 1985. pp.209-211.

MACDOUGALL, J. DOUGLAS (with G. W. Lugmair and J. F. Kerridge). Nature, v.307, no.5948, 1984. pp.249-251.

MACDOUGALL, J. DOUGLAS (with G. W. Lugmair). Extreme isotopic homogeneity among basalts from the southern East Pacific Rise: mantle or mixing effect? Nature, v.313, no.5999, 1985. pp.209-211.

MAHONEY, J. J. (with J. Douglas Macdougall, G. W. Lugmair, K. Gopalan and P. Krishnamurthy. Origin of contemporaneous tholeitic and K-rich alkalic lavas: a case study from the northern Deccan Plateau, India. Earth and Planetary Science Letters, v.72, 1985. pp.39-53.

MCDONOUGH, PATRICK M. (with Edvard A. Hemmingsen). A direct test for the survival of gaeous nuclei in vivo. Aviation, Space, and Environmental Medicine, 1985. pp.54-56.

MCDONOUGH, PATRICK M. (with Edvard A. Hemmingsen). Swimming movements initiate bubble formation in fish decompressed from elevated gas pressures. Comparative Biochemistry and Physiology, v.81A, no.1, 1985. pp.209-212.

MCNALLY, G. J. (with W. B. White). Wind driven flow in the mixed layer observed by drifting buoys during autumn-winter in the midlatitude North Pacific. Journal of Physical Oceanography, v.15, no.6, 1985. pp.684-694.

MEREWETHER, RAY (with Mark S. Olsson and Peter Lonsdale). Acoustically detected hydrocarbon plumes rising from 2-km depths in Guaymas Basin, Gulf of California. Journal of Geophysical Research, v.90, no.B4, 1985. pp.3075-3085.

MEYER, J. HARLAN (with Harold H. Zakon and Walter Heiligenberg). Steroid influences upon the electrosensory system of weakly electric fish: direct effects upon discharge frequencies with indirect effects upon electroreceptor tuning. Journal of Comparative Physiology A, v.154, 1984. pp.625-631.

MEYER, J. HARLAN Steroid influences upon discharge frequencies of intact and isolated pacemakers of weakly electric fish. Journal of Comparative Physiology A, v.154, 1984. pp.659-668.

MEYER, J. HARLAN Steroid influences upon the discharge frequencies of a weakly electric fish. Journal of Comparative Physiology A, v.153, 1983. pp.29-37.

MILES, JOHN W. (with Rick Salmon). Weakly dispersive nonlinear gravity waves. Journal of Fluid Mechanics, v.157, 1985. pp.519-531.

MILES, JOHN W. Internal resonance of a detuned spherical pendulum. Journal of Applied Mathematics and Physics (ZAMP), v.36, 1985. pp.609-615.

MILES, JOHN W. Parametric excitation of an internally resonant double pendulum. Journal of Applied Mathematics and Physics (ZAMP), v.36, 1985. pp.338-345.

MILES, JOHN W. Resonantly forced, nonlinear gravity waves in a shallow rectangular tank. Wave Motion, v.7, 1985. pp.291-297.

MILES, JOHN W. Resonantly forced Rossby waves. Journal of Physical Oceanography, v.15, no.4, 1985. pp.467-474.

MILES, JOHN W. Surface waves in basins of variable depth. Journal of Fluid Mechanics, v.152, 1985. pp.379-389.

MILES, JOHN W. On damped resonant interactions. Journal of Physical Oceanography, v.14, no.10, 1984. pp.1677-1678.

MILES, JOHN W. Note on a parametrically excited, trapped cross-wave. Journal of Fluid Mechanics, v.151, 1985. pp.391-394.

MILES, JOHN W. Resonantly forced surface waves in a circular cylinder. Journal of Fluid Mechanics, v.149, 1984. pp.15-31.

MILES, JOHN W. Internally resonant surface waves in a circular cylinder. Journal of Fluid Mechanics, v.149, 1984. pp.1-14.

MILES, JOHN W. Parametrically excited solitary waves. Journal of Fluid Mechanics, v.148, 1984. pp.451-460.

MULLIN, M. M. (with E. R. Brooks, F. M. H. Reid, J. Napp, and E. F. Stewart). Vertical structure of nearshore plankton off Southern California: a storm and a larval fish food web. Fishery Bulletin, v.83, no.2, 1985. pp.151-170.

MUNK, WALTER H. (with Carl Wunsch). Biases and caustics in long-range acoustic tomography. Deep-Sea Research, v.32, no.11, 1985. pp.1317-1346.

NAMIAS, JEROME. Remarks on the potential for long-range forecasting. Bulletin of the American Meteorological Society, v.66, no.2, 1985. pp.165-173.

NAMIAS, JEROME New evidence for relationships between North Pacific atmospheric circulation and El Nino. Tropical Ocean-Atmosphere Newsletter, no.30, 1985.

NAMIAS, JEROME Some empirical evidence for the influence of snow cover on temperature and precipitation. Monthly Weather Review, v.113, no.9, 1985. pp.1542-1553.

NEWMAN, S. (with R. C. Finkel and J. Douglas Macdougall). Comparison of 230Th- 238U disequilibrium systematics in lavas from three hot spot regions: Hawaii, Prince Edward and Samoa. Geochimica et Cosmochimica Acta, v.48, 1984. pp.315- 324.

NEWMAN, S. (with J. Douglas Macdougall and R. C. Finkel). 230Th-238U disequilibrium in island arcs: evidence from the Aleutians and the Marianas. Nature, v.308, no.5956, 1984. pp.268-270.

NEWMAN, WILLIAM A. (with J. S. Killingley). The north-east Pacific intertidal barnacle Pollicipes polymerus in India? A biogeographical enigma elucidated by 18O fractionation in barnacle calcite. Journal of Natural History, v.19, 1985. pp.1191-1196.

NIILER, PEARN P. (with Chester J. Koblinsky). A local time-dependent Sverdrup balance in the Eastern North Pacific Ocean. Science, v.229, 1985. pp.754-756.

NIILER, PEARN P. (with William J. Schmitz and Dong-Kyu Lee). Geostrophic volume transport in high eddy-energy areas of the Kuroshio extension and Gulf Stream. Journal of Physical Oceanography, v.15, no.7, 1985. pp.825-843.

OLTMAN-SHAY, JOAN (with Robert T. Guza). A data-adaptive ocean wave directional- spectrum estimator for pitch and roll type measurements. Journal of Physical Oceanography, v.14, no.11, 1984. pp.1800-1810.

PANOFSKY, H. A. The planetary boundary layer. Advances in Geophysics, v.28B, 1985. pp.359-385.

PARKER, ROBERT L. (with Loren Shure). Gravitational and magnetic fields of some simple solids of revolution. Geophysical Journal of the Royal Astronomical Society, v.80, 1985. pp.631-647.

PENNINGTON, F. C. (with F. T. Haxo, G. Borch and S. Liaaen-Jensen). Carotenoids of Cryptophyceae. Biochemical Systematics and Ecology, v.13, no.3, 1985. pp.215-219.

PERRIN, WILLIAM F. Patterns of geographical variation in small cetaceans. Acta Zoologica Fennica, v.172, 1984. pp.137-140.

PERRIN, WILLIAM F. (with Michael D. Scott, G. Jay Walker, and Virginia L. Cass). Review of geographical stocks of tropical dolphins (Stenella spp. and Delphinus delphis) in the Eastern Pacific. NOAA Technical Report NMFS 28, Springfield, VA., U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, 1985. pp.1-28.

PERRIN, WILLIAM F. The former dolphin fishery at St Helena. International Whaling Commission Report, v.35, 1985. pp.423-428.

PLASSMAN, WOLFGANG. Coding of amplitude-modulated tones in the central auditory system of catfish. Hearing Research, v.17, 1985. pp.209-217.

PODELL, SHEILA B. (with Victor D. Vacquier). Purification of the Mr80,000 and Mr 21,000 proteins of the sea urchin sperm plasma membrane. Journal of Biological Chemistry, v.260, no.5, 1985. pp.2715-2718.

POWELL, M. A. (with G. N. Somero). Sulfide oxidation occurs in the animal tissue of the gutless clam, Solemya reidi. Biological Bulletin, v.169, 1985. pp.164-181.

PRICE, B. A. (with J. S. Killingley and Wolfgang H. Berger). On the pteropod pavement of the Eastern Rio Grande Rise. Marine Geology, v.64, 1985. pp.217-235.

PRIESTLEY, KEITH F. (with James N. Brune and John J. Anderson). surface wave excitation and source mechanisms of the Mammoth Lakes earthquake sequence. Journal of Geophysical Research, v.90, no.B13, 1985. pp.11,177-11,185.

PULLAIAH, K. C. (with R. K. Surapaneni, C. Bheemasankara Rao, Kim F. Albizati, Brian W. Sullivan, D. John Faulkner, He Cun-heng, and Jon Clardy). Dictyoxetane, a novel diterpene from the brown alga Dictyota dichotoma from the Indian Ocean. Journal of Organic Chemistry, v.50, 1985. p.3665.

RAO, C. BHEEMASANKARA (with Ammanamanchi S. R. Anjaneyulu, Nittala S. Sarma, and Yenamandra Venkatateswarlu). Alkaloids from a marine zoanthid. Journal of Organic Chemistry, v.50, 1985. p.3757.

RAO, C. BHEEMASANKARA (with A. S. R. Anjaneyula, N. S. Sarma and Y. Venkatateswarlu). Zoanthamine: a novel alkaloid from a marine zoanthid. Journal of the American Chemical Society, v.106, 1984. p.7893.

REEVES, CHRISTOPHER D. (with Benjamin E. Volcani). Role of silicon in diatom metabolism. Messenger RNA and polypeptide accumulation patterns in synchronized cultures of Cylindrotheca fusiformis. Journal of General Microbiology, v.131, 1985. pp.1735-1744.

REID, FREDA M. H. (with C. B. Lange and M. M. White). Microplankton species assemblages at the Scripps Pier from March to November 1983 during the 1982-1984 El Nino event. Botanica Marina, v.28, 1985. pp.443-452.

REID, JOSEPH L. On the total geostrophic circulation of the South Pacific Ocean: flow patterns, tracers and transports. Progress in Oceanography, v.16, no.1, 1986. pp.1-61.

RIEDEL, WILLIAM R. (with M. Jean Westberg-Smith and Alexis Budai). Late neogene radiolaria and Mediterranean paleoenvironments. In: Geological Evolution of the Mediterranean Basin, edited by Daniel Jean Stanley and Forese-Carlo Wezel. New York, Springer-Verlag, 1985. pp.487-523.

ROADS, JOHN OWEN. Temporal variations in predictability. Journal of the Atmospheric Sciences, v.42, no.9, 1985. pp.884-903.

ROSE, GARY (with Walter Heiligenberg). Structure and function of electrosensory neurons in the torus semicircularis of Eigenmannia: morphological correlates of phase and amplitude sensitivity. The Journal of Neuroscience, v.5, no.8, 1985. pp.2269-2280.

ROSE, GARY (with Walter Heiligenberg). Temporal hyperacuity in the electric sense of fish. Nature, v.318, 1985. pp.178-180.

ROSSER, RICHARD M. (with D. John Faulkner). Two steroidal alkaloids from a marine sponge, Plakina sp. Journal of Organic Chemistry, v.49, 1984. p.5157.

SALMON, RICK New equations for nearly geostrophic flow. Fluid Mechanics, v.153, 1985. pp.461-477.

SANFILIPPO, ANNIKA (with W. R. Riedel, B. P. Glass, and F. T. Kyte). Late Eocene microtektites and radiolarian extinctions on Barbados. Nature, v.314, no.6012, 1985. pp.613-615.

SAUNDERS, JOHN B. (with Daniel Bernoulli, Edith Muller-Merz, Hedi Oberhansli, Katharina Perch-Nielsen, William R. Riedel, Annika Sanfilippo, and Rudolph Torrini, Jr. Stratigraphy of the late middle Eocene to early Olicene in the Bath Cliff section, Barbados, West Indies. Micropaleontology, v.30, no.4, 1984. pp.390-425.

SCULLY-POWER, PAUL (with Robert E. Stevenson). New advances towards ocean, acoustics and space integration. In: Adaptive Methods in Underwater Acoustics, edited by H. G. Urban. Dordrecht, Holland, D. Reidel Publishing Co., 1985. pp.711-729.

SERENO, T. J. (with J. A. Orcutt). Synthetic seismogram modelling of the oceanic Pn phase. Nature, v.316, no.6025, 1985. pp.246-248.

SEYMOUR, RICHARD J. Threshold effects on sediment transport by waves. Journal of Waterway, Port, Coastal and Ocean Engineering, v.111, no.2, 1985. pp.371-387.

SEYMOUR, RICHARD J. (with Meredith H. Sessions and David Castel). Automated remote recording and analysis of coastal data. Journal of Waterway, Port, Coastal and Ocean Engineering, v.111, no.2, 1985. pp.388-400.

SEYMOUR, RICHARD J. (with Choule J. Sonu). Storm waves and shoreline damage on the California coast, winter of 1983. Japanese Journal of Coastal Engineering, 1985. pp.59-64.

SEYMOUR, RICHARD J. Results of cross-shore transport experiments. Journal of Waterway, Port, Coastal and Ocean Engineering, v.112, no.1, 1986. pp.168-173.

SHAW, PETER R. (with John A. Orcutt). Waveform inversion of seismic refraction data and applications to young Pacific crust. Geophysical and Astrophysical Fluid Dynamics, v.82, 1985. pp.375-414.

SHURE, LOREN (with R. L. Parker and R. A. Langel). A preliminary harmonic spline model from magsat data. Journal of Geophysical Research, v.90, no.B13, 1985. pp.11,505-11,512.

SMITH, RAYMOND C. (with K. S. Baker). Spatial and temporal patterns in pigment biomass in Gulf Stream warm-core ring 82B and its environs. Journal of Geophysical Research, v.90, no.C5, 1985. pp.8859-8870.

SOMERVILLE, RICHARD C. J. Cloud optical thickness feedbacks in the CO2 climate problem. Advances in Space Research, v.5, no.6, 1985. pp.209-212.

SOMERVILLE, RICHARD C. J. Planetary wave prediction: benefits of tropical data and global models. In: Proceedings of the first national workshop on the global weather experiment: current achievements and future directions, v.2, part II, 1985. pp.469-472.

SOMERVILLE, RICHARD C. J. Clouds and climate regulation. Nature, v.315, 1985. pp.713-714.

STAUDIGEL, HUBERT (with Pat Doyle and Alan Zindler). Sr and Nd isotope systematics in fish teeth. Earth and Planetary Science Letters, v.76, 1985/86. pp.45-56.

STEWART, JOAN G. (with J. R. Stewart). Marine algae of Guadalupe Island, Mexico, including a checklist. Ciencias Marinas, v.10, no.2, 1984. pp.129-134.

STEWART, ROBERT H. Methods of Satellite Oceanography. Scripps Studies in Earth and Ocean Sciences, no.1. Berkeley, CA., University of California Press, Ltd., 1985. 360p.

STEWART, ROBERT H. Application of remote sensing to physical oceanography. Bulletin Airborne and Satellite Physical and Fishery Oceanography, v.7, 1985. pp.93-96.

SWIFT, JAMES H. The circulation of the Denmark Strait and Iceland-Scotland overflow waters in the North Atlantic. Deep-Sea Research, v.31, no.11, 1984. pp.1339-1355.

TAI, CHANG-KOU (with Pearn P. Niiler). Modeling large-scale instabilities in the Kuroshio Extension. Dynamics of Atmospheres and Oceans, v.9, 1985. pp.359-382.

TALLEY, LYNNE D. Ventilation of the subtropical North Pacific: the shallow salinity minimum. Journal of Physical Oceanography, v.15, no.6, 1985. pp.633-649.

TAUXE, LISA (with M. Monaghan, R. Drake, G. Curtis, and H. Staudigel). Paleomagnetism of miocene East African rift sediments and the calibration of the geomagnetic reversal time scale. Journal of Geophysical Research, v.90, no.B6, 1985. pp.4639-4646.

TEGNER, MIA J. (with R. A. Butler). Drift-tube study of the dispersal potential of green abalone (Haliotis fulgens). larvae in the southern California Bight: implications for recovery of depleted populations. Marine Ecology - Progress Series, v.26, 1985. pp.73-84.

TEGNER, MIA J. (with Robert A. Butler). The survival and mortality of seeded and native red abalones, Haliotis rufescens, on the Palos Verdes Penninsula. California Fish and Game, v.71, no.3, 1985. pp.150-163.

THOMPSON, J. E. (with R. P. Walker and D. J. Faulkner). Screening and bioassays for biologically-active substances from forty marine sponge species from San Diego, California, USA. Marine Biology, v.88, 1985. pp.11-21.

THORNTON, EDWARD B. (with C. S. Wu and Robert T. Guza). Breaking wave design criteria. In: Proceedings of the 19th Coastal Engineering Conference, September 3-7, 1984, Houston, Texas, edited by Billy L. Edge. New York, American Society of Civil Engineers, 1985. pp.31-41.

TSUCHIYA, MIZUKI The subthermocline phosphate distribution and circulation in the far eastern equatorial Pacific Ocean. Deep-Sea Research, v.32, no.3, 1985. pp.299-313.

TSUCHIYA, MIZUKI. Evidence of a double-cell subtropical gyre in the South Atlantic Journal of Marine Research, v.43, 1985. pp.57-65.

TWAY, L. E. (with P. S. Doyle and W. R. Riedel). Correlation of dated and undated Pacific samples based on ichthyoliths and clustering techniques. Micropaleontology, v.31, no.4, 1985. pp.295-319.

VACQUIER, VICTOR The measurement of thermal conductivity of solids with a transient linear heat source on the plane surface of a poorly conducting body. Earth and Planetary Science Letters, v.74, 1985. pp.275-279.

VALLIS, GEOFFREY K. (with John Owen Roads). Large-scale stationary and turbulent flow over topography. Journal of the Atmospheric Sciences, v.41, no.22, 1984. pp.3256-3271.

VENRICK, ELIZABETH L. (with Thomas L. Hayward). Evaluation of some techniques for preserving nutrients in stored seawater samples. California Cooperative Oceanic Fisheries Investigations. Reports, v.26, 1985. pp.160-168.

VINCENT, EDITH (with John S. Killingley and Wolfgang H. Berger). Miocene oxygen and carbon isotope stratigraphy of the tropical Indian Ocean. Geological Society of America, Memoir 163, 1985. pp.103-130.

VINCENT, EDITH (with Wolfgang H. Berger). Carbon dioxide and polar cooling in the Miocene: the Monterey hypothesis. In: The Carbon Cycle and Atmospheric CO2: Natural Variations Archean to Present. Geophysical Monograph 32, edited by E. T. Sundquist and Wallace S. Broecker. Washington, D.C., American Geophysical Union, 1985. pp.455-468.

VINCENT, EDITH Distribution stratigraphique de la teneur en carbonate dans les sediments neogenes et quaternaires de l'ocean Pacifique. Bulletin Societe Geologique De France, ser.8, v.1,no.6, 1985. pp.915-924.

VINCENT, EDITH (with John S. Killingley). Oxygen and carbon isotope record for the early and middle miocene in the central equatorial Pacific (Leg 85). and paleoceanographic implications. In: Initial Reports of the Deep Sea Drilling Project, v. 85, edited by L. Mayer, F. Theyer, et al. Washington, D.C., U.S. Government Printing Office, 1985. pp.749-769.

VOORHIES, COERTE V. (with George E. Backus). Steady flows at the top of the core from geomagnetic field models: the steady motion theorem. Geophysical and Astrophysical Fluid Dynamics, v.32, 1985. pp.163-173.

WALKER, ROGER P. (with J. E. Thompson and D. J. Faulkner). Exudation of biologically-active metabolites in the sponge Aplysina fistularis II. Chemical evidence. Marine Biology, v.88, 1985. pp.27-32.

WALKER, ROGER P. (with Richard M. Rosser and D. John Faulkner). Two new metabolites of the sponge Dysidea amblia and revision of the structure of ambliol B. Journal of Organic Chemistry, v.49, 1984. pp.5160-5163.

WARD, B. B. (with A. F. Carlucci). Marine ammonia- and nitrite-oxidizing bacteria: serological diversity determined by immunofluorescence in culture and in the environment. Applied and Environmental Microbiology, v.50, no.2, 1985. pp.194-201.

WARD, B. B. (with M. C. Talbot and M. J. Perry). Contributions of phytoplankton and nitrifying bacteria to ammonium and nitrite dynamics in coastal waters. Continental Shelf Research, v.3, no.4, 1984. pp.383-398.

WARD, B. B. Light and substrate concentration relationships with marine ammonium assimilation and oxidation rates. Marine Chemistry, v.16, 1985. pp.301-316.

WARD, GARY E. (with Charles J. Brokaw, David L. Garbers, and Victor D. Vacquier). Chemotaxis of Arbacia punctulata spermatozoa to resact, a peptide from the egg jelly layer. Journal of Cell Biology, v.101, 1985. pp.2324-2329.

WARD, GARY E. (with David L. Garbers and Victor D. Vacquier). Effects of extracellular egg factors on sperm guanylate cyclase. Science, v.227, 1985. pp.768-770.

WARNER, M. J. (with R. F. Weiss). Solubilities of chlorofluorocarbons 11 and 12 in water and seawater. Deep-Sea Research, v.32, no.12, 1985. pp. 1485-1497.

WATSON, KENNETH M. Interaction between internal waves and mesoscale flow. Journal of Physical Oceanography, v.15, no.10, 1985. pp.1297-1311.

WATSON, KENNETH M. A model for nonlinear wave interactions. Pure and Applied Geophysics, v.121, no.3, 1983. pp.401-415.

WEBB, SPAHR (with Charles S. Cox). Pressure and electric fluctuations on the deep seafloor: Background noise for seismic detection. Geophysical Research Letters, v.11, no.1, 1984. pp.967-970.

WEISS, RAY F. (with J. L. Bullister, R. H. Gammon, and M. J. Warner). Atmospheric chlorofluoromethanes in the deep equatorial Atlantic. Nature, v.314, no.6012, 1985. pp.608-610.

WESTBERG-SMITH, M. J. (with W. R. Riedel). Radiolarians from the western margin of the Rockall Plateau: Deep Sea Drilling Project Leg 81. In: Initial Reports of the Deep Sea Drilling Project, v.81, edited

by D. G. Roberts, D. Schnitker, et al. Washington, D.C., U.S. Government Printing Office, 1984. pp.479-501.

WHITE, WARREN B. The resonant response of interannual baroclinic rossby waves to wind forcing in the eastern midlatitude North Pacific. Journal of Physical Oceanography, v.15, no.4, 1985. pp.404-415.

WHITE, WARREN B. (with Arthur E. Walker). The influence of the Hawaiian archipelago upon the wind-driven subtropical gyre in the western North Pacific. Journal of Geophysical Research, v.90, no.C7, 1985. pp.7061-7074.

WHITE, WARREN B. (with Gary A. Meyers, Jean Rene Donguy, and Stephen E. Pazan). Short-term climatic variabliity in the thermal structure of the Pacific Ocean during 1979-82. Journal of Physical Oceanography, v.15, no.7, 1985. pp.917-935.

WHITE, WARREN B. (with Stephen E. Pazan and Li Bochang). Processes of short-term climatic variability in the baroclinic structure of the interior western tropical North Pacific. Journal of Physical Oceanography, v.15, no.4, 1985. pp.386-402.

WILLIAMS, P. M. (with G. A. Jackson). Importance of dissolved organic nitrogen and phosphorus to biological nutrient cycling. Deep-Sea Research, v.32, no.2, 1985. pp.223-235.

WILLIAMS, T. M. (with G. L. Kooyman). Swimming performance and hydrodynamic characteristics of harbor seals phoca vitulina. Physiological Zoology, v.58, no.5, 1985. pp.576-589.

WILSON, GEORGE D. F. (with David Thistle). Amuletta, a new genus for Ilyarachna abyssorum Richardson, 1911 (Isopoda: Asellota: Eurycopidae). Journal of Crustacean Biology, v.5, no.2, 1985. pp.350-360.

WILSON, RAYMOND R., JR. (with K. L. Smith, Jr.). Effect of near-bottom currents on detection of bait by the abyssal grenadier fishes Coryphaenoides spp., recorded in situ with a video camera on a free vehicle. Marine Biology, v.84, 1984. pp.83-91.

WILSON, RAYMOND R., JR. Depth-related changes in sagitta morphology in six macrourid fishes of the Pacific and Atlantic Oceans. Copeia, v.4, 1985. pp.1011- 1017.

WILSON, RAYMOND R., JR. (with Kenneth L. Smith, Jr. and Richard H. Rosenblatt). Megafauna associated with bathyal seamounts in the central North Pacific Ocean. Deep-Sea Research, v.32, no.10, 1985. pp.1243-1254.

WORCESTER, PETER F. (with Robert C. Spindel and Bruce M. Howe). Reciprocal acoustic transmissions: instrumentation for mesoscale monitoring of ocean currents. IEEE Journal of Oceanic Engineering, v.OE-10, no.2, 1985. pp.123-137.

WORCESTER, PETER F. (with Douglas A. Peckham, Kevin R. Hardy, and Florence O. Dormer). Avatar: second-generation transceiver electronics for ocean acoustic tomography. In: Oceans 85: Ocean Engineering and the Environment, Conference Record, November 12-14, 1985, San Diego, California, v.1, sponsored by

Marine Technological Society and IEEE Ocean Engineering Society. New York, Institute of Electrical and Electronics Engineers, Inc., 1985. pp.654-662.

WU, CHUNG-SHANG (with Edward B. Thornton). Waves and longshore currents: comparison of a numerical model with field data. Journal of Geophysical Research, v.90, no.C3, 1985. pp.4951-4958.

ZETLER, BERNARD D. (with E. E. Long and L. F. Ku). Tide predictions using satellite constituents. International Hydrographic Review, v.62, no.2, 1985. pp.135-142.

ZETLER, BERNARD D. (with R. E. Flick). Predicted extreme high tides for mixed-tide regimes. Journal of Physical Oceanography, v.15, no.3, 1985. pp.357-359.

ZETLER, BERNARD D. (with Reinhard E. Flick). Predicted extreme high tides for California: 1983-2000. Journal of Waterway, Port, Coastal and Ocean Engineering, v.111, no.4, 1985. pp.758-765.

ZUMBERGE, MARK A. Frequency stability of a Zeeman-stabilized laser. Applied Optics, v.24, 1985. pp.1902-1904.

ABEL, D. C. (with Jeffrey B. Graham, W. R. Lowell and R. Shabetai). Elasmobranch pericardial function. 1. Pericardial pressures are not always negative. Fish Physiology and Biochemistry, v.1, no.2, 1986. pp.75-83.

ADAIR, RICHARD G. (with John A. Orcutt and Thomas H. Jordan). Low-frequency noise observations in the deep ocean. Journal of the Acoustical Society of America, v.80, no.2, 1986. pp.633-645.

AGNEW, D. Strainmeters and tiltmeters. Reviews of Geophysics, v.24, no.3, 1986. pp.579-624.

ALBERTE, R. S. (with L. Cheng and R. A. Lewin). Photosynthetic characteristics of Prochloron sp./ascidian symbioses I. Light and temperature responses of the algal symbiont of Lissoclinum patella. Marine Biology, v.29, 1986. pp.575-587.

ANDERSON, JOHN G. Implication of attenuation for studies of the earthquake source. In: Earthquake Source Mechanics. Geophysical Monograph Series no.37, edited by Maurice Ewing. Washington, D.C., American Geophysical Union, 1986. pp.311-318.

ANDERSON, JOHN G. Seismic strain rates in the central and eastern United States. Bulletin of the Seismological Society of America, v.76, no.1, 1986. pp.273-290.

ARCOS, FERNANDO (with Abraham Fleminger). Distribution of filter-feeding calanoid copepods in the Eastern Equatorial Pacific. California Cooperative Oceanic Fisheries Investigations. Reports, v.27, 1986. pp.170-187.

ARMI, LAURENCE (with D. M. Farmer). Maximal two-layer exchange through a contraction with barotropic net flow. Journal of Fluid Mechanics, v.164, 1986. pp.27-51.

ARMI, LAURENCE The hydraulics of two flowing layers with different densities. Journal of Fluid Mechanics, v.163, 1986. pp.27-58.

BACKUS, GEORGE Poloidal and toroidal fields in geomagnetic field modeling. Reviews of Geophysics, v.24, no.1, 1986. pp.75-109.

BACKUS, GEORGE E. (with Jean-Louis Le Mouel). The region on the core-mantle boundary where a geostrophic velocity field can be determined from frozen-flux magnetic data. Geophysical Journal of the Royal Astronomical Society, v.85, 1986. pp.617-628.

BADGLEY, CATHERINE (with Lisa Tauxe and Fred L. Bookstein). Estimating the error of age interpolation in sedimentary rocks. Nature, v.319, no.6049, 1986. pp.131-141.

BALCH, W. M. Are red tides correlated to spring-neap tidal mixing? Use of a historical record to test mechanisms responsible for dinoflagellate blooms. In: Lecture Notes on Coastal and Estuarine Studies, v.17, Tidal Mixing and Plankton Dynamics, edited by J. Bowman, M. Yentsch and W. T. Peterson. Springer-Verlag Berlin Heidelberg, 1986. pp.193-223.

BALCH, W. M. Exploring the mechanism of ammonium uptake in phytoplankton with an ammonium analogue, methylamine. Marine Biology, v.92, 1986. pp.163-171.

BALCH, W. M. Differences between dinoflagellates and diatoms in the uptake of 36C1-C1O3, an analogue of NO3. In: Toxic Dinoflagellates. Proceedings of the Third International Conference on Toxic Dinoflagellates, June 8-12, 1985, St. Andrews, New Brunswick, Canada, edited by Donald M. Anderson, Allan W. White, and Daniel G. Baden. New York, Elsevier Science Publishing, 1985. pp.121-124.

BARNETT, TIM P. (with John Owen Roads). Stochastic forcing and prediction of low-frequency planetary scale flow. Journal of the Atmospheric Sciences. v.43, no.9, 1986. pp.940-947.

BECK, STEVE (with Robert Pinkel and James Morison). Doppler acoustic velocity profiling in the Arctic. In: Proceedings of the IEEE Third Working Conference on Current Measurement, Airlie, Virginia, January 22-24, edited by Gerald f. Appell and William E. Woodward. New York, Institute of Electrical and Electronics Engineers, 1986. pp.163-168.

BECKER, JANET (with John Miles). Parametric excitation of an internally resonant double pendulum, II. Journal of Applied Mathematics and Physics (ZAMP), v.37, 1986. pp.641-650.

BEERS, JOHN R. (with J. D. Trent, F. M. H. Reid and A. L. Shanks). Macroaggregates and their phytoplanktonic components in the Southern California Bight. Journal of Plankton Research, v.8, no.3, 1986. pp.475-487.

BERTINE, KATHE K. (with T. J. Chow, M. Koide and E. D. Goldberg). Plutonium isotopes in the environment: some existing problems and some new ocean results. Journal of Environmental Radioactivity, v.3, 1986. pp.189-201.

BICKLER, PHILIP E. (with Roger G. Spragg, M. Terry Hartman and Fred N. White). Distribution of ventilation in American alligator Alligator mississippiensis. American Journal of Physiology, v.249, 1986. pp.477-481.

BORN, GEORGE H. (with B. D. Tapley, J. C. Ries and R. H. Stewart). Accurate measurement of mean sea level changes by altimetric satellites. Journal of Geophysical Research, v.91, no.C10, 1986. pp.11,775-11,782.

BRINTON, EDWARD (with Abraham Fleminger and Douglas Siegel-Causey). The temperate and tropical planktonic biotas of the Gulf of California. California Cooperative Oceanic Fisheries Investigations. Reports, v.27, 1986. pp.228-266.

BRISKIN, MADELEINE (with Jon Robins, William R. Riedel and Ron Booker). Magnetic resonance imaging analyses of varved marine sedimentary records of the Gulf of California. Geophysical Research Letters, v.13, no.8, 1986. pp.753-756.

BRUNE, JAMES N. (with D. D. Singh). Continent-like crustal thickness beneath the Bay of Bengal sediments. Bulletin of the Seismological Society of America, v.76, v.1, 1986. pp.191-203.

BRUNE, JAMES N. (with Joe Fletcher, Frank Vernon, Linda Haar, Tom Hanks and Jon Berger). Low stress-drop earthquakes in the light of new data from the Anza, California telemetered digital array. In: Earthquake Source Mechanics. Geophysical Monograph Series no.37, Maurice Ewing Series, v.6, edited by Maurice Ewing. Washington, D.C., American Geophysical Union, 1986. pp.237-245.

BUKRY, DAVID Miocene silicoflagellates from Chatham Rise, Deep Sea Drilling Project Site 594. In: Initial Reports of the Deep Sea Drilling Project, v.90, edited by J. P. Kennet, C. C. von der Borch, et al. Washington, D.C., U.S. Government Printing Office, 1986. pp.925-937.

BULLOCK, THEODORE HOLMES Significance of findings on electroreception for general neurobiology. In: Electroreception, edited by Theodore H. Bullock and Walter F. Heilgenberg. New York, John Wiley and Sons Publishing, 1986. pp.651-674.

BULLOCK, THEODORE HOLMES (with Thomas Szabo). Introduction. In: Electroreception, edited by Dr. Theodore H. Bullock and Walter F. Heilgenberg. New York, John Wiley and Sons Publishing, 1986. pp.1-12.

BULLOCK, THEODORE HOLMES Suggestions for research on ethological and comparative cognition. In: Dolphin Cognition and Behavior. A Comparative Approach, edited by Ronald J. Schusterman, Jeanette A. Thomas, and forrest G. Wood. Hillsdale, New Jersey, Lawrence Erbaum Associates, 1986. pp.207-219.

BULLOCK, THEODORE HOLMES 'Simple' model systems need comparative studies: differences are as important as commonalities. Trends In Neurosciences, v.9, 1986. pp.470-472.

CARLUCCI, A. F. (with S. L. Shrimp and D. B. Craven). Growth characteristics of low-nutrient bacteria from the north-east and central Pacific Ocean. FEMS Microbiology Ecology, v.38, 1986. pp.1-10.

CARLUCCI, A. F. (with D. B. Craven, K. R. Robertson and S. M. Henrichs). Microheterotrophic utilization of dissolved free amino acids in depth profiles of Southern California Borderland basin waters. Oceanologica Acta, v.9, no.1, 1986. pp.89-96.

CARLUCCI, A. F. (with D. B. Craven, K. J. Robertson and P. M. Williams). Surface- film microbial populations: diel amino acid metabolism, carbon utilization, and growth rates. Marine Biology, v.92, 1986. pp.289-297.

CARTE, BRAD (with Michael R. Kernan, Ellen B. Barrabee, D. John Faulkner, Gayle K. Matsumoto and Jon Clardy). Metabolites of the nudibranch Chromodoris funerea and the singlet oxygen oxidation products of furodysin and furodysinin. Journal of Organic Chemistry, v.51, no.18, 1986. pp.3528-3532.

CARTE, BRAD (with D. John Faulkner). Role of secondary metabolites in feeding associations between a predatory nudibranch, two grazing nudibranchs, and a bryozoan. Journal of Chemical Ecology, v.12, no.3, 1986. pp.795-804.

CHEN, YA-QU The vertical distribution of some pelagic copepods in the eastern tropical Pacific. California Cooperative Oceanic Fisheries Investigations. Reports, v.27, 1986. pp.205-227.

CHENG, LANNA (with H.-Ch. John and P. Re). Northeastern range of Halobates micans (Heteroptera, Gerrida) in the Atlantic Ocean. Meeresforschung, v.31, no.2, 1986. pp.137-140.

CHENG, LANNA Insects of the reef. In: Proceedings of the Fifth International Coral Reef Congress, May 27-June 1, 1985, Tahiti, v.5, Miscellaneous Papers(A). Moorea, French Polynesia, Antenne Museum- Ephe, 1985. pp.263-265.

CHERTOCK, BETH (with Richard C. J. Somerville). Oceanic cloud feedbacks on earth radiation budget parameters. In: Sixth Conference on Atmospheric Radiation, May 13-16, Williamsburg, VA. Baltimore, American Meteorological Society, 1986. pp.255-258.

CLARK, DENNIS K. (with Nancy G. Maynard). Coastal zone color scanner imagery of phytoplankton pigment distribution in Icelandic waters. In: Ocean Optics VIII, Proceedings of SPIE-The International Society for Optical Engineering, v.637. Bellingham, WA., Society of Photo-Optical Instrumentation Engineers, 1986. pp.350-357.

CODISPOTI, L. A. (with G. E. Friederich, T. T. Packard, H. E. Glover, P. J. Kelly, R. W. Spinrad, R. T. Barber, J. W. Elkins, B. B. Ward, F. Lipschultz and N. Lostaunau). High nitrite levels off northern Peru: a signal of instability in the marine denitrification rate. Science, v.233, 1986. pp.1200-1202.

COX, CHARLES S. (with S. C. Constable, A. D. Chave and S. C. Webb). Controlled-source electromagnetic sounding of the oceanic lithosphere. Nature, v.320, no.6057, 1986. pp.52-54.

CRAVEN, D. B. (with R. A. Jahnke and A. F. Carlucci). Fine-scale vertical distributions of microbial biomass and activity in California Borderland sediments. Deep-Sea Research, v.33, no.3, 1986. pp.379-390.

DE MOUSTIER, C. Approaches to acoustic backscattering measurements from the deep seafloor. In: Current Practices and New Technology in Ocean Engineering, Symposium presented at the Ninth Annual Energy-Sources Technology Conference and Exhibition, New Orleans, Louisiana, February 23-27, 1986. Ocean Engineering Division, v.11, edited by T. McGuinness and H. H. Shih. New York, American Society of Mechanical Engineers, 1986. pp.137-143.

DE MOUSTIER, CHRISTIAN Beyond bathymetry: mapping acoustic backscattering from the deep seafloor with Sea Beam. Journal of the Acoustical Society of America, v.79, no.2, 1986. pp.316-331.

DE MOUSTIER, CHRISTIAN (with Martin C. Kleinrock). Bathymetric artifacts in Sea Beam data: how to recognize them and what causes them. Journal of Geophysical Research, v.91, no.B3, 1986. pp.3407-3424.

DE MOUSTIER, CHRISTIAN Inference of manganese nodule coverage from Sea Beam acoustic backscattering data. Geophysics, v.50, no.6, 1986. pp.989-1001.

DRABEK, CHARLES M. (with Gerald L. Kooyman). Bronchial morphometry of the upper conductive zones of four odontocete cetaceans. In: Research on Dolphins, edited by M. M. Bryden and Richard Harrison. Oxford, Clarendon Press, 1986. pp.109- 127.

ECKERT, SCOTT A. (with David W. Nellis, Karen L. Eckert and Gerald L. Kooyman). Diving patterns of two leatherback sea turtles (Dermochelys coriacea). during internesting intervals at Sandy Point, St. Croix, U. S. Virgin Islands. Herpetologica, v.42, no.3, 1986. pp.381-388.

EDWARDS, R. N. (with A. D. Chave). A transient electric dipole-dipole method for mapping the conductivity of the sea floor. Geophysics, v.51, no.4, 1986. pp.984-987.

ELGAR, STEVE (with Robert T. Guza). Nonlinear model predictions of bispectra of shoaling surface gravity waves. Journal of Fluid Mechanics, v. 167, 1986. pp.1-8.

ELGAR, STEVE (with Robert T. Guza). Observations of bispectra of shoaling surface gravity waves. Journal of Fluid Mechanics, v.161, 1985. pp.425-448.

FARMER, D. M. (with L. Armi). Maximal two-layer exchange over a sill and through the combination of a sill and contraction with barotropic flow. Journal of Fluid Mechanics, v.164, 1986. pp.53-76.

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.1, 1986. pp.1-33.

FISHER, ROBERT L. (with H. J. B. Dick, J. H. Natland and P. S. Meyer). Mafic/ultramafic suites of the slowly spreading southwest Indian Ridge: PROTEA exploration of the Antarctic plate boundary, 24 E-47 E, 1984. Ofioliti, v.11, no.2, 1986. pp.146-178.

FLICK, REINHARD E. A review of conditions associated with high sea levels in Southern California. Science of the Total Environment, v.55, 1986. pp.251-259.

FRIEHE, CARL A. (with Robert C. Beardsley, Clinton D. Winant and Jerome P. Dean). Intercomparison of aircraft and surface buoy meteorological data during CODE-1. Journal of Atmospheric and Oceanic Technology, v.1, no.1, 1984. pp.79-86.

FROUIN, ROBERT (with C. Gautier). Calibration of GOES-5 and GOES-6 VISSR/VAS short-wavelength channels. In: Proceedings of the 3rd International Colloquium on Spectral Signatures of Objects in Remote Sensing, December 16-20, 1985. European Space Agency SP-247, Les Arcs, France, edited by G. Guyot. Paris, European Space Agency, 1985. pp.327-333.

FUHRMAN, J. A. (with Richard W. Eppley, Ake Hagstrom and Farooq Azam). Diel variations in bacterioplankton, phytoplankton, and related parameters in the Southern California Bight. Marine Ecology, v.27, 1985. pp.9-20.

GAUTIER, CATHERINE (with R. Frouin). Downward long-wave irradiance at the ocean surface using satellite data. In: Proceedings of the 3rd International Colloquium on Spectral Signatures of Objects in Remote Sensing, December 16-20, 1985. European Space Agency SP- 247, Les Arcs, France, edited by G. Guyot. Paris, European Space Agency, 1985. pp.371-374.

GAUTIER, CATHERINE (with Robert Frouin). Variability of the daily net (shortwave and longwave). radiative flux at the ocean surface during MILDEX. In: Sixth Conference on Atmosphere Radiation, May 13-16, 1986, Williamsburg, VA. Boston, American Meteorological Society, 1986. pp.268-272.

GAUTIER, CATHERINE Evolution of the net surface shortwave radiation over the Indian Ocean during summer MONEX (1979): a satellite description. Monthly Weather Review, v.114, no.3, 1986. pp.525-533.

GAUTIER, CATHERINE (with R. Frouin). Satellite-derived ocean surface radiation fluxes. In: Advances in Remote Sensing Retrieval Methods, edited by Adarsh Deepak, Henry E. Fleming, and Moustafa T. Chahine. Virginia, A. Deepak Publishing, 1985. pp.311-321.

GENIN, AMATZIA (with Paul K. Dayton, Peter F. Lonsdale and Fred N. Spiess). Corals on seamount peaks provide evidence of current acceleration over deep-sea topography. Nature, v.322, no.6074, 1986. pp.59-61.

GENTRY, ROGER L. (with Gerald L. Kooyman). Fur Seals: Maternal Strategies on Land and at Sea, edited by Roger L. Gentry and Gerald L. Kooyman. Princeton, Princeton University Press, 1986. pp.1-264.

GLOWACKI, J. (with K. A. Cox, J. O'Sullivan, D. Wilkie and L. J. Deftos). Osteoclasts can be induced in fish having an acellular bony skeleton. Proceedings of the National Academy of Sciences, v.83, 1986. pp.4104-4107.

GOLDBERG, EDWARD D. (with Vern Hodge, Peter Kay, Martha Stallard and Minoru Koide). Some comparative marine chemistries of platinum and iridium. Applied Geochemistry, v.1, 1986. pp.227-232.

GOLDBERG, EDWARD D. The assimilative capacity of the oceans for wastes. In: Strategies and Advanced Techniques for Marine Pollution Studies: Mediterranean Sea, NATO ASI Series, G: Ecological Sciences, v. G9, edited by C. S. Giam and H. J.-M. Dou. Berlin, Springer-Verlag, 1986. pp.1-8.

GOLDBERG, EDWARD D. TBT: an environmental dilemma. Environment, v.28, no.8, 1986. pp.17-22.

GOLDBERG, EDWARD D. The mussel watch concept. Environmental Monitoring and Assessment. v.7, 1986. pp.91-103.

GOLDBERG, EDWARD D. Black carbon in the environment: records of historic and prehistoric burning. In: Dating Young Sediments. Proceedings of the workshop Beijing, People's Republic of China, September, 1985, edited by A. J. Hurford, E. Jager, and J. A. M. Ten Cate. Bangkok, Thailand, Co-ordinating Committee for Offshore Prospecting Technical Secretariat, 1986. pp.127-137.

GOLDBERG, EDWARD D. Uranium series disequilibrium techniques for dating quaternary sediments. In: Dating Young Sediments. Proceedings of the workshop Beijing, People's Republic of China, September, 1985, edited by A. J. Hurford, E. Jager, and J. A. M. Ten Cate. Bangkok, Thailand, Co-ordinating Committee for Offshore Prospecting Technical Secretariat, 1986. pp.47-58.

GOLDBERG, EDWARD D. Acceptable environmental change from waste disposal. In: The Role of the Oceans as a Waste Disposal Option. NATO, Series C: Mathematical and Physical Sciences, v.172, edited by G. Kullenberg. Dordrecht, Holland, D. Reidel Publishing, 1986. pp.19-26.

GRAHAM, JEFFREY B. (with Richard H. Rosenblatt and Darcy L. Gibson). Morphology and possible swimming mode of a yellowfin tuna, Thunnus albacares, lacking one pectoral fin. Fishery Bulletin, v.84, no.2, 1986. pp.463-469.

GRAY, D. A. (with H. T. Hammel and E. Simon). Osmoregulatory effects of angiotensin II in a bird with salt glands (Anas platyrhynchos). Journal of Comparative Physiology B, v.156, 1986. pp.315-321.

HAMMEL, H. T. Liquid A as solution of polymers: internal tensions and other thermodynamic properties. Physics and Chemistry of Liquids, v.16, 1986. pp.13-38.

HAMMEL, H. T. Is heat production during arousal enhanced by positive feedback? In Living in the Cold: Physiological and Biochemical Adaptations. Proceedings of the Seventh International Symposium on Natural Mammalian Hibernation, held October 6-11, 1985, at the Stanford University Conference Center, Fallen Leaf Lake, CA., edited by H. Craig Heller, X. J. Musacchia, and Lawrence C. H. Wang. New York, Elsevier Science Publishing, 1986. pp.201-205.

HAMMEL, H. T. Solubility and enhanced tension of solute in solution. Physics and Chemistry of Liquids, v.15, 1986. pp.185-202.

HAMMEL, H. T. (with A. R. Hargens). Mechanism of osmosis: Hulett's versus Lewis' view of altered solvent in solution. In: Frontiers in Biomechanics, edited by G. W. Schmid-Schonbein, S. L-Y Woo and B. W. Zweifach. New York, Springer-Verlag, 1986. pp.142-149.

HARDY, ALASTAIR C. (with L. Cheng). Studies in the distribution of insects by aerial currents. III. Insect drift over the sea. Ecological Entomology, v.11, 1986. pp.283-290.

HATHAWAY, DAVID H. (with Richard C. J. Somerville). Nonlinear interactions between convection, rotation and flows with vertical shear. Journal of Fluid Mechanics, v.164, 1986. pp.91-105.

HAURY, L. R. (with James J. Simpson, Jose Pelaez, Chester J. Koblinsky and David Wiesenhahn). Biological consequences of a recurrent eddy off Point Conception, California. Journal of Geophysical Research, v.91, no.C11, 1986. pp.12,937- 12,956.

HESSLER, ROBERT R. Swimming in Crustacea. Transactions of the Royal Society of Edinburgh, v.76, 1985. pp.115-122.

HILDEBRAND, JOHN A. (with H. Staudigel). Seamount magnetic polarity and Cretaceous volcanism of the Pacific Basin. Geology, v.14, 1986. pp.456-458.

HILDEBRAND, JOHN A. Thermoacoustic generation in anisotropic media. Journal of the Acoustical Society of America, v.79, no.5, 1986. pp.1457-1460.

HODGE, VERN (with Martha Stallard, Minoru Koide and Edward Goldberg). Determination of Platinum and Iridium in Marine Waters, Sediments, and Organisms. Analytical Chemistry, v. 58, n.3, 1986. pp.616-620.

HODGKISS, W. S. (with V. C. Anderson, G. L. Edmonds, J. C. Nickles and R. L. Culver). A freely drifting infrasonic sensor system. In: IEEE Proceedings of the Fourth Working Symposium on Oceanographic Data Systems, February 4-6, 1986, San Diego, CA, v. CH2269-9. New York, Institute of Electrical and Electronics Engineers, 1986. pp.79-84.

HODGKISS, W. S. (with D. S. Hansen). Application of autoregressive models to the doppler sonar problem. In: Maximum-Entropy and Bayesian Methods in Inverse Problems, edited by C. Ray Smith and W. T. Grandy, Jr. Dordrecht, Holland, D. Reidel Publishing Co., 1985. pp.413-427.

HODGKISS, W. S. (with Dimitri Alexandrou). An adaptive algorithm for array processing. IEEE Transactions on Antennas and Propagation, v.AP-34, no.3, 1986. pp.454-458.

HONG, KEELUNG (with Victor D. Vacquier). Fusion of liposomes induced by a cationic protein from the acrosome granule of abalone spermatozoa. Biochemistry, v.25, 1986. pp.543-549.

HUBER, MICHAEL E. (with William G. Wright and Ralph A. Lewin). Divalent cations and flagellar autotomy in Chlamydomonas reinhardtii (Volvocales, Chlorophyta). Phycologia, v.25, no.3, 1986. pp.408-411.

HUBER, MICHAEL E. (with Ralph A. Lewin). An electrophoretic survey of the genus Tetraselmis (Chlorophyta, Prasinophyceae). Phycologia, v.25, no.2, 1986. pp.205-209.

JACKSON, GEORGE A. Interaction of physical and biological processes in the settlement of planktonic larvae. Bulletin of Marine Science, v.39, no.2, 1986. pp.202-212.

JOYCE, TERRENCE M. (with Bruce A. Warren and Lynne D. Talley). The geothermal heating of the abyssal subarctic Pacific Ocean. Deep-Sea Research, v.33, no.8, 1986. pp.1003-1015.

KOIDE, MINORU (with Martha Stallard, Vern Hodge, and E. D. Goldberg). Preliminary studies on the marine chemistry of ruthenium. Netherlands Journal of Sea Research, v.20, 1986. pp.163-166.

KOIKE, ISAO (with Osmund Holm-Hansen and Douglas C. Biggs). Inorganic nitrogen metabolism by Antarctic phytoplankton with special reference to ammonium cycling. Marine Ecology - Progress Series, v.30, 1986. pp.105-116.

LAL, D. On the study of continental erosion rates and cycles using cosmogenic 10Be and 26Al and other isotopes. In: Dating Young Sediments, Proceedings of the Workshop Beijing, People's Republic of China, September, 1985, edited by A. J. Hurford, E. Jager, and J. A. M. Ten Cate. Bankok, Thailand, Co-ordinating Committee for Offshore Prospecting Technical Secretariat, 1986. pp.285-298.

LARGE, W. G. (with J. C. McWilliams and Pearn P. Niiler). Upper ocean thermal response to strong autumnal forcing of the Northeast Pacific. Journal of Physical Oceanography, v.16, no.9, 1986. pp.1524-1550.

LEWIN, RALPH A. (with L. Cheng). Ecology of Prochloron, a symbiotic alga in ascidians of coral reef areas. In: Proceedings of the Fifth International Coral Congress, Tahiti, May 27-June 1, 1995, v.6, Miscellaneous Papers (B). Moores, French Polynesia, Antenne Museum-Ephe, 1985. pp.95-101.

LINICK, T. W. (with H. E. Suess and Bernd Becker). La Jolla measurements of radiocarbon in South German oak tree-ring chronologies. Radiocarbon, v.27, no.1, 1985. pp.20-32.

LLUCH-BELDA, DANIEL (with Francisco J. Magallon and Richard A. Schwartzlose). Large fluctuations in the sardine fishery in the Gulf of California: possible causes. California Cooperative Oceanic Fisheries Investigations. Reports, v.27, 1986. pp.136-140.

LUDWIG, JAMES RICHARD (with Benjamin E. Volcani). A molecular biology approach to understanding silicon metabolism in diatoms. In: Biomineralization in Lower Plants and Animals. The Systematic Association, special volume, no.30, edited by Barry S. C. Leadbeater and Robert Riding. Oxford, Clarendon Press, 1986. pp.315-325.

MANKER, DENISE C. (with D. John Faulkner). Metabolites of Siphonaria maura from Costa Rica. Journal of Organic Chemistry, v.51, no.6, 1986. pp.814-816.

MAYNARD, NANCY G. Coastal zone color scanner imagery in the marginal ice zone. Marine Technology Society Journal, v.20, no.2, 1986. pp.14-27.

MCCLAIN, JAMES S. (with John A. Orcutt and Mark Burnett). The East Pacific Rise in cross section: a seismic model. Journal of Geophysical Research, v.90, no.B10, 1985. pp.8627-8639.

MEAD, GREGORY A. (with Lisa Tauxe and John L. LaBrecque). Oligocene paleoceanography of the South Atlantic: paleoclimatic implications of sediment accumulation rates and magnetic susceptibility measurements. Paleoceanography, v.1, no.3, 1986. pp.273-284.

MILES, JOHN W. A note on the three-particle lattice and the Henon-Heiles problem. Journal of Applied Mathematics, v.46, no.4, 1986. pp.545-551.

MILES, JOHN W. Richardson's criterion for the stability of stratified shear flow. Physics of Fluids, v.29, no.10, 1986. pp.3470-3471.

MILES, JOHN W. Resonant amplification of gravity waves over a circular still. Journal of Fluid Mechanics, v.167, 1986. pp.169-179.

MILES, JOHN W. On tidal damping in Laplace's global ocean. Journal of Physical Oceanography, v.16, no.2, 1986. pp.377-381.

MILES, JOHN W. Stationary, transcritical channel flow. Journal of Fluid Mechanics, v.162, 1986. pp.489-499.

MOLINSKI, TADEUSZ F. (with D. John Faulkner, He Cun-heng, Gregory D. Van Duyne, and Jon Clardy). Three new rearranged spongian diterpenes from Chromodoris macfarlandi: reappraisal of the structures of dendrillolides A and B. Journal of Organic Chemistry, v.51, no.24, 1986. pp.4564-4567.

MOLINSKI, TADEUSZ F. (with D. John Faulkner). Aromatic norditerpenes from the nudibranch Chromodoris macfarlandi. Journal of Organic Chemistry, v.51, no.13, 1986. pp.2601-2603.

MOLINSKI, TADEUSZ F. (with D. John Faulkner). 6,7, 178-Trihydroxy-15, 17- oxidospongian- 16-one 7-butyrate: a new diterpene lactone from an Australian Aplysilla species. Journal of Organic Chemistry, v.51, no.7, 1986. pp.1144- 1146.

MONTGOMERY, DONALD R. (with Ruth E. Wittenberg-Fay and Roswell W. Austin). The applications of satellite-derived ocean color products to commercial fishing operations. Marine Technology Society Journal, v.20, no.2, 1986. pp.72-86.

MULLINEAUX, LAUREN S. (with M. J. Westberg-Smith). Radiolarians as paleoceanographic indicators in the Miocene Monterey Formation, Upper Newport Bay, California. Micropaleontology, v.32, no.1, 1986. pp.48-71.

MUNK, WALTER H. Acoustic monitoring of ocean gyres. Journal of Fluid Mechanics, v.173, 1986. pp.43-53.

NAMIAS, JEROME Persistence of flow patterns over North America and adjacent ocean sectors. Monthly Weather Review, v.114, no.7, 1986. pp.1368-1383.

NAMIAS, JEROME Some empirical evidence for the influence of snow cover on temperature and precipitation. Monthly Weather Review, v.113, no.9, 1985. pp.1543-1553.

NEORI, A. (with M. Vernet, O. Holm-Hansen and F. T. Haxo). Relationship between action spectra for chlorophyll a fluorescence and photosynthetic O2 evolution in algae. Journal of Plankton Research, v.8, no.3, 1986. pp.537-548.

NEWMAN, WILLIAM A. Origin of the Hawaiian marine fauna: dispersal and vicariance as indicated by barnacles and other organisms. In: Crustacean Biogeography, edited by Robert H. Gore & Kenneth L. Heck. Rotterdam Netherlands, A.A. Balkema, 1986. pp.21-49.

NEWMAN, WILLIAM A. The abyssal hydrothermal vent. Intertebrate fauna: a glimpse of antiquity? Biological Society of Washington Bulletin, no.6, 1985. pp.231-242.

NISHIIZUMI, K. (with D. Lal, J. Klein, R. Middleton and J. R. Arnold). Production of 10Be and 26Al by cosmic rays in terrestrial quartz in situ and implications for erosion rates. Nature, v.319, no.6049, 1986. pp.134-136.

NORTH, WHEELER J. (with George A. Jackson and Steven L. Manley). Macrocystis and its environment, knowns and unknowns. Aquatic Botany, v.26, 1986. pp.9-26.

NYSTUEN, JEFFREY A. Rainfall measurements using underwater ambient noise. Journal of the Acoustical Society of America, v.79, no.4, 1986. pp.972-982.

PARKER, ROBERT L. Comment concerning 'On the Frechet differentiability of the one-dimensional magnetotellurics problem' by John MacBain. Geophysical Journal of the Royal Astronomical Society of London, v.86, 1986. p.673.

PARKER, ROBERT L. Harmonic splines in geomagnetism. Contemporary Mathematics, v.59, 1986. pp.63-76.

PAWLIK, JOSEPH R. Chemical induction of larval settlement and metamorphosis in the reef-building tube worm Phragmatopoma californica (Sabellariidae: Polychaeta). Marine Biology, v.91, 1986. pp.59-68.

PAWLIK, JOSEPH R. (with D. John Faulkner). Specific free fatty acids induce larval settlement and metamorphosis of the reef-building tube worm Phragmatopoma californica (Fewkes). Journal of Experimental Marine Biology and Ecology, v.102, 1986. pp.301-310.

PAWLIK, JOSEPH R. (with Kim F. Albizati and D. John Faulkner). Evidence of a defensive role for limatulone, a novel triterpene from the intertidal limpet Collisella limatula. Marine Ecology, v.30, 1986. pp.251-260.

PAZAN, STEPHEN E. (with Warren B. White, Masamichi Inque and James J. O'Brien). Off-equatorial influence upon Pacific equatorial dynamic height variability during the 1982-1983 El Nino/Southern Oscillation event. Journal of Geophysical Research, v.91, no.C7, 1986. pp.8437-8449.

PORTER, DONALD C. (with Victor D. Vacquier). Phosphorylation of sperm histone H1 is induced by the egg jelly layer in the sea urchin Strongylocentrotus purpuratus. Developmental Biology, v.116, 1986. pp.203-212.

POWELL, MARK A. (with George N. Somero). Hydrogen sulfide oxidation is coupled to oxidative phosphorylation in mitochondria of Solemya reidi. Science, v.233, 1986. pp.563-566.

PRIESTLEY, KEITH F. Source mechanism of the September 19, 1985 Michoacan earthquake and its implications. Geophysical Research Letters, v.13, no.6, 1986. pp.601-604.

PROVOST, CHRISTINE (with Rick Salmon). A variational method for inverting hydrographic data. Journal of Marine Research, v.44, no.1, 1986. pp.1-34.

RAO, C. BHEEMASANKARA (with K. C. Pullaiah and R. K. Surapaneni). The diterpenes of Dictyota dichotoma from the Indian Ocean. Journal of Organic Chemistry, v.51, no.14, 1986. pp.2736-2742.

REID, JOSEPH L. On the total geostrophic circulation of the South Pacific Ocean: flow patterns, tracers and transports. Progress in Oceanography, v.16, no.1, 1986. pp.1-61.

REID, JOSEPH L. (with Eric Shulenberger). Oxygen saturation and carbon uptake near 28 N, 155 W. Deep-Sea Research, v.33, no.2, 1986. pp.267-271.

RIEDEL, WILLIAM R. (with Annika Sanfilippo). Morphological characters for a natural classification of Cenozoic radiolaria, reflecting phylogenies. Marine Micropaleontology, v.11, 1986. pp.151-170.

RIEDEL, WILLIAM R. (with Annika Sanfilippo). Radiolarian events and the Eocene-Oligocene boundary. In: Terminal Eocene Events. Developments in Palaeontology and Stratigraphy, no.9, edited by Ch. Pomerol and I. Premoli-Silva. New York, Elsevier Science Publishers, 1986. pp.253-257.

RITZWOLLER, MICHAEL (with T. G. Masters and Freeman Gilbert). Observations of anomalous splitting and their interpretation in terms of aspherical structure. Journal of Geophysical Research, v.91, no.B10, 1986. pp.10,203-10,228.

ROADS, JOHN OWEN Forecasts of time averages with a numerical weather prediction model. Journal of the Atmospheric Sciences, v.43, no.9, 1986. pp.871-892.

RODRIGUEZ, JAIME (with Michael M. Mullin). Relation between biomass and body weight of plankton in a steady state oceanic ecosystem. Limnology and Oceanography, v.3, no.2, 1986. pp.361-370.

RODRIGUEZ, JAIME (with Michael M. Mullin). Diel and interannual variation of size distribution of oceanic zooplanktonic biomass. Ecology, v.67, no.1, 1986. pp.215-222.

ROSE, GARY (with Walter Heiligenberg). Neural coding of difference frequencies in the midbrain of the electric fish Eigenmannia: reading the sense of rotation in an amplitude-phase plane. Journal of Comparative Physiology A, v.158, 1986. pp.613-624.

SAKSHAUG, EGIL (with Osmund Holm-Hansen). Photoadaptation in Antarctic phytoplankton: variations in growth rate, chemical composition and P versus I curves. Journal of Plankton Research, v.8, no.3, 1986. pp.459-473.

SALMON, RICK A simplified linear ocean circulation theory. Journal of Marine Research, v.44, no.4, 1986. pp.695-711.

SANTELICES, BERNABE (with Joan G. Stewart). Pacific Species of gelidium lamouroux and other gelidiales (rhodophyta), with keys and descriptions to the common or economically important species. In: Taxonomy of Economic Seaweeds: With Reference to Some Pacific and Caribbean Species. Sea Grant Report (La Jolla, Calif.), no.T-CSGCP-011, edited by Isabella A. Abbott and James N. Norris. La Jolla, CA., California Sea Grant College, 1985. pp.17-31

SCHWEITZER, JEFF (with Giuseppe Notarbartolo-Di-Sciara). The rete mirabile cranica in the genus Mobula: a comparative study. Journal of Morphology, v.188, 1986. pp.167-178.

SCHWEITZER, JEFF Functional organization of the electroreceptive midbrain in an elasmobranch (Platyrhinoidis triseriata). Journal of Comparative Physiology A, v.158, 1986. pp.43-58.

SCHWEITZER, JEFF The neural basis of electroreception in elasmobranchs. In: Indo-Pacific Fish Biology: Proceedings of the Second International Conference on Indo-Pacific Fishes, edited by Teruya Uyeno, Ryoichi Arai, Toru Taniuchi and Keiichi Matsuura. Tokyo, The Ichthyological Society of Japan, 1986. pp.392-407.

SERENO, THOMAS (with John Orcutt). Synthesis of realistic oceanic Pn wave trains. Journal of Geophysical Research, v.90, no.B14, 1985. pp.12,755-12,776.

SERENO, THOMAS (with John Orcutt). The propagation of Pn. In: Ocean Seismic- Acoustics: Low-Frequency Underwater Acoustics. NATO Series, no.4, Marine Science, v.16, edited by Tuncay Akal and Jonathan M.Berkson. New York, Plenum Publishing, 1986. pp.579-587.

SEYMOUR, RICHARD J. Results of cross-shore transport experiments. Journal of Waterway, Port, Coastal and Ocean Engineering, v.112, no.1, 1986. pp.168-173.

SHANG, E. C. (with V. C. Anderson). Surface-generated noise under low wind speed at kilohertz frequencies. Journal of the Acoustical Society of America, v.79, no.4, 1986. pp.964-971.

SIMPSON, JAMES J. (with Chester J. Koblinsky, Jose Pelaez, Loren R. Haury and David Wiesenhahn). Temperature-plant pigment-optical relations in a recurrent offshore mesoscale eddy near Point Conception, California. Journal of Geophysical Research, v.91, no.C11, 1986. pp.12,919-12,936.

SMITH, JEROME Short surface waves with growth and dissipation. Journal of Geophysical Research, v.91, no.C2, 1986. pp.2616-2632.

SNIDER, L. J (with B. R. Burnett and R. R. Hessler). The composition and distribution of meiofauna and nanobiota in a central North Pacific deep-sea area. Deep-Sea Research, v.31, no.10, 1986. pp.1225-1249.

SPIESS, FRED N. Analysis of a possible sea floor strain measurement system. Marine Geodesy, v.9, no.4, 1985. pp.385-398.

SPIESS, FRED N. Suboceanic geodetic measurements. IEEE Transactions on Geoscience and Remote Sensing, v.GE-23, no.4, 1985.

SPYERS-DURAN, PAUL A. (with Clinton D. Winant). Comparison of sea surface temperatures obtained from an aircraft using remote and direct sensing techniques. Journal of Atmospheric and Oceanic Technology, v.2, no.4, 1985. pp.667-671.

STARK, PHILIP B. (with Robert L. Parker, G. Masters, and John A. Orcutt). Strict bounds on seismic velocity in the spherical Earth. Journal of Geophysical Research, v.91, no.B14, 1986. pp.13,892-13,902.

STAUDIGEL, HUBERT (with A. Zindler, S. R. Hart, T. Leslie, C.-Y. Chen and D. Clague). The isotope systematics of a juvenile intraplate volcano: Pb, Nd, and Sr isotope ratios of basalts from Loihi Seamount, Hawaii. Earth and Planetary Science Letters, v.69, 1984. pp.13-29.

STAUDIGEL, HUBERT (with G. Feraud and G. Giannerini). The history of intrusive activity on the island of La Palma (Canary Islands). Journal of Volcanology and Geothermal Research, v.27, 1986. pp.299-322.

STAUDIGEL, HUBERT (with G. Feraud and G. Giannerini). The history of intrusive activity on the island of La Palma (Canary Islands). Journal of Volcanology and Geothermal Research, v.27, 1986. pp.299-322.

STAUDIGEL, HUBERT (with Hans-Ulrich Schmincke). The Pliocene seamount series of La Palma/Canary Islands. Journal of Geophysical Research, v.89, no.B13, 1984. pp.11,195-11,215.

STAUDIGEL, HUBERT (with Stanley R. Hart). Dating of ocean crust hydrothermal alteration: strontium isotope ratios from hole 504B carbonates and a reinterpretation of Sr isotope data from deep sea drilling project sites 105, 332, 417, and 418. In: Initial Reports of the Deep Sea Drilling Project, v.83, edited by R. N. Anderson, J. Honnorez, K. Becker, et al. Washington, D.C., U.S. Government Printing Office, 1985. pp.297-303.

STAUDIGEL, HUBERT (with K. Gillis and R. Duncan). K/Ar and Rb/Sr ages of celadonites from the Troodos ophiolite, Cyprus. Geology, v.14, 1986. pp.72-75.

STAUDIGEL, HUBERT (with Miriam Kastner and Anne Sturz). 18O and 87Sr/86Sr of calcites from the basaltic basement of Deep Sea Drilling Project site 597: timing and temperature of alteration. In: Initial Reports of the Deep Sea Drilling Project, v.92, edited by M. Leinen, D. K. Rea, et al. Washington, D.C., U.S. Government Printing Office, 1986. pp.499-503.

STAUDIGEL, HUBERT (with K. Gillis and R. Duncan). K/Ar and Rb/Sr ages of celadonites from the Troodos ophiolite, Cyprus. Geology, v.14, 1986. pp.72-75.

STIFFLER, DANIEL F. (with Jeffrey B. Graham, Kathryn A. Dickson and Wieland Stockmann). Cutaneous ion transport in the freshwater teleost synbranchus marmoratus. Physiological Zoology, v.59, no.4, 1986. pp.406-418.

SUESS, HANS E. Secular variations of cosmogenic 14C on Earth: their discovery and interpretation. Radiocarbon, v.28, no.2A, 1986. pp.259-265.

SULLIVAN, BRIAN W. (with D. John Faulkner, Gayle K. Matsumoto, He Cun-heng and Jon Clardy). Metabolites of the burrowing sponge Siphonodictyon coralliphagum. Journal of Organic Chemistry, v.51, no.24, 1986. pp.4568-4573.

TALLEY, LYNNE D. (with Roland A. DeSzoeke). Spatial fluctuations north of the Hawaiian Ridge. Journal of Physical Oceanography, v.16, no.5, 1986. pp.981-984.

THOMAS, WILLIAM H. (with D. L. R. Seibert, M. Alden and P. Eldridge). Cultural requirements, yields, and light utilization efficiencies of some desert saline microalgae. In: Algal Biomass technologies: An interdisciplinary Perspective. Proceedings of a Workshop on the Present Status and Future Directions for Biotechnologies Based on Algal Biomass Production, April 5-7, 1984, University of Colorado, Boulder. Beihefte zur Nova Hedwigia, Heft 83, edited by William R. Barclay and Robins P. McIntosh. Berlin, J. Cramer, 1986. pp.60-69.

THORNTON, EDWARD B. (with Robert T. Guza). Surf zone longshore currents and random waves: field data and models. Journal of Physical Oceanography, v.16, no.7, 1986. pp.1165-1178.

TREES, CHARLES C. (with Robert R. Bidigare and James M. Brooks). Distribution of chlorophylls and phaeopigments in the Northwestern Atlantic Ocean. Journal of Plankton Research, v.8, no.3, 1986. pp.447-458.

TRIMMER, JAMES S. (with Robert W. Schackmann and Victor D. Vacquier). Monoclonal antibodies increase intracellular Ca2+ in sea urchin spermatozoa. Proceedings of the National Academy of Sciences, v.83, 1986. pp.9055-9059.

TRIMMER, JAMES S. (with Victor D. Vacquier). Activation of sea urchin gametes. Annual Review of Cell Biology, v.2, 1986. pp.1-26.

TSUCHIYA, MIZUKI Thermostads and circulation in the upper layer of the Atlantic Ocean. Progress in Oceanography, v.16, 1986. pp.235-267.

VACQUIER, VICTOR D. (with Gary W. Moy). Stoichiometry of phosphate loss from sea urchin sperm guanylate cyclase during fertilization. Biochemical and Biophysical Research Communications, v.137, no.3, 1986. pp.1148-1152.

VACQUIER, VICTOR D. Activation of sea urchin spermatozoa during fertilization. Trends in Biochemical Sciences, v.11, no.2, 1986. pp.77-81.

VACQUIER, VICTOR D. Handling, labeling, and fractionating sea urchin spermatozoa. Methods in Cell Biology, v.27, 1986. pp.15-38.

VENRICK, ELIZABETH L. The Smirnov statistic: an incorrect test for vertical distribution patterns. Deep-Sea Research, v.33, no.9, 1986. pp.1275-1277.

VON BARTHELD, C. S. (with D. L. Meyer). Trigeminal and facial innervation of cirri in three teleost species. Cell Tissue Research, v.241, 1985. pp.615-622.

VON BARTHELD, C. S. (with D. L. Meyer). Tracing of single fibers of the nervous terminalis in the goldfish brain. Cell Tissue Research, v.245, 1986. pp.143-158.

WARD, GARY E. (with Gary W. Moy and Victor D. Vacquier). Phosphorylation of membrane-bound guanylate cyclase of sea urchin spermatozoa. Journal of Cell Biology, v.103, 1986. pp.95-101.

WARD, GARY E. (with Gary W. Moy and Victor D. Vacquier). Dephosphorylation of sea urchin sperm guanylate cyclase during fertilization. In: The Molecular and Cellular Biology of Fertilization. Advances in Experimental Medicine and Biology, v.207, edited by Jerry L. Hedrick. New York, Plenum Press, 1986. pp.359-382.

WATSON, KENNETH M. Persistence of a pattern of surface gravity waves. Journal of Geophysical Research, v.91, no.C2, 1986. pp.2607-2615.

WEBER, ROY E. (with Fred N. White). Oxygen binding in alligator blood related to temperature, diving, and "alkaline tide." American Journal of Physiology, v.251, 1986. pp.R901-R908.

WEBER, ROY E. (with Martha E. Heath and Fred N. White). Oxygen binding functions of blood and hemoglobin from the Chinese pangolin, Manis pentadactyla: possible implications of burrowing and low body temperature. Respiration Physiology, v.64, 1986. pp.103-112.

WEINSTEIN, YITZHAK (with Ralph A. Ackerman and Fred N. White). Influence of the temperature on the CO2 dissociation curve of the turtle Pseudemys scripta. Respiration Physiology, v.63, 1986. pp.53-63.

WEINSTEIN, YITZHAK (with Ralph Ackerman and Fred White). Influence of temperature on the CO2 dissociation curve of the turtle pseudemys scripta. Respiration Physiology. v.63, 1986. pp.53-63.

WEYDERT, MARCO M. P. Measurements of the acoustic backscatter of manganese nodules. Journal of the Acoustical Society of America, v.78, no.6, 1985. pp.2115-2121.

WHITE, F. N. Acid-base homeostasis and temperature. In: Paediatric Cardiology, no.6, edited by Carlo Marcelletti, Robert H. Anderson, Anton E. Becker, Antonio Corno, Duccio di Carlo, and Ennio Mazzera. Edinburgh, Churchill Livingstone, 1986. pp.31-38.

WHITE, F. N. (with P. Bickler and M. Yacoe). Gas exchange in intermittently breathing turtles. In: Circulation, Respiration, and Metabolism: Current Comparative Approaches, edited by R. Gilles. New York, Springer-Verlag, 1985. pp.139-148.

WHITE, F. N. Role of intracardiac shunts in pulmonary gas exchange in Chelonian reptiles. In: Cardiovascular Shunts: Phylogenetic, Ontogenetic, and Clinical Aspects. Proceedings of the Alfred Benzon Symposium 21 held at the premises of the Royal Danish Academy of Sciences and Letters, Copenhagen, June 17-21, 1984, edited by Kjell Johansen and Warren Burggren. Copenhagen, Munksgaard International Publishers, 1985. pp.296-309l.

WHITE, WARREN B. (with Andrew Bennett). Eddy heat flux in the subtropical North Pacific. Journal of Physical Oceanography. v.16, no.4, 1986. pp.728-740.

WHITE, WARREN B. (with Youhai He). Interannual variability in the heat content of the Kuroshio Extension associated with the 1982 ENSO event. Journal of Physical Oceanography, v.16, no.2, 1986. pp.309-321.

WHITE, WARREN B. Vertical Reynolds stress divergence in the upper ocean associated with linear wind-driven, near-inertial waves of finite wavelength. Journal of Physical Oceanography, v.16, no.7, 1986. pp.1190-1203.

WILLIAMS, P. M. (with A. F. Carlucci, S. M. Henrichs, E. S. Van Vleet, S. G. Horrigan, F. M. H. Reid and K. J. Robertson). Chemical and microbiological studies of sea-surface films in the southern Gulf of California and off the west coast of Baja California. Marine Chemistry, v.19, 1986. pp.17-98.

WILLIAMS, P. M. The chemical composition of the sea-surface microlayer and its relation to the occurrence and formation of natural sea-surface films. In: U.S. Office of Naval Research, London Workshop Proceedings-Role of Surfactant Films on the Interfacial Properties of the Sea Surface, November 21, 1986, edited by Frank L. Herr and Jerome Williams. London, U.S. Office of Naval Research, 1986. pp.79-110.

WILSON, GEORGE D. Evolution of the female cuticular organ in the Asellota (Crustacea, Isopoda). Journal of Morphology, v.190, 1986. pp.297-305.

WILSON, GEORGE D. Pseudojaniridae (Crustacea: Isopoda), a new family for Pseudojanira Stenetrioides Barnard, 1925, a species intermediate between the asellote superfamilies Stenetrioidea and Janiroidea. Proceedings of the Biological Society of Washington, v.99, no.2, 1986. pp.350-358.

WINANT, CLINTON D. Longshore coherence of currents on the Southern California shelf during the summer. Journal of Physical Oceanography, v.13, no.1, 1983. pp.54-64.

WOODS, DAVID L. (with Sam H. Ridgway, Donald A. Carder and Theodore H. Bullock). Middle- and long-latency auditory event-related potentials in dolphins. In: Dolphin Cognition and Behavior: A Comparative Approach, edited by Ronald J. Schusterman, Jeanette A. Thomas and Forrest G. Wood. Hillsdale, New Jersey, Lawrence Erlbaum Associates, 1986. pp.61-77.

WORNER, G. (with H. Staudigel and A. Zindler). Isotopic constraints on open system evolution of the Laacher See magma chamber (Eifel, West Germany). Earth and Planetary Science Letters, v.75, 1985. pp.37-49.

WORNER, G. (with A. Zindler, H. Staudigal, and H.-U. Schmincke). Sr, Nd, and Pb isotope geochemistry of tertiary and quaternary alkaline volcanics from West Germany. Earth and Planetary Science Letters, v.79, 1986. pp.107-119.

ZABRISKIE, T. MARK (with James A. Klocke, Chris M. Ireland, Andrew H. Marcus, Tadeusz F. Molinski, D. John Faulkner, Changfu Xu and Jon C. Clardy). Jaspamide, a modified peptide from a Jaspis sponge, with insecticidal and antifungal activity. Journal of the American Chemical Society, v.108. pp.3123-3124.

ZETLER, BERNARD D. "Arctic tides" by Rollin A. Harris (1911). revisited. Eos, v.67, no.7, 1986. pp.73-75.

ZINDLER, ALAN (with H. Staudigel and Rodney Batiza). Isotope and trace element geochemistry of young Pacific seamounts: implications for the scale of upper mantle heterogeneity. Earth and Planetary Science Letters, v.70, 1984. pp.175- 195.

ZMARZLY, D. L. (with R. A. Lewin). Cation requirements for autotomy or retention of flagella by the marine alga Tetraselmis subcordiformis (Wille). Hazen (Prasinophyceae, Chlorophyta). Phycologia, v.25, no.4, 1986. pp.575-579.

ZUMBERGE, MARK A. (with G. Sasagawa and M. Kappus). Absolute gravity measurements in California. Journal of Geophysical Research, v.91, no.B9, 1986. pp.9135- 9144.

ABEL, D. C. (with W. R. Lowell, Jeffrey B. Graham, and R. Shabetai). Elasmobranch pericardial function 2. The influence of pericardial pressure on cardiac stroke volume in horn sharks and blue sharks. Fish Physiology and Biochemistry, v.4, no.1, 1987. pp.5-14.

ADAIR, RICHARD G. (with Michael M. Harris, John A. Orcutt, and Thomas H. Jordan). Description and performance of the marine seismic system during the Ngendei Experiment. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.335-344.

ADAIR, RICHARD G. (with John A. Orcutt and Thomas H. Jordan). Preliminary analysis of ocean-bottom and sub-bottom microseismic noise during the Ngendei Experiment. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.357-375.

ALBIZATI, KIM F. (with T. Holman, D. J. Faulkner, K. B. Glaser, and R. S. Jacobs). Luffariellolide, an anti-inflammatory sesterterpene from the marine sponge Luffariella sp. Experientia, v.43, 1987. pp.949-950.

ALEXANDROU, DIMITRI Boundary reverberation rejection via constrained adaptive beamforming. Journal of the Acoustical Society of America, v.82, no.4, 1987. pp.1274-1290.

AMMERMAN, JAMES W. (with Farooq Azam). Notes - Characteristics of cyclic AMP transport by marine bacteria. Applied and Environmental Microbiology, v.53, no.12, 1987. pp.2963-2966.

ANDERSON, JOHN G. (with Paul Bodin). Earthquake recurrence models and historical seismicity in the Mexicali-Imperial Valley. Bulletin of the Seismological Society of America, v.77, no.2, 1987. pp.562-578.

AREF, H. (with M. Gharib and C. W. Van Atta). Chaos in shear flows. In: American Institute of Aeronautics and Astronautics 19th Fluid Dynamics, Plasma Dynamics and Lasers Conference, June 8-10, 1987, Honolulu, Hawaii, 1987. New York, American Institute of Aeronautics and Astronautics. pp.1-4.

AREF, H. (with S. Balachandar). Chaotic advection in a Stokes flow. Physics of Fluids, v.29, no.11, 1986. pp.3515-3521.

AREF, H. (with Scott W. Jones and Gretar Tryggvason). On Lagrangian aspects of flow simulation. Complex Systems, v.1, 1987. pp.545-558.

AREF, H. Finger, bubble, tendril, spike - an essay on the morphology and dynamics of interfaces in fluid. Fluid Dynamics Transactions, v.13, 1987. pp.25-54.

AREF, H. The numerical experiment in fluid mechanics. Journal of Fluid Mechanics, v.173, 1986. pp.15-41.

ARRHENIUS, GUSTAF The first 800 million years: environmental models for early earth. Earth, Moon, and Planets, v.37, 1987. pp.187-199.

BACKUS, GEORGE E. (with R. H. Estes, D. Chinn and R. A. Langel). Comparing the jerk with other global models of the geomagnetic field from 1960 to 1978. Journal of Geophysical Research, v.92, no.B5, 1987. pp.3615-3622.

BALCH, WILLIAM M. Studies of nitrate transport by marine phytoplankton using 36Cl-ClO3 - as a transport analogue. I. Physiological findings. Journal of Phycology, v.23, 1987. pp.107-118.

BALCH, WILLIAM M. (with Chris Garside and Edward H. Renger). Studies of nitrate transport by marine phytoplankton using 36Cl-ClO3 as a transport analogue - II. Field observations. Deep-Sea Research, v.34, no.2, 1987. pp.221-236.

BASCOM, WILLARD Pre-design ocean outfall studies. Water Science Technology, v.18, no.11, 1986. pp.105-110.

BASCOM, WILLARD Waste disposal in the sea off southern California. Water Science Technology, v.18, no.11, 1986. pp.1-9.

BEARDSLEY, R. C. (with C. E. Dorman, C. A. Friehe, L. K. Rosenfeld, and C. D. Winant). Local atmospheric forcing during the coastal ocean dynamics experiment 1. a description of the marine boundary

layer and atmospheric conditions over a northern California upwelling regin. Journal of Geophysical Research, v.92, C2, 1987. pp.1467-1488.

BERGER, WOLFGANG H. (with J. S. Killingley and E. Vincent). Time scale of the Wisconsin/Holocene transition: oxygen isotope record in the western equatorial Pacific. Quaternary Research, v.28, 1987. pp.295-306.

BERGER, WOLFGANG H. (with L. D. Labeyrie). Abrupt climatic change - an introduction. In: Abrupt Climatic Change - Evidence and Implications, edited by W. H. Berger and L. D. Labeyrie. D. Reidel, Dordrecht, 1987. pp.3-22.

BERGER, WOLFGANG H. Ocean ventilation during the last 12,000 years: hypothesis of counterpoint deep water production. Marine Geology, v.78, 1987. pp.1-10.

BERGER, WOLFGANG H. (with S. Burke and E. Vincent). Glacial-Holocene transition: climate pulsations and sporadic shutdown of NADW production. In: Abrupt Climatic Change: Evidence and Implications. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.216, edited by W. H. Berger and L. D. Labeyrie. Dordrecht, Netherlands, D. Reidel Publishing, 1987. pp.279-297.

BERGER, WOLFGANG H. (with L. A. Mayer). Cenozoic paleoceanography 1986: an introduction. Paleoceanography, v.2, no.6, 1987. pp.613-623.

BLECKMANN, H. (with T. H. Bullock and J. M. Jorgensen). The lateral line mechanoreceptive mesencephalic, diencephalic, and telencephalic regions in the thornback ray, Platyrhinoidis triseriata (Elasmobranchii). Journal of Comparative Physiology A, v.161, 1987. pp.67-84.

BLOOMER, SHERMAN H. (with R. L. Fisher). Petrology and geochemistry of igneous rocks from the Tonga Trench - a non-accreting plate boundary. Journal of Geology, v.95, 1987. pp.469-495.

BOLTOVSKOY, DEMETRIO (with William R. Riedel). Polycystine radiolaria of the California Current region: seasonal and geographic patterns. Marine Micropaleontology, v.12, 1987. pp.65-104.

BRADNER, HUGH (with M. Bartlett, G. Blackinton, J. Clem, D. Karl, J. Learned, A. Lewitus, S. Matsuno, D. O'Connor, W. Peatman, M. Reichle, C. Roos, J. Waters, M. Webster, and M. Yarbrough). Bioluminescence profile in the deep Pacific Ocean. Deep-Sea Research, v.34, no.11, 1987. pp.1831-1839.

BRAY, N. A. Salinity calculation techniques for separately digitized fast response and platinum resistance CTD temperature sensors. Deep-Sea Research, v.34, no.4, 1987. pp.627-632.

BRINTON, EDWARD (with Valerie J. Loeb, Michael C. Macaulay, and Eric Shulenberger). Variability of Euphausia superba populations near Elephant Island and the South Shetlands: 1981 vs. 1984. Polar Biology, v.7, 1987. pp.345-362.

BRINTON, EDWARD (with Joseph L. Reid). On the effects of interannual variations in circulation and temperature upon the euphausiids of the California Current. In: Pelagic Biogeography. Proceedings of an International Conference, The Netherlands, May 29-June 5, 1985. UNESCO Technical Papers in Marine

Science, v.49, edited by A. C. Pierrot-Bults, S. van der Spoel, B. J. Zahuranec, and R. K. Johnson. Paris, United Nations Educational Scientific and Cultural Organization, 1986. pp.25-34.

BROECKER, WALLACE S. (with James R. Ledwell, Taro Takahashi, Ray Weiss, Bernd Jahne, and Karl Otto Munnich). Isotopic versus micrometeorologic ocean CO2 fluxes: a serious conflict. Journal of Geophysical Research, v.91, no.C9, 1986. pp.10,517-10,527.

BROWN, WENDELL S. (with James D. Irish and Clinton D. Winant). A description of subtidal pressure field observations on the northern California continental shelf during the Coastal Ocean Dynamics Experiment. Journal of Geophysical Research, v.92, no.C2, 1987. pp.1605-1635.

BUKRY, DAVID North Atlantic quaternary silicoflagellates, Deep Sea Drilling Project Leg 94. In: Initial Reports of the Deep Sea Drilling Project, v.94, edited by W. F. Ruddiman, R. B. Kidd, E. Thomas, et al. Washington D. C., U. S. Government Printing Office, 1987. pp.779-783.

BUKRY, DAVID Eocene siliceous and calcareous phytoplankton, Deep Sea Drilling Project Leg 95. In: Initial Reports of the Deep Sea Drilling Project, v.95, edited by C. W. Poag, A. B. Watts, et al. Washington D. C., U. S. Government Printing Office, 1987. pp.395-415.

BULLOCK, THEODORE HOLMES Interspecific comparison of brainstem auditory evoked potentials and frequency following responses among vertebrate classes. In: Evoked Potentials. Frontiers of Clinical Neuroscience, v.3, edited by Roger Q. Cracco and Ivan Bodis-Wollner. New York, Alan R. Liss, Inc., 1986. pp.155-164.

BULLOCK, THEODORE HOLMES Some principles in the brain analysis of important signals: mapping and stimulus recognition. Brain, Behavior and Evolution, v.28, 1986. pp.145-156.

CARLUCCI, A. F. (with S. L. Shimp and D. B. Craven). Bacterial response to labile dissolved organic matter increases associated with marine discontinuities. FEMS Microbiology Ecology, v.45, 1987. pp.211-220.

CARNEVALE, GEORGE F. (with Jorgen S. Frederiksen). Nonlinear stability and statistical mechanics of flow over topography. Journal of Fluid Mechanics, v.175, 1987. pp.157-181.

CHAVE, ALAN D. (with David J. Thomson and Mark E. Ander). On the robust estimation of power spectra, coherences, and transfer functions. Journal of Geophysical Research, v.92, no.B1, 1987. pp.633-648.

CONSTABLE, CATHERINE G. (with L. Tauxe). Palaeointensity in the pelagic realm: marine sediment data compared with archaeomagnetic and lake sediment records. Geophysical and Astrophysical Fluid Dynamics, v.90, 1987. pp.43-59.

CONSTABLE, STEVEN C. (with Robert L.Parker and Catherine G. Constable). Occam's inversion: a practical algorithm for generating smooth models from electromagnetic sounding data. Geophysics, v.52, no.3, 1987. pp.289-300.

DAVIS, RUSS E. Modeling eddy transport of passive tracers. Journal of Marine Research, v.45, 1987. pp.635-666.

DELCROIX, THIERRY (with Catherine Gautier). Estimates of heat content variations from sea level measurements in the central and western tropical Pacific from 1979-1985. Journal of Physical Oceanography, v.17, no.6, 1987. pp.725-734.

DE MOUSTIER, C. (with F. V. Pavlicek). A fully transportable Sea Beam complex acoustic data acquisition system. Offshore Technology Conference Proceedings, v.3, 1987. pp.269-274.

DETRICK, R. S. (with P. Buhl, E. Vera, J. Mutter, J. Orcutt, J. Madsen, and T. Brocher). Multi-channel seismic imaging of a crustal magma chamber along the East Pacific Rise. Nature, v.326, no.6108, 1987. pp.35-41.

DICKSON, ANDREW G. Standardization of the (AgCl+1/2H2 = Ag+HCl). cell from 273.15 to 318.15 Ka. Journal of Chemical Thermodynamics, v.19, 1987. pp.993-1000.

ENRIGHT, JAMES T. Perspective vergence: oculomotor responses to line drawings. Vision Research, v.27, no.9, 1987. pp.1513-1526.

FILLOUX, JEAN H. Instrumentation and experimental methods for oceanic studies. Geomagnetism, v.1, 1987. pp.143-248.

FISHER, FREDERICK H. (with R. A. Harriss). Sea-test performance of a unique connector-less hydrophone array. In: Current Practices and New Technology in Ocean Engineering, 1987, Ocean Engineering Division, vol.12, presented at the Tenth Annual Energy-Sources Technology Conference and Exhibition, Dallas, Texas, February 15- 18, 1987, edited by George K. Wolfe. New York, American Society of Mechanical Engineers, 1987. pp.143-147

FLEMINGER, ABRAHAM, (with K. Hulsemann). Geographical variation in Calanus helgolandicus s.l. (Copepoda, Calanoida). and evidence of recent speciation of the Black Sea population. Biological Oceanography, v.5, 1987. pp.43-81.

FLEMINGER, ABRAHAM The Pleistocene equatorial barrier between the Indian and Pacific Oceans and a likely cause for Wallace's line. In: Pelagic Biogeography. Proceedings of an International Conference, The Netherlands, May 29-June 5, 1985. UNESCO Technical Papers in Marine Science, v.49, edited by A. C. Pierrot-Bults, S. van der Spoel, B. J. Zahuranec, and R. K. Johnson. Paris, United Nations Educational Scientific and Cultural Organization, 1986. pp.84-97

FOSS, PER (with Ralph A. Lewin and Synnove Liaaen-Jensen). The carotenoids of Prochloron sp. (Prochlorophyta). Phycologia, v.26, no.1, 1987. pp.142-144.

FOSTER, BRIAN (with W. A. Newman). Chthamalid barnacles of Easter Island; peripheral Pacific isolation of Notochthamalinae new subfamily and Hembeli-group of Euraphiinae (Cirripedia: Chthamaloidea). Bulletin of Marine Science, v.41, no.2, 1987. pp.322-336.

FROUIN, ROBERT (with Catherine Gautier). Calibration of NOAA-7 AVHRR, GOES-5, and GOES-6 VISSR/VAS solar channels. Remote Sensing of Environment, v.22, 1987. pp.73-101.

GAUTIER, CATHERINE Net radiative flux at the earth surface: estimation from satellite observations. In: Centre National D'Etudes Spatiales. Climatology and Space Observations. Toulouse, France, Cepadues-Editions, 1987. pp.371-382

GAUTIER, CATHERINE (with Mark Anderson). Satellite-derived Indian Ocean precipitation activity during summer MONEX (May-June-July 1979). In: 17th Conference on Hurricanes and Tropical Meteorology, April 7-10, 1987, Miami, Florida. Boston, American Meteorological Society, 1987. pp.359-362

GAUTIER, CATHERINE Satellite estimations of the solar radiation flux at the surface. In: Centre National D'Etudes Spatiales. Climatology and Space Observations. Toulouse, France, Cepadues-Editions, 1987. pp.383-405

GAUTIER, CATHERINE Radiative processes affecting ocean mixed-layer heat content and their monitoring from satellite. In: Dynamics of the Oceanic Surface Mixed Layer. Proceedings of the Aha Hulikoa Hawaiian Winter Workshop, University of Hawaii at Manoa, January 14-16, 1987, edited by Peter Muller and Diane Henderson. Honolulu, Hawaii, Hawaii Institute of Geophysics, 1987 pp.229-247

GIESKES, JORIS M. (with J. R. Lawrence, E. A. Perry, S. J. Grady, and H. Elderfield). Chemistry of interstitial waters and sediments in the Norwegian- Greenland Sea, Deep Sea Drilling Project Leg 38. Chemical Geology, v.163, 1987. pp.143-155.

GOLDBERG, EDWARD D. Comparative chemistry of the platinum and other heavy metals in the marine environment. Pure and Applied Chemistry, v.59, no.4, 1987. pp.565-571.

GRAHAM, JEFFREY B. (with J. H. Gee, J. Motta, and I. Rubinoff). Subsurface buoyancy regulation by the sea snake Pelamis platurus. Physiological Zoology, v.60, no.2, 1987. pp.251-261.

GRAHAM, JEFFREY B. (with William R. Lowell, Ira Rubinoff, and Jorge Motta). Surface and subsurface swimming of the sea snake Pelamis platurus. Journal of Experimental Biology, v.127, 1987. pp.27-44.

GRAHAM, JEFFREY B. (with Troy A. Baird and Wieland Stockmann). The transition to air breathing in fishes IV. Impact of branchial specializations for air breathing on the aquatic respiratory mechanisms and ventilatory costs of the swamp eel Synbranchus marmoratus. Journal of Experimental Biology, v.129, 1987. pp.83-106.

GRYGIER, MARK J. Crustacea Ascothoracida. Memoires du Museum National d'Histoire Naturelle, Series A, Zoologie, 133, 1985. pp.417-426

GUZA, ROBERT T. (with Edward B. Thornton and N. Christensen, Jr.). Observations of steady longshore currents in the surf zone. Journal of Physical Oceanography, v.16, no.11, 1986. pp.1959-1969.

HAMMEL, H. T. The Hullett-Dixon paradigm of solute pressure. Advances in Microcirculation, v.13, 1987. pp.82-94.

HAXO, FRANCIS T. (with Ralph A. Lewin, Kit W. Lee, and Ming-Ren Li). Fine structure and pigments of Oscillatoria (Trichodesmium). aff. thiebautii (Cyanophyta) in culture. Phycologia, v.26, no.4, 1987. pp.443-456.

HAYWARD, THOMAS L. Variability in production and the role of disturbance in two pelagic ecosystems. In: Pelagic Biogeography. Proceedings of an International Conference, The Netherlands, May 29-June 5, 1985. UNESCO Technical Papers in Marine Science, v.49, edited by A. C. Pierrot-Bults, S. van der Spoel, B. J. Zahuranec, and R. K. Johnson. Paris, United Nations Educational Scientific and Cultural Organization, 1986. pp.133-140

HAYWARD, THOMAS L. The nutrient distribution and primary production in the central North Pacific. Deep-Sea Research, v.34, no.9, 1987. pp.1593-1627.

HE, YOUHAI (with Warren B. White). Interannual variability of the Kuroshio frontal structure along its western boundary in the North Pacific Ocean associated with the 1982 ENSO event. Journal of Physical Oceanography, v.17, no.9, 1987. pp.1494-1506.

HEMMINGSEN, EDVARD A. (with Barbara B. Hemmingsen, Jan O. Owe, and Harald T. Andersen). Lack of bubble formulation in hypobarically decompressed cells. Aviation, Space, and Environmental Medicine, 1987. pp.742-746.

HICKS, D. MURRAY (with Douglas L. Inman). Sand dispersion from an ephimeral river delta on the Central California coast. Marine Geology, v.77, 1987. pp.305-318.

HILDEBRAND, JOHN A. (with Robert L. Parker). Paleomagnetism of Cretaceous Pacific seamounts revisited. Journal of Geophysical Research, v.92, no.B12, 1987. pp.12,695-12,712.

HODGKISS, W. S. (with D. Almagor). An eigenvalue/eigenvector interpretation of surface reverberation rejection performance. In: ICASSP 87, Proceedings of the International Conference on Acoustics, Speech, and Signal Processing, April 6-9, 1987, Registry Hotel, Dallas, Texas. New York, Institute of Electrical and Electronics Engineers, 1987. pp.2027-2030

HOWE, BRUCE M. (with Peter F. Worcester and Robert C. Spindel). Ocean acoustic tomography: mesoscale velocity. Journal of Geophysical Research, v.92, no.C4, 1987. pp.3785-3805.

HOWE, BRUCE M. Multiple receivers in single vertical slice ocean acoustic tomography experiments. Journal of Geophysical Research, v.92, no.C9, 1987. pp.9479-9486.

HUBER, MICHAEL E. (with Ralph A. Lewin). Ethanol-induced flagellar autotomy in Dunaliella tertiolecta Butcher (Chlorophyta: Valvocales). Phycologia, v.26, no.1, 1987. pp.138-141.

HUNTLEY, MARK E. (with P. Ciminiello and M. D. G. Lopez). Importance of food quality in determining development and survival of Calanus pacificus (Copepoda: Calanoida). Marine Biology, v.95, 1987. pp.103-113.

HUNTLEY, MARK E. (with Kurt Tande and Hans C. Eilertsen). On the trophic fate of Phaeocystis pouchetii (Hariot). II. Grazing rates of Calanus hyperboreus (Kroyer). on diatoms and different size categories of Phaeocystis pouchetii. Journal of Experimental Marine Biology and Ecology, v.110, 1987. pp.197-212.

HUNTLEY, MARK E. (with Victor Marin and Florence Escritor). Zooplankton grazers as transformers of ocean optics: a dynamic model. Journal of Marine Research, v.45, 1987. pp.911-945.

INMAN, DOUGLAS L. (with Scott A. Jenkins). Budget of sediments for estuarine harbors. In: Sedimentation Control to Reduce Maintenance Dredging of Navigational Facilities in Estuaries. Report and Symposium Proceedings. Committee on Sedimentation Control to Reduce Maintenance Dredging in Estuaries, Marine Board, Commission on Engineering and Technical Systems, National Research Council. Washington, D. C., National Academy Press, 1987. pp.328-337

INMAN, DOUGLAS L. Accretion and erosion waves on beaches. Shore and Beach, 1987. pp.61-66.

INOUE, MASAMICHI (with James J. O'Brien, Warren B. White, and Stephen E. Pazan). Interannual variability in the tropical Pacific for the period 1979-1982. Journal of Geophysical Research, v.92, no.C11, 1987. pp.11,671-11,679.

JACKSON, GEORGE A. Modelling the growth and harvest yield of the giant kelp Macrocystis pyrifera. Marine Biology, v.95, 1987. pp.611-624.

JACKSON, GEORGE A. Physical and chemical properties of aquatic environments. In: Ecology of Microbial Communities. Forty-first Symposium of the Society for General Microbiology, University of St. Andrews, 1987, edited by M. Fletcher, T. R. G. Gray, and J. G. Jones. New York, Cambridge University Press, 1987. pp.213-233

JACKSON, GEORGE A. Simulating chemosensory responses of marine microorganisms. Limnology and Oceanography, v.32, no.6, 1987. pp.1253-1266.

JAHNKE, RICHARD A. (with George A. Jackson). Role of sea floor organisms in oxygen consumption in the deep North Pacific Ocean. Nature, v.329, no.6140, 1987. pp.621-623.

JORDAN, THOMAS H. (with H. W. Menard, James H. Natland, and John Orcutt). Introduction: objectives and results of Deep Sea Drilling Project Leg 91 and the Ngendei Seismic Experiment, and explanatory notes for volume 91. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, James H. Natland, and John Orcutt. Washington, D. C., U. S. Government Printing Office, 1987. pp.185-203.

JORGENSEN, J. MORUP (with Theodore H. Bullock). Organization of the ampullary organs of the African knife fish Xenomystus nigri (Teleostei: Notopteridae). Journal of Neurocytology, v.16, 1987. pp.311-315.

KASE, R. H. (with H. Bleckmann). Prey localization by surface wave ray-tracing: fish track bugs like oceanographers track storms. Experientia, v.43, 1987. pp.290-293.

KERNAN, MICHAEL R. (with D. John Faulkner). The luffariellins, novel antiinflammatory sesterterpenes of chemotaxonomic importance from the marine sponge Luffariella variabilis. The Journal of Organic Chemistry, v.52, 1987. pp.3081-3083.

KERNAN, MICHAEL R. (with D. John Faulkner). Halichondramide, an antifungal macrolide from the sponge Halichondria sp. Tetrahedron Letters, v.28, no.25, 1987. pp.2809-2812.

KIM, ISAAC I. (with Deborah K. Smith, H. William Menard, John A. Orcutt, and Thomas H. Jordan). Seismic reflection site survey: correlation with physical properties, Leg 91, Deep Sea Drilling Project. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.271-305.

KOIDE, MINORU (with V. F. Hodge, J. S. Yang, M. Stallard, E. G. Goldberg, J. Calhoun, and K. K. Bertine). Some comparative marine chemistries of rhenium, gold, silver and molybdenum. Applied Geochemistry, v.1, 1986. pp.705-714.

KOIDE, MINORU (with Vern Hodge, Jae S. Yang, and Edward D. Goldberg). Determination of rhenium in marine waters and sediments by graphite furnace atomic absorption spectrometry. Analytical Chemistry, v.59, 1987. pp.1802-1805.

KOOYMAN, GERALD L. (with R. W. Davis). Diving behavior and performance, with special reference to penguins. In: Seabirds: Feeding Biology and Role in Marine Ecosystems, edited by J. P. Croxall. New York, Cambridge University Press, 1987. pp.63-75

KOOYMAN, GERALD L. Free diving in vertebrates: common denominators. In: Comparative Physiology of Environmental Adaptations, vol.2. Eighth Conference of the European Society for Comparative Physiology and Biochemistry, Strasbourg, France, August 31-September 2, 1986, edited by Pierre Dejours. New York, S. Karger, 1987. pp.27-37

KOOYMAN, GERALD L. A reappraisal of diving physiology: seals and penguins. In: Comparative Physiology: Life in Water and on Land. Fidia Research Series, v.9, edited by P. Dejours, L. Bolis, C. R. Taylor, and E. R. Weibel. Padova, Italy, Liviana Press, 1987. pp.459-469

LAI, N. CHIN (with Jeffrey B. Graham, William R. Lowell, and R. Michael Laurs). Pericardial and vascular pressures and blood flow in the albacore tuna, Thunnus alalunga. Experimental Biology, v.46, 1987. pp.187-192.

LAL, D. Production of 3He in terrestrial rocks. Chemical Geology, v.66, 1987. pp.89-98.

LAL, D. (with K. Nishiizumi, J. Klein, R. Middleton, and H. Craig). Cosmogenic 10Be in Zaire alluvial diamonds: implications for 3He contents of diamonds. Nature, v.328, no.6126, 1987. pp.139-141.

LANGE, C. B. (with Wolfgang H. Berger, S. K. Burke, R. E. Casey, A. Schimmelmann, A. Soutar, and A. L. Weinheimer). El Nino in Santa Barbara Basin: diatom, radiolarian and foraminiferan responses to the "1983 El Nino" event. Marine Geology, v.78, 1987. pp.153-160.

LEE, DONG-KYU 5X (with Pearn P. Niiler). The local baroclinic instability of geostrophic spirals in the eastern North Pacific. Journal of Physical Oceanography, v.17, no.9, 1987. pp.1366-1377.

LENTZ, S. J. (with C. D. Winant). Subinertial currents on the southern California shelf. Journal of Physical Oceanography, v.16, 1986. pp.1737-1750.

LEWIN, RALPH A. The phylogeny of Prochloron. Giornale Botanico Italiano, v.120, nos.1-6, 1986. pp.1-14.B-511

LEWIN, RALPH A. (with Lanna Cheng). La kultivo de unucelaj algoj kiuj sintezas uzeblajn produktajojn. Tutmondaj Sciencoj kaj Teknikoj, v.1, 1987. pp.28-29.

LILLEY, F. E. M. (with J. H. Filloux, N. L. Bindoff, I. J. Ferguson, and P. J. Mulhearn). Barotropic flow of a warm-core ring from seafloor electric measurements. Journal of Geophysical Research, v.91, no.C11, 1986. pp.12,979- 12,984.

LINDBERG, CRAIG R. (with Jeffrey Park). Multiple-taper spectral analysis of terrestrial free oscillations: part II. Geophysical Journal of the Royal Astronomical Society of London, v.91, 1987. pp.795-836.

LINDSTOM, ERIC (with Roger Lukas, Rana Fine, Eric Firing, Stuart Godfrey, Gary Meyers, and Mizuki Tsuchiya). The Western Equatorial Pacific Ocean Circulation Study. Nature, v.330, no.6148, 1987. pp.533-537.

LONSDALE, PETER Site surveys in the South Pacific with a Seabeam swath-mapping system. In: Initial Reports of the Deep Sea Drilling Project, v.92, edited by M. Leinen and D. K. Rea, et al. Washington, D. C., U. S. Printing Office, 1986. pp.229-236.

LOWERY, MARY SUE (with Susan J. Roberts and George N. Somero). Effects of starvation on the activities and localization of glycolytic enzymes in the white muscle of the barred sand bass Paralabrax Nebulifer. Physiological Zoology, v.60, no.5, 1987. pp.538-549.

LYNN, RONALD J. (with James J. Simpson). The California Current system: the seasonal variability of its physical characteristics. Journal of Geophysical Research, v.92, no.C12, 1987. pp.12,947-12,966.

MANKER, DENISE C. (with D. John Faulkner). Diterpenes from the marine pulmonate Trimusculus Reticulatus. Tetrahedron, v.43, no.16, 1987. pp.3677-3680.

MANTYLA, ARNOLD W. Standard seawater comparisons updated. Journal of Physical Oceanography, v.17, no.4, 1987. pp.543-548.

MATRAI, PATRICIA A. The distribution of the dinoflagellate Ceratium in relation to environmental factors along 28 N in the eastern North Pacific. Journal of Plankton Research, v.8, no.1, 1986. pp.105-118.

MAYNARD, NANCY G. (with V. Barale and J. Svejkovsky). Satellite observed dynamics of chlorophyll and suspended sediments in a shallow, high latitude embayment. Advances in Space Research, v.7, no.2, 1987. pp.83-88.

MILES, JOHN W. Weakly nonlinear waves in a stratified fluid: a variational formulation. Journal of Fluid Mechanics, v.172, 1986. pp.499-512.

MILES, JOHN W. Weakly nonlinear Kelvin-Helmholtz waves. Journal of Fluid Mechanics, v.172, 1986. pp.513-529.

MILES, JOHN W. On surface-wave forcing by a circular disk. Journal of Fluid Mechanics, v.175, 1987. pp.97-108.

MOLINSKI, TADEUSZ F. (with D. John Faulkner). Three new diterpene isonitriles from a Palauan sponge of the genus Halichondria. The Journal of Organic Chemistry, v.52, 1987. pp.3334-3337.

MOLINSKI, TADEUSZ F. (with D. John Faulkner). Metabolites of the Antarctic sponge Dendrilla membranosa. The Journal of Organic Chemistry, v.52, no.2, 1987. pp.296-298.

MULHEARN, P. J. (with J. H. Filloux, F. E. M. Lilley, N. L. Bindoff, and I. J. Ferguson). Abyssal currents during the formation and passage of a warm-core ring in the East Australian Current. Deep-Sea Research, v.33, nos.11/12, 1986. pp.1563-1576.

MULLIN, MICHAEL M. (with M. R. Roman). In situ feeding of a schooling mysid, Anisomysis sp., on Davies Reef - Mecor #4. Bulletin of Marine Science, v.39, no.3, 1986. pp.623-629.

MUNK, WALTER H. (with P. Scully-Power and F. Zachariasen). The Bakerian lecture, 1986: ships from space. Proceedings of the Royal Society of London, v.412, 1987. pp.231-254.

MUNK, WALTER H. (with Carl Wunsch). Bias in acoustic travel time through an ocean with adiabatic range-dependence. Geophysical and Astrophysical Fluid Dynamics, v.39, 1987. pp.1-24.

NAMIAS, JEROME Factors relating to the explosive North Atlantic cyclone of December 1986. Weather, v.42, no.10, 1987. pp.322-325

NELSON, JAMES R. (with John R. Beers, Richard W. Eppley, George A. Jackson, James J. McCarthy and Andrew Soutar). A particle flux study in the Santa Monica- San Pedro Basin off Los Angeles: particle flux, primary production, and transmissometer survey. Continental Shelf Research, v.7, no.3, 1987. pp.307- 328.

NEWMAN, WILLIAM A. (with Brian A. Foster). Southern hemisphere endemism among the barnacles: explained in part by extinction of northern members of amphitropical taxa? Bulletin of Marine Science, v.4, no.2, 1987. pp.361-377.

NISHIOKA, DAVID (with James S. Trimmer, Dominic Poccia, and Victor D. Vacquier). Changing localizations of site-specific surface antigens during sea urchin spermiogenesis. Experimental Cell Research, v.173, 1987. pp.606-616.

NISHIOKA, DAVID (with Donald C. Porter, James S. Trimmer, and Victor D. Vacquier). Dispersal of sperm surface antigens in the plasma membranes of polyspermically fertilized sea urchin eggs. Experimental Cell Research, v.173, 1987. pp.628-632

OHTSUKA, SUSUMU (with Abraham Fleminger and Takashi Onbe). A new species of Pontella (Copepoda: Calanoida). from the inland sea of Japan with notes on its feeding habits and related species. Journal Crustacean Biology, v.7, no.3, 1987. pp.554-571.

OLSON, ALLEN H. A Chebyshev condition for accelerating convergence of iterative tomographic methods - solving large least squares problems. Physics of the Earth and Planetary Interiors, v.47, 1987. pp.333-345.

OLTMAN-SHAY, JOAN (with Robert T. Guza). Infragravity edge wave observations on two California beaches. Journal of Physical Oceanography, v.17, no.5, 1987. pp.644-663.

ORCUTT, JOHN A. Structure of the earth: ocean crust and uppermost mantle. Reviews of Geophysics, U. S. National Report to International Union of Geodesy and Geophysics 1983-1986, v.25, no.6, 1987. pp.1177-1196.

ORCUTT, JOHN A. (with Robert D. Moore and Thomas H. Jordan). Description and performance of the Scripps ocean bottom seismographs during the Ngendei Experiment. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.347-356.

PARK, JEFFREY (with Frank L. Vernon, III and Craig R. Lindberg). Frequency dependent polarization analysis of high-frequency seismograms. Journal of Geophysical Research, v.92, no.B12, 1987. pp.12,664-12,674.

PARK, JEFFREY (with Craig R. Lindberg and Frank L. Vernon, III). Multitaper spectral analysis of high-frequency seismograms. Journal of Geophysical Research, v.92, no.B12, 1987. pp.12,675-12,684.

PARK, JEFFREY (with Craig R. Lindberg and David J. Thomson). Multiple-taper spectral analysis of terrestrial free oscillations: part I. Geophysical Journal of the Royal Astronomical Society of London, v.91, 1987. pp.755-794.

PARKE, MICHAEL E. (with Robert H. Stewart, David L. Farless and David E. Cartwright). On the choice of orbits for an altimetric satellite to study ocean circulation and tides. Journal of Geophysical Research, v.92, no.C11, 1987. pp.11,693-11,707.

PARKER, ROBERT L. (with Loren Shure and John A. Hildebrand). The application of inverse theory to seamount magnetism. Reviews of Geophysics, v.25, no.1, 1987. pp.17-40.

PAWLIK, JOSEPH R. Bocquetia rosea, new genus, new species, an unusual rhizocephalan parasite of a sponge-inhabiting barnacle, Membranobalanus orcutti (Pilsbry), from California. Journal of Crustacean Biology, v.7, no.2, 1987. pp.265-273.

PAZAN, STEPHEN E. (with Warren B. White). Short-term climatic variability in the volume budget of the western tropical North Pacific Ocean during 1979-82. Journal of Physical Oceanography, v.17, no.4, 1987. pp.440-454.

PERRIN, WILLIAM F. (with E. D. Mitchell, J. G. Mead, D. K. Caldwell, M. C. Caldwell, P. J. H. van Bree, and W. H. Dawbin). Revision of the spotted dolphins, Stenella spp. Marine Mammal Science, v.3, no.2, 1987. pp.99-170.

PINKEL, ROBERT Doppler sonar measurements of ocean waves and currents. Marine Technology Society Journal, v.20, no.4, 1986. pp.58-67.

REVELLE, ROGER How I became an oceanographer and other sea stories. Annual Review of Earth and Planetary Sciences, v.15, 1987. pp.1-23.

RIEDEL, WILLIAM R. (with K.-Y. Lau, R. S. Somerville, and L. E. Tway). Measuring the surface topography of microfossils. Micropaleontology, v.33, no.2, 1987. pp.189-192.

ROADS, JOHN OWEN Estimate of errors in lagged time average numerical weather prediction. Tellus, v.39A, 1987. pp.492-499.

ROBERTSON, KENNETH J. (with P. M. Williams and J. L. Bada). Acid hydrolysis of dissolved combined amino acids in seawater: a precautionary note. Limnology and Oceanography, v.32, no.4, 1987. pp.996-997.

ROSSO, ABBEY L. (with Farooq Azam). Proteolytic activity in coastal oceanic waters: depth distribution and relationships to bacterial populations. Marine Ecology - Progress Series, v.41, 1987. pp.231-240.

SCHMITZ, WILLIAM J., JR. (with Pearn P. Niiler and Chester J. Koblinsky). Two- year moored instrument results along 152 E. Journal of Geophysical Research, v.92, no.C10, 1987. pp.10,826-10,834.

SEND, UWE (with Robert C. Beardsley and Clinton D. Winant). Relaxation from upwelling in the Coastal Ocean Dynamics Experiment. Journal of Geophysical Research, v.92, no.C2, 1987. pp.1683-1698.

SERENO, THOMAS J., JR. (with John A. Orcutt). Synthetic Pn and Sn phases and the frequency dependence of Q of oceanic lithosphere. Journal of Geophysical Research, v.92, no.B5, 1987. pp.3541-3566.

SEYMOUR, RICHARD J. Collecting long-term wave records. Journal of the American Shore and Beach, v.55, nos.3-4, 1987. pp.109-112.

SHEARER, P. M. (with J. A. Orcutt). Surface and near-surface effects on seismic waves - theory and borehole seismometer results. Bulletin of the Seismological Society of America, v.77, no.4, 1987. pp.1168-1196.

SHEARER, P. M. (with J. A. Orcutt, T. H. Jordan, R. B. Whitmarsh, I. I. Kim, R. G. Adair, and M. S. Burnett). The Ngendei Seismic Refraction at Deep Sea Drilling Project Hole 595B - ocean bottom seismometer data and evidence for crustal and upper mantle anisotropy. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.385-435.

SHEARER, P. M. (with R. G. Adair, J. A. Orcutt, and T. H. Jordan). Simultaneous borehole and ocean bottom seismometer recordings of earthquakes and explosions: results from the 1983 Ngendei Experiment at Deep Sea Drilling Project Hole 595B. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.377-384.

SMITH, JEROME (with Robert Pinkel and Robert A. Weller). Velocity structure in the mixed layer during MILDEX. Physical Oceanography, v.17, no.4, 1987. pp.425-439.

SMITH, JEROME On surface waves crossing a step with horizontal shear. Journal of Fluid Mechanics, v.175, 1987. pp.395-412.

SOMERVILLE, RICHARD C. J. The predictability of weather and climate. Climatic Change, v.11, 1987. pp.239-246.

SOMERVILLE, RICHARD C. J. (with Sam Iacobellis). Cloud-radiation interactions: effects of cirrus optical thickness feedbacks. In: Short- and Medium-Range Numerical Weather Prediction. Collection of Papers Presented at the WMO/IUGG NWP Symposium, Tokyo, August 4-8, 1986, edited by T. Matsuno. Tokyo, Meteorological Society of Japan, 1986. pp.177-185

SPIESS, FRED N. Seafloor research and ocean technology. Marine Technology Society. Journal, v.21, no.2, 1987. pp.5-17.

SPIESS, FRED N. Deep-ocean near-bottom surveying techniques. In: Marine Minerals: Advances in Research and Resource Assessment. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.194, edited by P. G. Teleki, M. R. Dobson, J. R. Moore, and U. von Stackelberg. Dordrecht, Netherlands, D. Reidel Publishing, 1987. pp.259-275

STALLARD, MARTHA (with Vern Hodge and Edward D. Goldberg). TBT in California coastal waters: monitoring and assessment. Environmental Monitoring and Assessment, v.9, 1987. pp.195-220.

STARK, PHILIP B. (with Robert L. Parker). Smooth profiles from (p). and X(p). data. Geophysical Journal of the Royal Astronomical Society of London, v.89, 1987. pp.997-1010.

STARK, PHILIP B. Rigorous velocity bounds from soft (p). and X(p). data. Geophysical Journal of the Royal Astronomical Society of London, v.89, 1987. pp.987-996.

STARK, PHILIP B. (with Robert L. Parker). Velocity bounds from statistical estimates of (p). and X(p). Journal of Geophysical Research, v.92, no.B3, 1987. pp.2713-2719.

STOKKING, LAURA B. (with Lisa Tauxe). Acquisition of chemical remanent magnetization by synthetic iron oxide. Nature, v.327, no.6123, 1987. pp.610- 612.

SWENSON, MARK A note on baroclinic solitary waves with radial symmetry. Dynamics of Atmospheres and Oceans, v.10, 1986. pp.243-252.

SWENSON, MARK Instability of equivalent-barotropic riders. Journal of Physical Oceanography, v.17, no.4, 1987. pp.492-506.

SWENSON, MARK Equivalent modons in simple shear. Journal of the Atmospheric Sciences, v.43, no.24, 1986. pp.3177-3185.

SYKES, PAUL F. (with M. E. Huntley). Acute physiological reactions of Calanus pacificus to selected dinoflagellates: direct observations. Marine Biology, v.94, 1987. pp.19-24.

TAI, CHANG-KOU (with Lee-Lueng Fu). On crossover adjustment in satellite altimetry and its oceanographic implications. Journal of Geophysical Research, v.91, no.C2, 1986. pp.2549-2554.

TEGNER, MIA J. (with Paul K. Dayton). El Nino effects on Southern California kelp forest communities. Advances in Ecological Research, v.17, 1987. pp.243-279.

THISTLE, DAVID (with George D. F. Wilson). A hydrodynamically modified, abyssal isopod fauna. Deep-Sea Research, v.34, no.1, 1987. pp.73-87.

TRIMMER, JAMES S. (with Yukiko Ebina, Robert W. Schackmann, Carl-Georg Meinhof and Victor D. Vacquier). Characterization of a monoclonal antibody that induces the acrosome reaction of sea urchin sperm. Journal of Cell Biology, v.105, 1987. pp.1121-1128.

VACQUIER, VICTOR D. Plasma membranes isolated from sea urchin spermatozoa. In: New Horizons in Sperm Cell Research, edited by H. Mohri. Tokyo, Japan Scientific Societies Press, 1987. pp.217-233

VAN DORN, W. G. Tide gage response to tsunamis. Part II: other oceans and smaller seas. Journal of Physical Oceanography, v.17, no.9, 1987. pp.1507- 1516.

VENRICK, ELIZABETH L. (with John A. McGowan, D. R. Cayan, and T. L. Hayward). Climate and chlorophyll a: long-term trends in the central North Pacific Ocean. Science, v.238, 1987. pp.70-72.

VENRICK, ELIZABETH L. (with John A. McGowan, Daniel R. Cayan, and Thomas L. Hayward). Climate and chlorophyll a: long-term trends in the central North Pacific Ocean. Science, v.238, 1987. pp.70-72

VENRICK, ELIZABETH L. On fluorometric determination of filter-retained pigments. Limnology and Oceanography, v.32, no.2, 1987. pp.492-493

- VENRICK, ELIZABETH L. Patchiness and the paradox of the plankton. In: Pelagic Biogeography. Proceedings of an International Conference, The Netherlands, May 29-June 5, 1985. UNESCO Technical Papers in Marine Science, v.49, edited by A. C. Pierrot-Bults, S. van der Spoel, B. J. Zahuranec, and R. K. Johnson. Paris, United Nations Educational Scientific and Cultural Organization, 1986. pp.261- 265
- VESECKY, JOHN F. (with Robert H. Stewart, R. A. Shuchman, Hany M. Assal, E. S. Kasischke, and J. D. Lyden). On the ability of synthetic aperture radar to measure ocean waves. In: Wave Dynamics and Radio Probing of the Ocean Surface, edited by O. M. Phillips and Klaus Hasselmann. New York, Plenum Publishing Corporation, 1986. pp.403-421
- WARD, B. B. Kinetic studies on ammonia and methane oxidation by Nitrosococcus oceanus. Archives of Microbiology, v.147, 1987. pp.126-133
- WARD, B. B. (with K. A. Kilpatrick, P. C. Novelli and M. I. Scranton). Methane oxidation and methane fluxes in the ocean surface layer and deep anoxic waters. Nature, v.327, no.6119, 1987. pp.226-229
- WARD, B. B. Nitrification in marine environments. In: Nitrification. Special Publications of the Society for General Microbiology, v.20, edited by J. I. Prosser. Oxford, IRL Press, 1986. pp.157-184
- WARD, B. B. Nitrogen transformations in the Southern California Bight. Deep-Sea Research, v.34, nos.5-6, 1987. pp.785-805
- WESTBERG-SMITH, M. J. (with L. E. Tway and W. R. Riedel). Radiolarians from the north Atlantic Ocean, Deep Sea Drilling Project Leg 94. In: Initial Reports of the Deep Sea Drilling Project, v.94, edited by W. F. Ruddiman, R. B. Kidd, E. Thomas, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.763-777.
- WEYDERT, MARCO M. P. Manganese nodule distributions at a site in the eastern North Pacific. Marine Mining, v.5, no.4, 1986. pp.357-392.
- WHITE, WARREN B. (with Susumu Tabata). Interannual westward-propagating baroclinic long-wave activity on Line P in the eastern midlatitude North Pacific. Journal of Physical Oceanography, v.17, no.3, 1987. pp.385-396.
- WHITE, WARREN B. (with Gerard McNally). Evanescent pressure gradient response in the upper ocean to subinertial wind stress forcing of finite wavelength. Journal of Physical Oceanography, v.17, no.7, 1987. pp.1033-1043.
- WHITMARSH, R. B. (with J. A. Orcutt, T. H. Jordan, R. G. Adair, and P. M. Shearer). Velocity bounds on the seismic structure of Mesozoic crust and upper mantle in the southwest Pacific Basin from downhole observations at Deep Sea Drilling Project Hole 595B. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, J. A. Orcutt, et al. Washington, D. C., U. S. Government Printing Office, 1987. pp.437-444.

WILLIAMS, P. M. (with E. R. M. Druffel and K. L. Smith, Jr.). Dietary carbon sources for deep-sea organisms as inferred from their organic radiocarbon activities. Deep-Sea Research, v.34, no.2, 1987. pp.253-266.

WILSON, GEORGE D. (with Robert R. Hessler). Speciation in the deep sea. Annual Review of Ecology and Systematics, v.18, 1987. pp.185-207.

WILSON, RAYMOND R. JR. (with Francis C. Knowles). Communication - Temperature adaptation of fish hemoglobins reflected in rates of autoxidation. Archives of Biochemistry and Biophysics, v.255, no.1, 1987. pp.210-213.

WINANT, CLINTON D. (with R. C. Beardsley and R. E. Davis). Moored wind, temperature, and current observations made during Coastal Ocean Dynamics Experiment 1 and 2 over the northern California continental shelf and upper slope. Journal of Geophysical Research, v.92, no.C2, 1987. pp.1569-1604.

WINFREY, E. C. (with P. S. Doyle and W. R. Riedel). 12. Preliminary ichthyolith biostratigraphy, southwest Pacific, Deep Sea Drilling Project Leg 91. In: Initial Reports of the Deep Sea Drilling Project, v.91, edited by H. W. Menard, J. Natland, T. H. Jordan, and J. A. Orcutt. Washington D. C., U. S. Government Printing Office, 1987. pp.447-468.

ZETLER, BERNARD D. The evolution of modern tide analysis and prediction - some personal memories. International Hydrographic Review, v.LXIV, no.1, 1987. pp.123-139.

ADAIR, RICHARD G. (with John A. Orcutt and William E. Farrell). Infrasonic seismic and acoustic measurements in the deep ocean. IEEE Journal of Oceanic Engineering, v.13, no.4, 1988. pp.245-253

ALBERTE, RANDALL S. (with Lanna Cheng and Ralph A. Lewin). Characteristics of Prochloron/ascidian symbioses II. Photosynthesis-irradiance relationships and carbon balance of associations from Palau, Micronesia. Symbiosis, v.4, 1987. pp.147-170

ALEXANDROU, D. (with Christian de Moustier). Adaptive noise canceling applied to Sea Beam sidelobe interference rejection. IEEE Journal of Oceanic Engineering, v.13, no.2, 1988. pp.70-76

ALEXANDROU, D. Signal recovery in a reverberation-limited environment. IEEE Journal of Oceanic Engineering, v.OE-12, no.4, 1987. pp.553-559

AREF, H. (with James B. Kadtke, Ireneusz Zawadzki, Laurence J. Campbell, and Bruno Eckhardt). Point vortex dynamics: recent results and open problems. Fluid Dynamics Research, v.3, nos.1-4, 1988. pp.63-74

AREF, H. (with T. Kambe). Report on the IUTAM symposium: fundamental aspects of vortex motion. Journal of Fluid Mechanics, v.190, 1988. pp.571-595

AZAM, FAROOQ (with Byung C. Cho). Bacterial utilization of organic matter in the sea. In: Ecology of Microbial Communities, edited by M. Fletcher, T. R. G. Gray, and J. G. Jones. New York, Cambridge University Press, 1987. pp.261-281

BACKUS, GEORGE E. Bayesian inference in geomagnetism. Geophysical Journal, v.92, 1988. pp.125-142

BACKUS, GEORGE E. Comparing hard and soft prior bounds in geophysical inverse problems. Geophysical Journal, v.94, 1988. pp.249-261

BACKUS, GEORGE E. The field lines of an axisymmetric magnetic field. Geophysical Journal, v.93, 1988. pp.413-417

BACKUS, GEORGE E. Isotropic probability measures in infinite-dimensional spaces. Proceedings of the National Academy of Sciences, v.84, 1987. pp.8755-8757

BARCLAY, WILLIAM R. (with C. Wyman, Ralph A. Lewin, and Lanna Cheng). Development of microalgal systems for the production of liquid fuels. In: Algal Biotechnology, edited by T. Stadler, J. Mollion, M.-C. Verdus, Y. Karamanos, H. Morvan, and D. Christiaen. New York, Elsevier Applied Science Publishers, 1988. pp.55-64

BARD, ALLEN (with Edward D. Goldberg, and Derek W. Spencer). Modern chemistry and chemical technology applied to the ocean and its resources. Introduction. Applied Geochemistry, v.3, 1988. pp.3-8

BARNHART, M. CHRISTOPHER (with Brian R. McMahon). Depression of aerobic metabolism and intracellular pH by hypercapnia in land snails, Otala lactea. Journal of Experimental Biology, v.138, 1988. pp.289-299

BATES, JOHN (with Catherine Gautier). Influence and feedbacks between net surface shortwave flux and sea surface temperature during FASINEX. In: Seventh Conference on Ocean-Atmosphere Interaction, February 1-5, 1988, Anaheim, CA. Preprints. Boston, American Meteorological Society, 1988. pp.186-189

BERGER, WOLFGANG H. (with G. Wefer). Benthic deep-sea foraminifera: possible consequences of infaunal habitat for paleoceanographic interpretation. Journal of Foraminiferal Research, v.18, no.2, 1988. pp.147-150

BERGER, WOLFGANG H. (with A. Spitzy). History of atmospheric CO2: constraints from the deep-sea record. Paleoceanography, v.3, no.4, 1988. pp.401-411

BERGER, WOLFGANG H. (with L. Diester-Haass). Paleoproductivity: the benthic/planktonic ratio in foraminifera as a productivity index. Marine Geology, v.81, 1988. pp.15-25

BIRCK, J. L. (with G. W. Lugmair). Nickel and chromium isotopes in Allende inclusions. Earth and Planetary Science Letters, v.90, 1988. pp.131-143

BLOOMER, SHERMAN H. (with Robert L. Fisher). Arc volcanic rocks characterize the landward slope of the Philippine Trench off northeastern Mindanao. Journal of Geophysical Research, v.93, no.B10, 1988. pp.11,961-11,973

BOORD, ROBERT L. (with R. Glenn Northcutt). Medullary and mesencephalic pathways and connections of lateral line neurons of the spiny dogfish Squalus acanthias. Brain, Behavior and Evolution, v.32, 1988. pp.76-88

BRADFORD, JANET M. (with Mark D. Ohman and John B. Jillett). Larval morphology and development of Neocalanus tonsus, Calanoides macrocarinatus, and Calanus australis(Copepoda: Calanoida) in the laboratory. New Zealand Journal of Marine and Freshwater Research, v.22, 1988. pp.301-320

BRAY, N. A. Thermohaline circulation in the Gulf of California. Journal of Geophysical Research, v.93, no.C5, 1988. pp.4993-5020

BRAY, N. A. Water mass formation in the Gulf of California. Journal of Geophysical Research, v.93, no.C8, 1988. pp.9223-9240

BRINTON, EDWARD A new abyssal euphausiid, Thysanopoda minyops, with comparisons of eye size, photophores, and associated structures among deep-living species. Journal of Crustacean Biology, v.7, no.4, 1987. pp.636-666

BUKRY, DAVID (with Parke D. Snavely, Jr.). Coccolith zonation for Paleogene strata in the Oregon coast range. In: Paleogene Stratigraphy, West Coast of North America, West Coast Paleogene Symposium, v.58, edited by Mark V. Filewicz and Richard L. Squires. Los Angeles, Pacific Section, Society of Economic Paleontologists and Mineralogists, 1988. pp.251-263

BULLISTER, J. L. (with Ray F. Weiss). Determination of CCl3F and CCl2F2 in seawater and air. Deep-Sea Research, v.35, no.5, 1988. pp.839-853

BULLOCK, THEODORE HOLMES The comparative neurology of expectation: stimulus acquisition and neurobiology of anticipated and unanticipated input. In: Sensory Biology of Aquatic Animals, edited by Jelle Atema, Richard R. Fay, Arthur N. Popper, and William N. Tavolga. New York, Springer-Verlag, 1988. pp.269-284

BULLOCK, THEODORE HOLMES (with Erol Basar). Comparison of ongoing compound field potentials in the brains of invertebrates and vertebrates. Brain Research Reviews, v.13, 1988. pp.57-75

BULLOCK, THEODORE HOLMES Compound potentials of the brain, ongoing and evoked: perspectives from comparative neurology. In: Dynamics of Sensory and Cognitive Processing by the Brain: Integrative Aspects of Neural Networks, Electroencephalography, Event-related Potentials, Contingent Negative Variation, Magnetoencephalography, and Clinical Applications. Springer Series in Brain Dynamics, no.1, edited by Erol Basar. Berlin, Sringer-Verlag, 1988. pp.3-18

CARLSON, R. W. (with G. W. Lugmair). The age of ferroan anorthosite 60025: oldest crust on a young moon? Earth and Planetary Science Letters, v.90, 1988. pp.119-130

CARNEVALE, G. F. (with Geoffrey K. Vallis, Roberto Purini, and Marco Briscolini). Propagation of barotropic modons over topography. Geophysical and Astrophysical Fluid Dynamics, v.41, 1988. pp.45-101

CHANDLER, DOUGLAS E. (with Victor D. Vacquier). Phorbol myristate acetate induces the phosphorylation of plasma membrane-associated proteins in sea urchin eggs. Development, Growth and Differentiation, v.30, no.1, 1987. pp.49-59

CHO, BYUNG C. (with Farooq Azam). Major role of bacteria in biogeochemical fluxes in the ocean's interior. Nature, v.332, no.6163, 1988. pp.441-443

CONSTABLE, CATHERINE G. (with Robert L. Parker). Statistics of the geomagnetic secular variation for the past 5 m.y. Journal of Geophysical Research, v.93, no.B10, 1988. pp.11,569-11,581

CRAIG, HARMON (with Y. Horibe and T. Sowers). Gravitational separation of gases and isotopes in polar ice caps. Science, v.242, 1988. pp.1675-1678

CRAIG, HARMON (with C. C. Chou, J. A. Welhan, C. M. Stevens, and A. Engelkemeir). The isotopic composition of methane in polar ice cores. Science, v.242, 1988. pp.1535-1539

CULVER, R. L. (with W. S. Hodgkiss). Comparison of Kalman and least squares filters for locating autonomous very low frequency acoustic sensors. IEEE Journal of Oceanic Engineering, v.13, no.4, 1988. pp.282-290

DEALY, B. (with Catherine Gautier, Robert Frouin, John Bates, D. Lingner, and Jean-Yves Simonot). A satellite data processing and analysis software system for earth's atmosphere and surface research. In: Fourth International Conference, Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology, February 1-5, 1988, Anaheim, CA. Boston, American Meteorological Society, 1988. pp.J23-J28

DE MOUSTIER, CHRISTIAN (with T. Hylas and J. C. Phillips). Modifications and improvements to the Sea Beam system on board R/V Thomas Washington. In: Oceans '88 proceedings, A Partnership of Marine Interests, Conference, Baltimore, Maryland, October 31-November 2, 1988. Piscataway, N.J., Institute of Electrical and Electronics Engineers. pp.372-378

DE MOUSTIER, CHRISTIAN (with F. V. Pavlicek). On-line Sea Beam acoustic imaging. In: Oceans '87 Proceedings, The Ocean - An International Workplace, Conference, Halifax, Nova Scotia Canada, September 28-October 1, 1987. Piscataway, N.J., Institute of Electrical and Electronics Engineers. pp.1197-1201

DICKSON, ANDREW G. (with Harold L. Friedman and Frank J. Millero). Panel 3: Chemical models of sea water systems. Applied Geochemistry, v.3, 1988. pp.27-35

ECKHARDT, BRUNO (with H. Aref). Integrable and chaotic motions of four vortices. II. Collision dynamics of vortex pairs. Philosophical Transactions of the Royal Society of London, v.A326, 1988. pp.655-696

ELGAR, STEVE (with Robert T. Guza and M. H. Freilich). Eulerian measurements of horizontal accelerations in shoaling gravity waves. Journal of Geophysical Research, v.93, no.C8, 1988. pp.9261-9269

ELGAR, STEVE (with Robert T. Guza). Statistics of bicoherence. IEEE Transactions on Acoustics, Speech, and Signal Processing, v.36, no.10, 1988. pp.1667-1668

ENRIGHT, JAMES T. Art and the oculomotor system: perspective illustrations evoke vergence changes. Perception, v.16, 1987. pp.731-746

ENRIGHT, JAMES T. The cyclopean eye and its implications: vergence state and visual direction. Vision Research, v.28, no.8, 1988. pp.925-930

EPPLEY, RICHARD W. (with Elisabeth Stewart, Mark R. Abbott, and Robert W. Owen.). Estimating ocean production from satellite-derived chlorophyll: insights from the Eastropac data set. Vertical Motion in the Equatorial Upper Ocean, Proceedings of the International Symposium on Vertical Motion in the Equatorial Upper Ocean and its Effects upon Living Resources and the Atmosphere, UNESCO, Paris, France, May 6-10, 1985. Oceanologica Acta, Volume Special, no.6, 1987. pp.109-113

EPPLEY, RICHARD W. (with E. H. Renger). Nanomolar increase in surface layer nitrate concentration following a small wind event. Deep-Sea Research, v.35, no.7, 1988. pp.1119-1125

EPPLEY, RICHARD W. (with E. Swift, D. G. Redalje, M. R. Landry, and L. W. Haas). Subsurface chlorophyll maximum in August-September 1985 in the CLIMAX area of the North Pacific. Marine Ecology - Progress Series, v.42, 1988. pp.289-301

FAHY, EOIN (with Tadeusz F. Molinski, Mary Kay Harper, Brian Sullivan, D. John Faulkner, Laszlo Parkanyi, and Jon Clardy). Haliclonadiamine, an antimicrobial alkaloid from the sponge Haliclona sp. Tetrahedron Letters, v.29, no.28, 1988. pp.3427-3428

FIEBIG, E. Connections of the corpus cerebelli in the thornback guitarfish, Platyrhinoidis triseriata (Elasmobranchii): a study with WGA-HRP and extracellular granule cell recording. Journal of Comparative Neurology, v.268, 1988. pp.567-583

FINE, RANA A. (with M. J. Warner and Ray F. Weiss). Water mass modification at the Agulhas Retroflection: chlorofluoromethane studies. Deep-Sea Research, v.35, no.3, 1988. pp.311-332

FROUIN, ROBERT (with Catherine Gautier, Kristina B. Katsaros, and Richard J. Lind). A comparison of satellite and empirical formula techniques for estimating insolation over the oceans. Journal of Applied Meteorology, v.27, no.9, 1988. pp.1016-1023

FROUIN, ROBERT (with Catherine Gautier and Jean-Jacques Morcrette). Downward longwave irradiance at the ocean surface from satellite data: methodology and in situ validation. Journal of Geophysical Research, v.93, no.C1, 1988. pp.597-619

GAUTIER, CATHERINE (with Robert Frouin and Jean-Yves Simonot). An attempt to remotely sense from space the surface heat budget over the Indian Ocean during the 1979 monsoon. Geophysical Research Letters, v.15, no.10, 1988. pp.1121-1124

GAUTIER, CATHERINE (with John Bates). Influence of an ocean thermal front on cloud characteristics during FASINEX. In: Seventh Conference on Ocean-Atmosphere Interaction, February 1-5, 1988, Anaheim, CA. Preprints. Boston, American Meteorological Society, 1988. pp.194-198

GAUTIER, CATHERINE (with Robert Frouin). Sensitivity of satellite-derived net shortwave irradiance at the earth's surface to radiometric calibration. In: Proceedings of the 4th International Colloquium on Spectral Signatures of Objects in Remote Sensing held at Aussois, France, January 18-22, 1988. ESA-SP v.287, edited by G. Guyot. Paris, European Space Agency, 1988. pp.179-184

GAUTIER, CATHERINE Solar energy resources estimations from satellite data. In: Physical Climatology for Solar and Wind Energy, Miramare-Trieste, Italy, April 21-May 16, 1986, edited by Rodolfo Guzzi and Carl Gerald Justus. Teaneck, New Jersey, World Scientific Publishing, 1988. pp.643-749

GAUTIER, CATHERINE Surface solar irradiance in the Central Pacific during Tropic Heat: comparisons between in situ measurements and satellite estimates. Journal of Climate, v.1, no.6, 1988. pp.600-608

GENIN, AMATZIA (with L. R. Haury and Paul Greenblatt). Interactions of migrating zooplankton with shallow topography: predation by rockfishes and intensification of patchiness. Deep-Sea Research, v.35, no.2, 1988. pp.151-175

GOLDBERG, EDWARD D. (with Minoru Koide, Kathe K. Bertine, V. F. Hodge, Martha Stallard, Darko Martincic, Nevenka Mikac, Marco Branica, and Jamal K. Abaychi). Marine geochemistry 2: scavenging redux. Applied Geochemistry, v.3, 1988. pp.561-571

GOMBERG, JOAN S. (with Keith Priestley, T. G. Masters, and James Brune). The structure of the crust and upper mantle of northern Mexico. Geophysical Journal, v.94, 1988. pp.1-20

GOMBERG, JOAN S. (with T. G. Masters). Waveform modelling using locked-mode synthetic and differential seismograms: application to determination of the structure of Mexico. Geophysical Journal, v.94, 1988. pp.193-218

GORDON, H. R. (with Otis Brown, Robert Evans, J. W. Brown, Raymond C. Smith, Karen S. Baker, and Dennis K. Clark). A semianalytic radiance model of ocean color. Journal of Geophysical Research, v.93, no.D9, 1988. pp.10,909-10,924

GOSWAMI, J. N. (with R. E. McGuire, R. C. Reedy, D. Lal, and R. Jha). Solar flare protons and alpha particles during the last three solar cycles. Journal of Geophysical Research, v.93, no.A7, 1988. pp.7195-7205

GRAHAM, JEFFREY B. Ecological and evolutionary aspects of integumentary respiration: body size, diffusion, and the invertebrata. American Zoologist, v.28, 1988. pp.1031-1045

GRAHAM, NICHOLAS E. (with Warren B. White). The El Nino cycle: a natural oscillator of the Pacific Ocean-atmosphere system. Science, v.240, 1988. pp.1293-1302

GUZA, ROBERT T. Comment on "Kinematic and dynamic estimates from electromagnetic current meter data" by D. G. Aubrey and J. H. Trowbridge. Journal of Geophysical Research, v.93, no.C2, 1988. pp.1337-1343

GUZA, ROBERT T. (with M. C. Clifton and F. Rezvani). Field intercomparisons of electromagnetic current meters. Journal of Geophysical Research, v.93, no.C8, 1988. pp.9302-9314

HAGSTROM, A. (with Farooq Azam, A. Andersson, J. Wikner, and F. Rassoulzadegan). Microbial loop in an oligotrophic pelagic marine ecosystem: possible roles of cyanobacteria and nanoflagellates in the organic fluxes. Marine Ecology - Progress Series, v.49, 1988. pp.171-178

HAMMEL, H. T. Anesthetics and body temperature regulation. Anesthesiology, v.68, no.6, 1988. pp.833-835

HAURY, L. R. Vertical distribution of Pleuromamma(Copepoda: Metridinidae). across the eastern North Pacific Ocean. Hydrobiologia, v.167/168, 1988. pp.335-342

HEYMAN, U. (with B. Heyman and B. B. Ward). Cell affinity chromatography for a marine nitrifying bacterium. In: Immunochemical Approaches to Coastal, Estuarine and Oceanographic Questions. Lectures Notes on Coastal and Estuarine Studies, v.25, edited by Clarice M. Yentsch, Frances C. Mague, and Paul K. Horan. New York, Springer-Verlag, 1988. pp.100-116

HILDEBRAND, JOHN A. (with Alan D. Chave, Fred N. Speiss, Robert L. Parker, Mark E. Ander, and Mark A. Zumberge). The Newtonian gravitational constant: on the feasibility of an oceanic measurement. Eos, v.69, no.32, 1988. pp.769, 779-780

HODGKISS, W. S. (with D. Almagor). Element-level reverberation time series synthesis. In: International Conference on Acoustics, Speech, and Signal Processing, April 11-14, 1988. New York, Institute of Electrical and Electronics Engineers, 1988. pp.2701-2704

HODGKISS, W. S. (with D. Almagor). A pole-zero complex adaptive joint process least-squares lattice. In: International Conference on Acoustics, Speech, and Signal Processing, April 11-14, 1988. New York, Institute of Electrical and Electronics Engineers, 1988. pp.2789-2792

HODGKISS, W. S. Seismic profiling as a contaminant in the measurement of ambient noise spectral and spatial characteristics. In: International Conference on Acoustics, Speech, and Signal Processing, April 11-14, 1988. New York, Institute of Electrical and Electronics Engineers, 1988. pp.2705-2708

HOREL, JOHN D. (with John Owen Roads). Sensitivity of regional predictability to flow characteristics. Journal of Geophysical Research, v.93, no.D9, 1988. pp.11,005-11,014

HORIBE, Y. (with Harmon Craig). Is the air in amber ancient? Science, v.241, 1988. pp.720-721

HOUGH, SUE (with John G. Anderson, James Brune, Frank Vernon, III, Jon Berger, J. B. Fletcher, Linda Haar, Thomas Hanks, and L. M. Baker). Attenuation near Anza, California. Bulletin of the Seismological Society of America, v.78, no.2, 1988. pp.672-691

HOUGH, SUE (with John G. Anderson). High-frequency spectra observed at Anza, California: implications for Q structure. Bulletin of the Seismological Society of America, v.78, no.2, 1988. pp.692-707

HUNTLEY, MARK E. Feeding biology of Calanus: a new perspective. Hydrobiologia, v.167/168, 1988. pp.83-99

IMAWAKI, SHIRO (with Pearn P. Niiler, Catherine Gautier, David Halpern, Robert Knox, W. G. Large, Douglas S. Luther, J. C. McWilliams, James N. Moum, and Clayton A. Paulson). A new method for estimating the turbulent heat flux at the bottom of the daily mixed layer. Journal of Geophysical Research, v.93, no.C11, 1988. pp.14,005-14,012

TO, TATSUNORI (with Frederick R. Schram). Gonopores and the reproductive system of nectiopodan Remipedia. Journal of Crustacean Biology, v.8, no.2, 1988. pp.250-253

JACKSON, GEORGE A. Implications of high dissolved organic matter concentrations for oceanic properties and processes. Oceanography, v.1, no.2, 1988. pp.28-33

JACKSON, GEORGE A. Kelvin wave propagation in a high drag coastal environment. Journal of Physical Oceanography, v.18, no.11, 1988. pp.1733- 1743

JACKSON, GEORGE A. (with P. M. Williams). Measures of net oxidant concentration in seawater. Deep-Sea Research, v.35, no.2, 1988. pp.209-225

JENDEN, PETER D. (with I. R. Kaplan, R. J. Poreda, and Harmon Craig). Origin of nitrogen-rich natural gases in the California Great Valley: evidence from helium, carbon and nitrogen isotope ratios. Geochimica et Cosmochimica Acta, v.52, no.4, 1988. pp.851-861

JOHNSON, ERIC S. (with Lloyd A. Regier and Robert Knox). A study of geostrophy in tropical Pacific Ocean currents during the NORPAX Tahiti shuttle using a shipboard Doppler acoustic current profiler. Journal of Physical Oceanography, v.18, no.5, 1988. pp.708-723

JONES, SCOTT W. (with H. Aref). Chaotic advection in pulsed source-sink systems. Physics of Fluids, v.31, no.3, 1988. pp.469-485

KALMIJN, AD. J. Detection of weak electric fields. In: Sensory Biology of Aquatic Animals, edited by Jelle Atema, Richard R. Fay, Arthur N. Popper, and William N. Tavolga. New York, Springer-Verlag, 1988. pp.151-186

KALMIJN, AD. J. Hydrodynamic and acoustic field detection. In: Sensory Biology of Aquatic Animals, edited by Jelle Atema, Richard R. Fay, Arthur N. Popper, and William N. Tavolga. New York, Springer-Verlag, 1988. pp.83-130

KEIR, R. S. On the late Pleistocene ocean geochemistry and circulation. Paleoceanography, v.3, no.4, 1988. pp.413-445

KERNAN, MICHAEL R. (with Tadeusz F. Molinski and D. John Faulkner). Macrocyclic antifungal metabolites from the Spanish dancer nudibranch Hexabranchus sanguineus and sponges of the genus Halichondria. Journal of Organic Chemistry, v.53, 1988. pp.5014-5020

KERNAN, MICHAEL R. (with D. John Faulkner). Regioselective oxidation of 3- alkylfurans to 3-alkyl-4-hydroxybutenodes. Journal of Organic Chemistry, v.53, 1988. pp.2773-2776

KERNAN, MICHAEL R. (with D. John Faulkner). Sesterterpene sulfates from a sponge of the family Halichondriidae. Journal of Organic Chemistry, v.53, 1988. pp.4574-4578

KERNAN, MICHAEL R. (with Ellen B. Barrabee and D. John Faulkner). Variation of the metabolites of Chromodoris funerea: comparison of specimens from a Palauan marine lake with those from adjacent waters. Comparative Biochemistry and Physiology, v.89B, no.2, 1988. pp.275-278

KOIDE, MINORU (with V. F. Hodge, Edward D. Goldberg, and Kathe K. Bertine). Gold in seawater: a conservative view. Applied Geochemistry, v.3, 1988. pp.237-241

KOOYMAN, GERALD L. Pressure and the diver. Canadian Journal of Zoology, v.66, 1988. pp.84-88

LAL, D. (with T. Lee). Cosmogenic 32P and 33P used as tracers to study phosphorus recycling in the upper ocean. Nature, v.333, 1988. pp.752-754

LAL, D. In situ-produced cosmogenic isotopes in terrestrial rocks. Annual Review of Earth & Planetary Sciences, v.16, 1988. pp.355-388

LEWIN, RALPH A. Algae and fungi, kingdoms and trees. British Phycological Society Newsletter, v.25, 1988. pp.4-5

LI, CHIA-WEI (with Benjamin E. Volcani). Aberrant valve formation in a centric diatom, Ditylum brightwellii. Protoplasma, v.145, 1988. pp.1-6

LI, CHIA-WEI (with Benjamin E. Volcani). Four new apochlorotic diatoms. British Phycological Journal, v.22, 1987. pp.375-382

LIU, H.-T. (with James J. Simpson and J. C. Schedvin). A preliminary laboratory study of the lateral entrainment of non-local waters by a subsurface mesoscale eddy. Experiments in Fluids, v.6, 1988. pp.217-227

LONSDALE, PETER Structural pattern of the Galapagos microplate and evolution of the Galapagos triple junctions. Journal of Geophysical Research, v.93, no.B11, 1988. pp.13,551-13,574

LOPEZ, M. D. G. (with Mark E. Huntley and Paul F. Sykes). Pigment destruction by Calanus pacificus: impact on the estimation of water column fluxes. Journal of Plankton Research, v.10, no.4, 1988. pp.715-734

MASTERS, T. G. (with Michael Ritzwoller). Low frequency seismology and three- dimensional structure observational aspects. In: Mathematical Geophysics, A Survey of Recent Developments in Seismology and Geodynamics. Modern Approaches in Geophysics, edited by N. J. Vlaar, G. Nolet, M. J. R. Wortel, and S. A. P. L. Cloetingh. Boston, D. Reidel Publishing, 1988. pp.1-30

MICHAELSEN, JOEL (with Xueyun Zhang and Raymond C. Smith). Variability of pigment biomass in the California Current system as determined by satellite imagery. 2. Temporal variability. Journal of Geophysical Research, v.93, no.D9, 1988. pp.10,883-10,896

MILES, JOHN W. Directly forced oscillations of an inverted pendulum. Physics Letters A, v.133, no.6, 1988. pp.295-297

MILES, JOHN W. Resonance and symmetry breaking for a nonlinear oscillator. Physics Letters A, v.130, no.4,5, 1988. pp.276-278

MILES, JOHN W. Resonance and symmetry breaking for the pendulum. Physica D, v.31, 1988. pp.252-268

MOLINSKI, TADEUSZ F. (with D. John Faulkner). An antibacterial pigment from the sponge Dendrilla membranosa. Tetrahedron Letters, v.29, no.18, 1988. pp.2137-2138

MOLINSKI, TADEUSZ F. (with Eoin Fahy, D. John Faulkner, Gregory D. Van Duyne, and Jon Clardy). Petrosamine, a novel pigment from the marine sponge Petrosia sp. Journal of Organic Chemistry, v.53, 1988. pp.1340-1341.

MOORE, J. M. (with J. S. Charters and Christian de Moustier). Multi-sensor real- time data acquisition and preprocessing at sea. In: Oceans '88 Proceedings, A Partnership of Marine Interests, Conference, Baltimore, Maryland, October 31- November 2, 1988. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1988. pp.509-517

MULLIN, MICHAEL M. (with Elaine R. Brooks). Extractable lipofuscin in larval marine fish. Fishery Bulletin, v.86, no.2, 1988. pp.407-415

MULLIN, MICHAEL M. Production and distribution of nauplii and recruitment variability--putting the pieces together. In: Toward a Theory on Biological- Physical Interactions in the World Ocean. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.239, edited by B. J. Rothschild. Boston, Kluwer Academic Publishers, 1988. pp.297-320

MUNK, WALTER H. (with Peter F. Worcester). Ocean acoustic tomography. Oceanography, v.1, no.1, 1988. pp.8-10

MUTTER, J. C. (with Ginger A. Barth, P. Buhl, R. S. Detrick, John A. Orcutt, and Alistair Harding). Magma distribution across ridge-axis discontinuities on the East Pacific Rise from multichannel seismic images. Nature, v.336, no.6195, 1988. pp.156-158

NAMIAS, JEROME (with Xiaojun Yuan and Daniel R. Cayan). Persistence of North Pacific sea surface temperature and atmospheric flow patterns. Journal of Climate, v.1, no.7, 1988. pp.682-703

NEORI, A. (with M. Vernet, O. Holm-Hansen, and Francis T. Haxo). Comparison of chlorophyll far-red and red fluorescence excitation spectra with photosynthetic oxygen action spectra for photosystem II in algae. Marine Ecology - Progress Series, v.44, 1988. pp.297-302

NEWMAN, WILLIAM A. (with Ronald R. McConnaughey). A Tropical Eastern Pacific barnacle, Megabalanus coccopoma(Darwin), in Southern California, following El Nino 1982-83. Pacific Science, v.41, nos.1-4, 1987. pp.31-36

NICHOLS, JEAN A. Antifouling paints: use on boats in San Diego Bay and a way to minimize adverse impacts. Environmental Management, v.12, no.2, 1988. pp.243- 247

NORTHCUTT, R. GLENN (with Anton Reiner and Harvey J. Karten). Immunohistochemical study of the telencephalon of the spiny dogfish, Squalus acanthias. Journal of Comparative Neurology, v.277, 1988. pp.250-267

NORTHCUTT, R. GLENN (with Richard L. Puzdrowski). Projections of the olfactory bulb and nervus terminalis in the silver lamprey. Brain, Behavior and Evolution, v.32, 1988. pp.96-107

NORTHCUTT, R. GLENN Sensory and other neural traits and the adaptationist program: mackerels of San Marco? In Sensory Biology of Aquatic Animals, edited by Jelle Atema, Richard R. Fay, Arthur N. Popper, and William N. Tavolga. New York, Springer-Verlag, 1988. pp.871-883

NORTHCUTT, R. GLENN (with Mario F. Wullimann). The visual system in teleost fishes: morphological patterns and trends. In: Sensory Biology of Aquatic Animals, edited by Jelle Atema, Richard R. Fay, Arthur N. Popper, and William N. Tavolga. New York, Springer-Verlag, 1988. pp.515-552

OHMAN, MARK D. Energy sources for recruitment of the subantarctic copepod Neocalanus tonsus. Limnology and Oceanography, v.32, no.6, 1987. pp.1317-1330

OHMAN, MARK D. Sources of variability in measurements of copepod lipids and gut fluorescence in the California Current coastal zone. Marine Ecology - Progress Series, v.42, 1988. pp.143-153

ORCUTT, JOHN A. (with Robert L. Parker, Philip B. Stark, and J. D. Garmany). Comment concerning `A method of obtaining a velocity-depth envelope from wide- angle seismic data' by R. Mithal and J. B. Diebold. Geophysical Journal, v.95, 1988. pp.209-211

PARKER, ROBERT L. A statistical theory of seamount magnetism. Journal of Geophysical Research, v.93, no.B4, 1988. pp.3105-3115

PHILLIPS, J. C. (with J. Lynn Abbott and Christian de Moustier). Multiple sound source synchronizer for seafloor surveying. Offshore Technology Conference Proceedings, v.4, no.5867, 1988. pp.1-8

PINKEL, ROBERT (with Albert Plueddemann and Robin Williams). Internal wave observations from FLIP in MILDEX. Journal of Physical Oceanography, v.17, no.10, 1987. pp.1737-1757

PINKEL, ROBERT (with Jerome A. Smith). Open ocean surface wave measurement using Doppler sonar. Journal of Geophysical Research, v.92, no.C12, 1987. pp.12,967- 12,973

POREDA, R. J. (with A. W. A. Jeffrey, I. R. Kaplan, and Harmon Craig). Magmatic helium in subduction-zone natural gases. Chemical Geology, v.71, 1988. pp.199-210

PORTER, DONALD C. (with Gary W. Moy and Victor D. Vacquier). cAMP-dependent protein kinase of sea urchin sperm phosphorylates sperm histone H1 on a single site. Journal of Biological Chemistry, v.263, no.6, 1988. pp.2750-2755

PORTER, DONALD C. (with Victor D. Vacquier). Extraction of phosphorylated sperm specific histone H1 from sea urchin eggs: analysis of phosphopeptide maps. Biochemical and Biophysical Research Communications, v.151, no.3, 1988. pp.1200-1204

PUMIR, ALAIN (with H. Aref). A model of bubble dynamics in a Hele-Shaw cell. Physics of Fluids, v.31, no.4, 1988. pp.752-763

REID, FREDA M. H. (with Frank E. Round). The Antarctic diatom Synedra reinboldii: taxonomy, ecology and transference to a new genus, Trichotoxon. Diatom Research, v.2, no.2, 1987. pp.219-227

REID, JOSEPH L. Physical oceanography, 1947-1987. California Cooperative Oceanic Fisheries Investigations Reports, v.29, 1988. pp.42-65

RIDGWAY, H. F. (with Ralph A. Lewin). Characterization of gliding motility in Flexibacter polymorphus. Cell Motility and the Cytoskeleton, v.11, 1988. pp.46-63

RITZWOLLER, MICHAEL (with T. G. Masters and Freeman J. Gilbert). Constraining aspherical structure with low-degree interaction coefficients: application to uncoupled multiplets. Journal of Geophysical Research, v.93, no.B6, 1988. pp.6369-6396

ROADS, JOHN OWEN Lagged average predictions in a predictability experiment. Journal of the Atmospheric Sciences, v.45, no.2, 1988. pp.147-162

ROADS, JOHN OWEN Predictability in the extended range. Journal of the Atmospheric Sciences, v.44, no.23, 1987. pp.3495-3527

ROHR, J. J. (with E. C. Itsweire, K. N. Helland, and C. W. Van Atta). Growth and decay of turbulence in a stably stratified shear flow. Journal of Fluid Mechanics, v.195, 1988. pp.77-111

RUBINOFF, IRA (with Jeffrey B. Graham and Jorge Motta). Diving of the sea snake Pelamis platurus in the Gulf of Panam. II. Horizontal movement patterns. Marine Biology, v.97, 1988. pp.157-163

SALMON, RICK Hamiltonian fluid mechanics. Annual Review of Fluid Mechanics, v.20, 1988. pp.225-256

SALMON, RICK Semigeostrophic theory as a Dirac-bracket projection. Journal of Fluid Mechanics, v.196, 1988. pp.345-358

SANFILIPPO, ANNIKA Pliocene radiolaria from Bianco, Calabria, Italy. Micropaleontology, v.34, no.2, 1988. pp.159-180, pls.1-2

SCHIMMELMANN, A. (with Robert G. F. Krause and Michael J. DeNiro). Absence of preserved glucosamine and amino acids in fossil crustacean exoskeletons. Organic Geochemistry, v.12, no.1, 1988. pp.1-5

SERENO, THOMAS J. (with William E. Farrell, John A. Orcutt, and Richard G. Adair). VLF propagation loss to a buried seismometer. IEEE Journal of Oceanic Engineering, v.13, no.4, 1988. pp.254-262

SHEARER, P. M. (with Kenneth M. Toy and John A. Orcutt). Axi-symmetric earth models and inner-core anisotropy. Nature, v.333, no.6170, 1988. pp.228-232

SHOJA-TAHERI, JAFAR (with John G. Anderson). The 1978 Tabas, Iran, earthquake: an interpretation of the strong motion records. Bulletin of the Seismological Society of America, v.78, no.1, 1988. pp.142-171

SIMPSON, JAMES J. Transport processes affecting the survival of pelagic fish stocks in the California Current. In: Tenth Annual Larval Fish Conference, Proceedings of a Conference held in Miami, Florida, U.S.A., May 18-23, 1986. American Fisheries Society Symposium 2, edited by Robert D. Hoyt. Bethesda, Md., American Fisheries Society, 1987. pp.39-60

SMITH, RAYMOND C. (with Xueyun Zhang and Joel Michaelsen). Variability of pigment biomass in the California Current system as determined by satellite imagery. 1. Spatial variability. Journal of Geophysical Research, v.93, no.D9, 1988. pp.10,863-10,882

SMITH, STUART M. (with J. S. Charters and J. M. Moore). Processing and management of underway marine geophysical data at Scripps. In: Oceans '88 Proceedings, A Partnership of Marine Interests, Conference, Baltimore, Maryland, October 31- November 2, 1988. Piscataway, N.J., Institute of Electrical and Electronics Engineers. pp.385-390

SOMAYAJULU, B. L. K. (with R. Rengarajan, D. Lal, Ray F. Weiss, and Harmon Craig). GEOSECS Atlantic 32Si profiles. Earth and Planetary Science Letters, v.85, 1987. pp.329-342

SOTIRIN, BARBARA J. (with John A. Hildebrand). Large aperture digital acoustic array. IEEE Journal of Oceanic Engineering, v.13, no.4, 1988. pp.271-281

STEWART, ROBERT H. (with Michel Lefebvre). Topex/Poseidon: a contribution to the world climate research program. In: Aerospace Century XXI, Proceedings of the 33rd Annual AAS International Conference, held October 26-29, 1986, at Boulder, Colorado, edited by George W. Morgenthaler, Gayle M.

May, W. Kent Tobiska, and Jean N. Koster. Advances in the Astronautical Sciences, v.64 (Supplement). San Diego, Calif., Published for the American Astronautical Society by Univelt, 1987. pp.117-128

TAI, CHANG-KOU Estimating the basin-scale ocean circulation from satellite altimetry. Part I: straightforward spherical harmonic expansion. Journal of Physical Oceanography, v.18, no.10, 1988. pp.1398-1413

TAI, CHANG-KOU Geosat crossover analysis in the tropical Pacific 1. Constrained sinusoidal crossover adjustment. Journal of Geophysical Research, v.93, no.C9, 1988. pp.10,621-10,629

TORRES, J. J. (with George N. Somero). Metabolism, enzymic activities and cold adaptation in Antarctic mesopelagic fishes. Marine Biology, v.98, 1988. pp.169-180

TRENBERTH, KEVIN E. (with Shyh-Chin Chen). Planetary waves kinematically forced by Himalayan orography. Journal of the Atmospheric Sciences, v.45, no.20, 1988. pp.2934-2948

TRENBERTH, KEVIN E. (with Shyh-Chin Chen). Rotational and divergent geopotential components. Journal of the Atmospheric Sciences, v.45, no.20, 1988. pp.2949- 2960

TRIMMER, JAMES S. (with Victor D. Vacquier). Monoclonal antibodies induce the translocation, patching, and shedding of surface antigens of sea urchin spermatozoa. Experimental Cell Research, v.175, 1988. pp.37-51

VACQUIER, VICTOR D. (with Gary W. Moy, James S. Trimmer, Yukiko Ebina, and Donald C. Porter). Monoclonal antibodies to a membrane glycoprotein induce the phosphorylation of histone H1 in sea urchin spermatozoa. Journal of Cell Biology, v.107, no.6, Pt.1, 1988. pp.2021-2027

VENRICK, ELIZABETH L. The vertical distributions of chlorophyll and phytoplankton species in the North Pacific central environment. Journal of Plankton Research, v.10, no.5, 1988. pp.987-998

VOSS, KENNETH J. Radiance distribution measurements in coastal water. In: Ocean Optics IX, Proceedings of SPIE - The International Society for Optical Engineering, v.925. Bellingham, WA., Society of Photo-Optical Instrumentation Engineers, 1988. pp.56-66

WARD, B. B. (with O. C. Zafiriou). Nitrification and nitric oxide in the oxygen minimum of the eastern tropical North Pacific. Deep-Sea Research, v.35, no.7, 1988. pp.1127-1142

WATHEY, JOHN C. Accommodation motor neurons in the foveate teleost Paralabrax clathratus: horseradish peroxidase labeling and axonal morphometry, with comparisons to other ciliary nerve components. Brain, Behavior and Evolution, v.32, 1988. pp.1-16

WATHEY, JOHN C. (with Mario F. Wullimann). A double-label study of efferent projections from the Edinger-Westphal nucleus in goldfish and kelp bass. Neuroscience Letters, v.93, 1988. pp.121-126

WATHEY, JOHN C. Identification of the teleost Edinger-Westphal nucleus by retrograde horseradish peroxidase labeling and by electrophysiological criteria. Journal of Comparative Physiology A, v.162, 1988. pp.511-524

WEBB, SPAHR Long-period acoustic and seismic measurements and ocean floor currents. IEEE Journal of Oceanic Engineering, v.13, no.4, 1988. pp.263-270

WEISS, OLIVER (with Dietrich L. Meyer). Odor stimuli modulate retinal excitability in fish. Neuroscience Letters, v.93, 1988. pp.209-213

WELHAN, J. A. (with R. J. Poreda, W. Rison, and Harmon Craig). Helium isotopes in geothermal and volcanic gases of the western United States, I. Regional variability and magmatic origin. Journal of Volcanology and Geothermal Research, v.34, 1988. pp.185-199

WELHAN, J. A. (with R. J. Poreda, W. Rison, and Harmon Craig). Helium isotopes in geothermal and volcanic gases of the western United States, II. Long Valley caldera. Journal of Volcanology and Geothermal Research, v.34, 1988. pp.201- 209

WILLIAMS, P. M. (with E. R. M. Druffel). Dissolved organic matter in the ocean: comments on a controversy. Oceanography, v.1, no.1, 1988. pp.14-17

WILLIAMS, P. M. (with E. R. M. Druffel). Radiocarbon in dissolved organic matter in the central North Pacific Ocean. Nature, v.330, no.6145, 1987. pp.246-248

WINANT, CLINTON D. (with C. E. Dorman, Carl A. Friehe, and R. C. Beardsley). The marine layer off Northern California: an example of supercritical channel flow. Journal of the Atmospheric Sciences, v.45, no.23, 1988. pp.3588-3605

WISNER, ROBERT L. (with Charmion B. McMillan). A new species of hagfish, genus Eptatretus(Cyclostomata, Myxinidae), from the Pacific Ocean near Valparaiso, Chile, with new data on E. bischoffii and E. polytrema.

Transactions of the San Diego Society of Natural History, v.21, no.14, 1988. pp.227-244.

ZACHARIASSEN, KARL ERIK (with H. T. Hammel). The effect of ice-nucleating agents on ice-nucleating activity. Cryobiology, v.25, 1988. pp.143-147

ZUMBERGE, MARK A. (with Frank Wyatt, Dong X. Yu, and Hideo Hanada). Optical fibers for measurement of earth strain. Applied Optics, v.27, no.19, 1988. pp.4131-4138

ABRAMSON, STEWART N. (with Zoran Radic, Denise C. Manker, D. John Faulkner, and Palmer Taylor). Onchidal: a naturally occurring irreversible inhibitor of acetylcholinesterase with a novel mechanism of action. Molecular Pharmacology, v.36, 1989. pp.349-354

AGNEW, D. (with Frank Wyatt). The 1987 Superstition Hills earthquake sequence: strains and tilts at Pinon Flat Observatory. Bulletin of the Seismological Society of America, v.79, no.2, 1989. pp.480-492

AGNEW, D. Robust pilot spectrum estimation for the quality control of digital seismic data. Bulletin of the Seismological Society of America, v.79, no.1, 1989. pp.180-188

ALBERT, DONALD G. (with John A. Orcutt). Observations of low-frequency acoustic- to-seismic coupling in the summer and winter. Journal of the Acoustical Society of America, v.86, no.1, 1989. pp.352-359

ANDER, MARK E. (with Mark A. Zumberge, Ted Lautzenhiser, Robert L. Parker, Carlos L. V. Aiken, Michael R. Gorman, Michael Martin Nieto, A. Paul R. Cooper, John F. Ferguson, Elizabeth Fisher, George A. McMechan, Glenn S. Sasagawa, J. Mark Stevenson, George E. Backus, Alan D. Chave, James Greer, Phil Hammer, B. Lyle Hansen, John A. Hildebrand, John R. Kelty, Cyndi Sidles, and Jim Wirtz). Test of Newton's inverse-square law in the Greenland ice cap. Physical Review Letters, v.62, no.9, 1989. pp.985-988

ANDERSON, V. C. (with W. S. Hodgkiss). The effects of element-level amplitude quantization on broadband beamforming in the presence of sinusoidal interference. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18-21, 1989, Seattle, Washington. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.1105-1110

AREF, H. (with Scott W. Jones). Enhanced separation of diffusing particles by chaotic advection. Physics of Fluids A, v.1, no.3, 1989. pp.470-474

AREF, H. (with Gretar Tryggvason). Model of Rayleigh-Taylor instability. Physical Review Letters, v.62, no.7, 1989. pp.749-752

AREF, H. Three-vortex motion with zero total circulation: addendum. Journal of Applied Mathematics and Physics(ZAMP), v.40, 1989. pp.495-500

AREF, H. (with Scott W. Jones, S. Mofina, and Ireneusz Zawadzki). Vortices, kinematics and chaos. Physica D, v.37, 1989. pp.423-440

ARMSTRONG, GEORGE (with Reinhard E. Flick). Storm damage assessment for the January 1988 storm along the southern California shoreline. Shore and Beach, v.57, no.4, 1989. pp.18-23

BACKUS, GEORGE E. Confidence set inference with a prior quadratic bound. Geophysical Journal, v.97, 1989. pp.119-150

BAHR, KARSTEN (with Jean H. Filloux). Local Sq response functions from EMSLAB data. Journal of Geophysical Research, v.94, no.B10, 1989. pp.14,195-14,200

BALCH, W. M. (with Mark R. Abbott and Richard W. Eppley). Remote sensing of primary production-I. A comparison of empirical and semi-analytical algorithms. Deep-Sea Research, v.36, no.2, 1989. pp.281-295

BALLANCE, PETER F. (with John Barron, Charles D. Blome, David Bukry, Peter A. Cawood, George C. H. Chaproniere, Robyn Frisch, Richard H. Herzer, Campbell S. Nelson, Paula Quinterno, Holly Ryan, David W. Scholl, Andrew J. Stevenson, David G. Tappin, and Tracy L. Vallier). Late Cretaceous pelagic sediments, volcanic ash and biotas from near the Louisville hotspot, Pacific plate, paleolatitude 42 S. Palaeogeography, Palaeoclimatology, Palaeoecology, v.71, 1989. pp.281-299

BARNETT, TIM P. (with L. Dumenil, U. Schlese, E. Roeckner, and M. Latif). The effect of Eurasian snow cover on regional and global climate variations. Journal of the Atmospheric Sciences, v.46, no.6, 1989. pp.661-685

BARNHART, CHRISTOPHER Evaporative water loss from minute terrestrial snails (Pulmonata: Pupillidae). Veliger, v.32, no.1, 1989. pp.16-20

BARNHART, CHRISTOPHER Respiratory acidosis and metabolic depression in dormant invertebrates. In: Living in the Cold, Second International Symposium, Proceedings of the Second Symposium on Living in the Cold, held in Le Hohwald (France), April 23-29, 1989. Colloque de l'Institut National de la Sante et de la Recherche Medicale, v.193, edited by Andr, Malan and Bernard Canguilhem. London, J. Libby Eurotext, 1989. pp.321-331

BATES, JOHN (with Catherine Gautier). Interaction between net shortwave flux and sea surface temperature. Journal of Applied Meteorology, v.28, no.1, 1989. pp.43-51

BENSON, A. A. Arsonium compounds in algae. Proceedings of the National Academy of Sciences of the United States of America, v.86, 1989. pp.6131-6132

BENTOR, Y. K. Geological events in the bible. Terra Nova, v.1, 1989. pp.326-338

BERGER, WOLFGANG H. Appendix: Global maps of ocean productivity. In: Productivity of the Ocean, Present and Past. Dahlem Workshop Reports. Life Sciences Research Report, v.44, edited by W. H. Berger, V. S. Smetacek and G. Wefer. New York, Wiley, 1989. pp.429-455

BERGER, WOLFGANG H. (with V. S. Smetacek and G. Wefer). Ocean productivity and paleoproductivity-an overview. In: Productivity of the Ocean, Present and Past. Dahlem Workshop Reports. Life Sciences Research Report, v.44, edited by W. H. Berger, V. S. Smetacek and G. Wefer. New York, Wiley, 1989. pp.1-34

BLECKMANN, H. (with Theodore Holmes Bullock). Central nervous physiology of the lateral line, with special reference to cartilaginous fishes. In: The Mechanosensory Lateral Line, Neurobiology and Evolution, edited by S. Coombs, P. Gorner, and H. Munz. New York, Springer- Verlag, 1989. pp.387-408

BLECKMANN, H. (with Oliver Weiss and Theodore Holmes Bullock). Physiology of lateral line mechanoreceptive regions in the elasmobranch brain. Journal of Comparative Physiology A, v.164, 1989. pp.459-474

BOBZIN, STEVEN C. (with D. John Faulkner). Diterpenes from the marine sponge Aplysilla polyrhaphis and the dorid nudibranch Chromodoris norrisi. Journal of Organic Chemistry, v.54, 1989. pp.3902-3907

BOBZIN, STEVEN C. (with D. John Faulkner). Novel rearranged spongian diterpenes from the Palauan sponge Dendrilla sp.: reassessment of the structures of dendrillolide A and dendrillolide B. Journal of Organic Chemistry, v.54, 1989. pp.5727-5731

BROWNELL, ROBERT L., JR. (with John E. Heyning and William F. Perrin). A porpoise, Australophocaena dioptrica, previously identified as Phocoena spinipinnis, from Heard Island. Marine Mammal Science, v.5, no.2, 1989. pp.193-195

BUDELMANN, BERND U. (with H. Bleckmann). A lateral line analogue in cephalopods: water waves generate microphonic potentials in the epidermal head lines of Sepia and Lolliguncula. Journal of Comparative Physiology A, v.164, 1988. pp.1-5

BULLOCK, THEODORE HOLMES Evolution of compound field potentials in the brain. In: Brain Dynamics, Progress and Perspectives. Springer Series in Brain Dynamics, no.2, edited by Erol Basar and Theodore H. Bullock. New York, Springer-Verlag, 1989. pp.258-266

BULLOCK, THEODORE HOLMES (with Michael C. McClune). Lateral coherence of the electrocorticogram: a new measure of brain synchrony. Electroencephalography and Clinical Neurophysiology, v.73, 1989. pp.479-498, 563-564

BULLOCK, THEODORE HOLMES Lateral line research: prospects and opportunities. In: The Mechanosensory Lateral Line, Neurobiology and Evolution, edited by S. Coombs, P. Gorner, and H. Munz. New York, Springer-Verlag, 1989. pp.681-685

BULLOCK, THEODORE HOLMES The micro-EEG represents varied degrees of cooperativity among wide-band generators: spatial and temporal microstructure of field potentials. In: Brain Dynamics, Progress and Perspectives. Springer Series in Brain Dynamics, no.2, edited by Erol Basar and Theodore H. Bullock. New York, Springer-Verlag, 1989. pp.5-12

BULLOCK, THEODORE HOLMES Signs of dynamic processes in organized neural tissue: extracting order from chaotic data. In: Brain Dynamics, Progress and Perspectives. Springer Series in Brain Dynamics, no.2, edited by Erol Basar and Theodore H. Bullock. New York, Springer-Verlag, 1989. pp.539-547

BURNETT, M. (with D. W. Caress and John A. Orcutt). Tomographic image of the magma chamber at 12 50'N on the East Pacific Rise. Nature, v.339, no.6221, 1989. pp.206-208

CANDELA, JULIO (with Clinton D. Winant and Harry L. Bryden). Meteorologically forced subinertial flows through the Strait of Gibraltar. Journal of Geophysical Research, v.94, no.C9, 1989. pp.12,667-12,679

CARNEVALE, G. F. (with Marcos Briscolini, Roberto Purini, and Geoffrey K. Vallis). Numerical experiments on modon stability to topographic perturbations. Physics of Fluids, v.31, no.9, 1988. pp.2562-2566

CARNEVALE, G. F. (with Geoffrey K. Vallis, Roberto Purini, and Marcos Briscolini). The role of initial conditions in flow stability with an application to modons. Physics of Fluids, v.31, no.9, 1988. pp.2567-2572

CARTE, BRAD (with Seymour Mong, Benjamin Poehland, Henry Sarau, John W. Westley, and D. John Faulkner). 15-acetylthioxy-furodysinin lactone, a potent LTB4 receptor partial agonist from a marine sponge of the genus Dysidea. Tetrahedron Letters, v.30, no.21, 1989. pp.2725-2726

CARY, S. C. (with R. D. Vetter and Horst Felbeck). Habitat characterization and nutritional strategies of the endosymbiont-bearing bivalve Lucinoma aequizonata. Marine Ecology Progress Series, v.55, 1989. pp.31-45

CASTELLINI, M. A. (with Gerald L. Kooyman). Behavior of freely diving animals. Undersea Biomedical Research, v.16, no.5, 1989. pp.355-362

CASTELLINI, M. A. (with R. W. Davis and Gerald L. Kooyman). Blood chemistry regulation during repetitive diving in Weddell seals. Physiological Zoology, v.61, no.5, 1988. pp.379-386

CAYAN, DANIEL R. (with David H. Peterson). The influence of North Pacific atmospheric circulation on streamflow in the west. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.375-397

CHAPMAN, C. H. (with P. M. Shearer). Ray tracing in azimuthally anisotropic media-II. Quasi-shear wave coupling. Geophysical Journal, v.96, 1989. pp.65-83

CHENG, LANNA Biogeography and phylogeny of the sea-skater Halobates. Chinese Journal of Oceanology and Limnology, v.7, no.3, 1989. pp.233-239

CHENG, LANNA Factors limiting the distribution of Halobates species. In: Reproduction, Genetics, and Distribution of Marine Organisms, Twenty-third European Marine Biology Symposium, School of Biological Sciences, University of Wales, Swansea. International Symposium Series, edited by John S. Ryland and Paul A. Tyler. Fredensborg, Denmark, Olsen and Olsen, 1989. pp.357-362

CHERESKIN, T. K. (with Pearn P. Niiler and P. M. Poulain). A numerical study of the effect of upper-ocean shear on flexible drogued drifters. Journal of Atmospheric and Oceanic Technology, v.6, no.2, 1989. pp.243-253

CHERESKIN, T. K. (with Murray D. Levine, Alistair Harding, and Lloyd A. Regier). Observations of near-inertial waves in acoustic Doppler current profiler measurements made during the Mixed Layer Dynamics Experiment. Journal of Geophysical Research, v.94, no.C6, 1989. pp.8135-8145

CORNUELLE, B. (with Walter H. Munk and Peter F. Worcester). Ocean acoustic tomography from ships. Journal of Geophysical Research, v.94, no.C5, 1989. pp.6232-6250

COX, CHARLES S. (with David C. Jacobs). Cartesian Diver observations of double frequency pressure fluctuations in the upper levels of the ocean. Geophysical Research Letters, v.16, no.8, 1989. pp.807-810

CURRAY, JOSEPH R. (with Tissa Munasinghe). Timing of intraplate deformation, northeastern Indian Ocean. Earth and Planetary Science Letters, v.94, 1989. pp.71-77

DAYTON, PAUL K. Interdecadal variation in an Antarctic sponge and its predators from oceanographic climate shifts. Science, v.245, 1989. pp.1484-1486

DAYTON, PAUL K. (with J. H. Carleton, Andrew G. Mackley, and Paul W. Sammarco). Patterns of settlement, survival and growth of oysters across the Great Barrier Reef. Marine Ecology Progress Series, v.54, 1989. pp.75-90

DAYTON, PAUL K. (with Richard J. Seymour, P. E. Parnell, and Mia J. Tegner). Unusual marine erosion in San Diego County from a single storm. Estuarine, Coastal and Shelf Science, v.29, 1989. pp.151-160

DELONG, EDWARD F. (with A. A. Yayanos). Adaptation of the membrane lipids of a deep-sea bacterium to changes in hydrostatic pressure. Science, v.228, 1985. pp.1101-1103

DELONG, EDWARD F. (with A. A. Yayanos). Biochemical function and ecological significance of novel bacterial lipids in deep-sea procaryotes. Applied and Environmental Microbiology, v.51, no.4, 1986. pp.730-737

DELONG, EDWARD F. (with A. A. Yayanos). Properties of the glucose transport system in some deep-sea bacteria. Applied and Environmental Microbiology, v.53, no.3, 1987. pp.527-532

DE MOUSTIER, CHRISTIAN Guest editorial and overview. IEEE Journal of Oceanic Engineering, v.14, no.4, 1989. pp.286-288

DRUFFEL, E. R. M. (with P. M. Williams and Yoshimi Suzuki). Concentrations and radiocarbon signatures of dissolved organic matter in the Pacific Ocean. Geophysical Research Letters, v.16, no.9, 1989. pp.991-994

ELWANY, M. H. S. (with A. A. Khafagy, Douglas L. Inman, and A. M. Fanos). Analysis of waves from arrays at Abu Quir and Ras El-Bar, Egypt. In: Oceanology '88, Proceedings of an International Conference, held in Brighton, U.K., March 8-11, 1988. Advances in Underwater Technology, Ocean Science and Offshore Engineering, v.16. Boston, Graham and Trotman, 1988. pp.89-97

ENGER, PER S. (with Ad. J. Kalmijn and Olav Sand). Behavioral investigations on the functions of the lateral line and inner ear in predation. In: The Mechanosensory Lateral Line, Neurobiology and Evolution, edited by S. Coombs, P. Gorner, and H. Munz. New York, Springer- Verlag, 1989. pp.575-587

ENRIGHT, JAMES T. Convergence during human vertical saccades: probable causes and perceptual consequences. Journal of Physiology, v.410, 1989. pp.45-65

ENRIGHT, JAMES T. Manipulating stereopsis and vergence in an outdoor setting: moon, sky and horizon. Vision Research, v.29, no.12, 1989. pp.1815-1824

ENRIGHT, JAMES T. The parallactic view, statistical testing, and circular reasoning. Journal of Biological Rhythms, v.4, no.2, 1989. pp.295-304

FILLOUX, JEAN H. (with L. K. Law, T. Yukutake, J. Segawa, Y. Hamano, H. Utada, A. White, Alan D. Chave, P. Tarits, and A. W. Green). OFFSHORE EMSLAB: objectives, experimental phase and early results. Physics of the Earth and Planetary Interiors, v.53, 1989. pp.422-431

FISHER, FREDERICK H. FLIP II concept. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18- 21, 1989, Seattle, Washington, Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.1520-1523

FLICK, REINHARD E. (with Antoine Badan-Dangon). Coastal sea levels during the January 1988 storm off the Californias. Shore and Beach, v.57, no.4, 1989. pp.28-31

FROUIN, ROBERT (with David Lingner, Catherine Gautier, Karen S. Baker, and Raymond C. Smith). A simple analytical formula to compute clear sky total and photosynthetically available solar irradiance at the ocean surface. Journal of Geophysical Research, v.94, no.C7, 1989. pp.9731-9742

GERSTBERGER, RUDIGER (with Dennis P. Healy, H. T. Hammel, and E. Simon). Autoradiographic localization and characterization of circumventricular angiotensin II receptors in duck brain. Brain Research, v.400, 1987. pp.165-170

GERSTBERGER, RUDIGER (with Dennis P. Healy and H. T. Hammel). Possible role of periventricular angiotensin II receptors in the regulation of salt gland function in saltwater-acclimated ducks. Wissenschaftliche Zeitschrift der Karl- Marx-Universitat Leipzig. Mathematisch-naturwissenschaftliche Reihe, v.36, no.2, 1987. pp.192-194

GIESKES, JORIS M. (with G. Blanc, P. Vrolijk, J. C. Moore, A. Mascle, E. Taylor, P. Andrieff, F. Alvarez, R. Barnes, C. Beck, J. Behrmann, K. Brown, M. Clark, J. Dolan, A. Fisher, M. Hounslow, P. McLellan, K. Moran, Y. Ogawa, T. Sakai, J. Schoonmaker, R. Wilkins, and C. Williams). Hydrogeochemistry in the Barbados accretionary complex: Leg 110 ODP. Palaeogeography, Palaeoclimatology, Palaeoecology, v.71, 1989. pp.83-96

GIESKES, JORIS M. (with Bernd R. T. Simoneit, Thomas Brown, Timothy Shaw, Yong- Chen Wang, and Andrew Magenheim). Hydrothermal fluids and petroleum in surface sediments of Guaymas Basin, Gulf of California: a case study. Canadian Mineralogist, v.26, 1988. pp.589-602

GIL-TURNES, M. SOFIA (with Mark E. Hay and William Fenical). Symbiotic marine bacteria chemically defend crustacean embryos from a pathogenic fungus. Science, v.246, 1989. pp.116-118

GOLDBERG, EDWARD D. Aquatic transport of chemicals. In: Ecotoxicology and Climate: with Special Reference to Hot and Cold Climates. Scientific Committee on the Problems of the Environment, v.38.

International Program on Chemical Safety Joint Symposium, v.9, edited by P. Bourdeau, J. A. Haines, W. Klein, and C. R. Krishna Murti. New York, Wiley, 1989. pp.51-62

GOMEZ, LEO S. (with A. A. Yayanos and Douglas W. Jackson). Subseabed disposal of high-level nuclear wastes. Advances in Radiation Biology, v.13, 1987. pp.355-402

GRAHAM, JEFFREY B. (with William R. Lowell, N. Chin Lai, and R. Michael Laurs). O2 tension, swimming-velocity, and thermal effects on the metabolic rate of the Pacific albacore Thunnus alalunga. Experimental Biology, v.48, 1989. pp.89-94

GRAHAM, NICHOLAS E. (with Tim P. Barnett, Vijay G. Panchang, Ole M. Smedstad, James J. O'Brien, and Robert M. Chervin). The response of a linear model of the tropical Pacific to surface winds from the NCAR general circulation model. Journal of Physical Oceanography, v.19, no.9, 1989. pp.1222-1243

GRIFFA, ANNALISA (with Rick Salmon). Wind-driven ocean circulation and equilibrium statistical mechanics. Journal of Marine Research, v.47, no.3, 1989. pp.457-492

GUOLIANG, JIN (with Peter F. Worcester). The feasibility of measuring ocean pH by long-range acoustics. Journal of Geophysical Research, v.94, no.C4, 1989. pp.4749-4756

GUSTAFSON, K. (with M. R. Roman and William Fenical). The macrolactins, a novel class of antiviral and cytotoxic macrolides from a deep-sea marine bacterium. Journal of the American Chemical Society, v.111, 1989. pp.7519-7524

HARDING, ALISTAIR (with John A. Orcutt, M. Kappus, E. Vera, J. Mutter, P. Buhl, R. S. Detrick, and T. Brocher). Structure of young oceanic crust at 13 N on the East Pacific Rise from expanding spread profiles. Journal of Geophysical Research, v.94, no.B9, 1989. pp.12,163-12,196

HASLE, GRETHE RYTTER (with C. B. Lange). Freshwater and brackish water Thalassiosira (Bacillariophyceae): taxa with tangentially undulated valves. Phycologia, v.28, no.1, 1989. pp.120-135

HAY, MARK E. (with William Fenical). Marine plant-herbivore interactions: the ecology of chemical defense. Annual Review of Ecology and Systematics, v.19, 1988. pp.111-145

HE, HAI-YIN (with D. John Faulkner). Renieramycins E and F from the sponge Reniera sp.: reassignment of the stereochemistry of the renieramycins. Journal of Organic Chemistry, v.54, 1989. pp.5822-5824

HE, HAI-YIN (with D. John Faulkner, Jay S. Shumsky, Ki Hong, and Jon Clardy). A sesquiterpene thiocyanate and three sesquiterpene isothiocyanates from the sponge Trachyopsis aplysinoides. Journal of Organic Chemistry, v.54, 1989. p.2511-2514

HEDLIN, MICHAEL A. H. (with John A. Orcutt). A comparative study of island, seafloor, and subseafloor ambient noise levels. Bulletin of the Seismological Society of America, v.79, no.1, 1989. pp.172-179

- HEDLIN, MICHAEL A. H. (with J. B. Minster and John A. Orcutt). The time-frequency characteristics of quarry blasts and calibration explosions recorded in Kazakhstan, USSR. Geophysical Journal International, v.99, 1989. pp.109-121
- HEIMANN, MARTIN (with Charles D. Keeling). A three-dimensional model of atmospheric CO2 transport based on observed winds: 2. Model description and simulated tracer experiments. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.237-275
- HEIMANN, MARTIN (with Charles D. Keeling and Compton J. Tucker). A three- dimensional model of atmospheric CO2 transport based on observed winds: 3. Seasonal cycle and synoptic time scale variations. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.277-303
- HERBERS, T. H. C. (with Robert T. Guza). Estimation of wave radiation stresses from slope array data. Journal of Geophysical Research, v.94, no.C2, 1989. pp.2099-2104
- HILDEBRAND, JOHN A. (with L. M. Dorman, Phil Hammer, A. E. Schreiner, and B. Cornuelle). Seismic tomography of Jasper Seamount. Geophysical Research Letters, v.16, 1989. pp.1355-1358
- HODGKISS, W. S. (with V. C. Anderson). The effects of element-level amplitude quantization on broadband beamforming in the presence of sinusoidal interference. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18-21, 1989, Seattle, Washington. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.1105-1110
- HODGKISS, W. S. A modular approach to exploratory data analysis. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18-21, 1989, Seattle, Washington. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.1100-1104
- HODGKISS, W. S. Shape determination of a shallow-water bottomed array. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18-21, 1989, Seattle, Washington. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.1199-1204
- HOFMANN, MICHAEL H. (with Dietrich L. Meyer). Central projections of the nervus terminalis in four species of amphibians. Brain Behavior and Evolution, v.34, 1989. pp.301-307
- HORRIGAN, S. G. (with A. Hagstrom, I. Koike, and Farooq Azam). Inorganic nitrogen utilization by assemblages of marine bacteria in seawater culture. Marine Ecology Progress Series, v.50, 1988. pp.147-150
- HOWE, BRUCE M. (with J. A. Mercer, Robert C. Spindel, and Peter F. Worcester). Accurate positioning for moving ship tomography. In: Oceans '89, An International Conference Addressing Methods for Understanding the Global Ocean, September 18-21, 1989, Seattle, Washington. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1989. pp.880-886

HUNTLEY, MARK E. (with Paul F. Sykes and Victor Marin). Biometry and trophodynamics of Salpa thompsoni foxton (Tunicata: Thaliacea). near the Antarctic Peninsula in austral summer, 1983-1984. Polar Biology, v.10, 1989. pp.59-70

HYNDMAN, R. D. (with P. M. Shearer). Water in the lower continental crust: modelling magnetotelluric and seismic reflection results. Geophysical Journal International, v.98, 1989. pp.343-365

IACOBELLIS, SAM (with Richard C. J. Somerville). Air-sea interactions and the summer monsoon onset. In: Eighteenth Conference on Hurricanes and Tropical Meteorology, May 16-19, 1989, San Diego, California. Boston, American Meteorological Society, 1989. pp.79-80

INMAN, DOUGLAS L. (with Steven S. Pawka and Martha J. Shaw). The NSTS field experiment sites. A. Torrey Pines experiment. In: Nearshore Sediment Transport, edited by Richard J. Seymour. New York, Plenum Press, 1989. pp.7-13

INMAN, DOUGLAS L. (with Robert Dolan). The outer banks of North Carolina: budget of sediment and inlet dynamics along a migrating barrier system. Journal of Coastal Research, v.5, no.2, 1989. pp.193-237,238

INMAN, DOUGLAS L. (with Scott A. Jenkins). Wave overtopping at San Malo Seawall, Oceanside, California. Shore and Beach, v.57, no.3, 1989. pp.19-25

ISAKARI, SHIRLEY M. (with Richard C. J. Somerville). Accurate numerical solutions for Daisyworld. Tellus, v.41B, 1989. pp.478-482

JOHNSON, G. DAVID (with Richard H. Rosenblatt). Mechanisms of light organ occlusion in flashlight fishes, family Anomalopidae(Teleostei: Beryciformes), and the evolution of the group. Zoological Journal of the Linnean Society, v.94, 1988. pp.65-96

KALMIJN, AD. J. Functional evolution of lateral line and inner ear sensory systems. In: The Mechanosensory Lateral Line, Neurobiology and Evolution, edited by S. Coombs, P. Gorner, and H. Munz. New York, Springer-Verlag, 1989. pp.187-215

KATES, M. (with Benjamin E. Volcani). Studies on the biosynthesis of phosphatidylsulfocholine and deoxyceramidesulfonic acid in the diatom Nitschia alba. In: Biological Role of Plant Lipids, Proceedings of the Eighth International Symposium on the Biological Role of Plant Lipids held at Budapest, Hungary, July 25-28, 1988, edited by P,ter A. Biacs, Katalin Gruiz, and Tibor Kremmer. New York, Plenum Press, 1989. pp.13-20

KEELING, CHARLES D. (with Robert Bacastow, Alane F. Carter, S. C. Piper, T. P. Whorf, Martin Heimann, Willem G. Mook, and Hans Roeloffzen). A three-dimensional model of atmospheric CO2 transport based on observed winds: 1. Analysis of observational data. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.165-236

- KEELING, CHARLES D. (with S. C. Piper and Martin Heimann). A three-dimensional model of atmospheric CO2 transport based on observed winds: 4. Mean annual gradients and interannual variations. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.305-363
- KEIR, R. S. Paleoproduction and atmospheric CO2 based on ocean modeling. In: Productivity of the Ocean, Present and Past. Dahlem Workshop Reports. Life Sciences Research Report, v.44, edited by W. H. Berger, V. S. Smetacek and G. Wefer. New York, Wiley, 1989. pp.395-406
- KERNAN, MICHAEL R. (with D. John Faulkner, Laszio Parkanyi, Jon Clardy, M. S. de Carvalho, and R. S. Jacobs). Luffolide, a novel anti-inflammatory terpene from the sponge Luffariella sp. Experientia, v.45, 1989. pp.388-390
- KOBLINSKY, C. J. (with Pearn P. Niiler and W. J. Schmitz, Jr.). Observations of wind-forced deep ocean currents in the North Pacific. Journal of Geophysical Research, v.94, no.C8, 1989. pp.10,773-10,790, 11,007-11,008
- KOOYMAN, GERALD L. Diverse Divers, Physiology and Behavior. Zoophysiology, v.23. New York, Springer-Verlag, 1989. 200p.
- KUSHLAN, DIANA M. (with D. John Faulkner, Laszlo Parkanyi, and Jon Clardy). Metabolites of the Palauan sponge Dactylospongia sp. Tetrahedron, v.45, no.11, 1989. pp.3307-3312
- LAI, N. CHIN (with Jeffrey B. Graham, Valmik Bhargava, William R. Lowell, and R. Shabetai). Branchial blood flow distribution in the blue shark(Prionace glauca). and the leopard shark(Triakis semifasciata). Experimental Biology, v.48, 1989. pp.273-278
- LAI, N. CHIN (with Jeffrey B. Graham, William R. Lowell, and R. Shabetai). Elevated pericardial pressure and cardiac output in the leopard shark Triakis semifasciata during exercise: the role of the pericardioperitoneal canal. Journal of Experimental Biology, v.147, 1989. pp.263-277
- LAL, D. (with Harmon Craig, J. F. Wacker, and R. J. Poreda). 3He in diamonds: the cosmogenic component. Geochimica et Cosmochimica Acta, v.53, 1989. pp.569-574
- LAL, D. (with Y. Chung, T. Platt, and T. Lee). Twin cosmogenic radiotracer studies of phosphorus recycling and chemical fluxes in the upper ocean. Limnology and Oceanography, v.33, no.6, part 2, 1988. pp.1559-1567
- LANGE, C. B. (with Erik E. Syvertsen). Cyclotella litoralis sp. nov. (Bacillariophyceae), and its relationships to C. Striata and C. stylorum. Nova Hedwigia, v.48, no.3-4, 1989. pp.341-356
- LEWIN, RALPH A. (with Lanna Cheng). Some lipogenic, eukaryotic, picopleuston algae from the Caribbean region. Phycologia, v.28, no.1, 1989. pp.96-108

LIN, PAUL P.-C. (with Benjamin E. Volcani). Novel adenosine 3',5'-cyclic monophosphate dependent protein kinases in a marine diatom. Biochemistry, v.28, 1989. pp.6624-6631

LIU, W. TIMOTHY (with Catherine Gautier). Remote sensing of the thermal forcing on the tropical Pacific. In: Remote Sensing, An Economic Tool for the Nineties, 1989 International Geoscience and Remote Sensing Symposium(IGARSS '89). and URSI Commission F Meeting, Twelfth Canadian Symposium on Remote Sensing, July 10- 14th, v.4, 1989. Canada, IGARSS '89, Twelfth Canadian Symposium on Remote Sensing, 1989. pp.2669-2671

LONGUET-HIGGINS, MICHAEL S. Monopole emission of sound by asymmetric bubble oscillations. Part 1. Normal modes. Journal of Fluid Mechanics, v.201, 1989. pp.525-541

LONGUET-HIGGINS, MICHAEL S. Monopole emission of sound by asymmetric bubble oscillations. Part 2. An initial-value problem. Journal of Fluid Mechanics, v.201, 1989. pp.543-565

LONGUET-HIGGINS, MICHAEL S. Some integral theorems relating to the oscillations of bubbles. Journal of Fluid Mechanics, v.204, 1989. pp.159-166

LONSDALE, PETER Geology and tectonic history of the Gulf of California. In: The Eastern Pacific Ocean and Hawaii. The Geology of North American, v.N, edited by E. L. Winterer, Donald M. Hussong, and Robert W. Decker. Boulder, Colo., Geological Society of America, 1989. pp.499-521

MACKAS, DAVID L. (with William R. Crawford and Pearn P. Niiler). A performance comparison for two Lagrangian drifter designs. Atmosphere-Ocean, v.27, no.2, 1989. pp.443-456

MANKER, DENISE C. (with D. John Faulkner, Thomas J. Stout, and Jon Clardy). The baconipyrones: novel polypropionates from the pulmonate Siphonaria baconi. Journal of Organic Chemistry, v.54, 1989. pp.5371-5374

MANKER, DENISE C. (with D. John Faulkner). Vallartanones A and B, polypropionate metabolites of Siphonaria maura from Mexico. Journal of Organic Chemistry, v.54, 1989. pp.5374-5377

MARCUS, ANDREW H. (with Tadeusz F. Molinski, Eoin Fahy, D. John Faulkner, Changfu Xu, and Jon Clardy). 5-Isothiocyanatopupukeanane from a sponge of the genus Axinyssa. Journal of Organic Chemistry, v.54, 1989. pp.5184-5186

MASTERS, T. G. Low-frequency seismology and the three-dimensional structure of the earth. Philosophical Transactions of the Royal Society of London, Series A, v.328, 1989. pp.329-349

MCCOSKER, JOHN E. (with Richard H. Rosenblatt). Notes on the biology, taxonomy, and distribution of flashlight fishes(Beryciformes: Anomalopidae). Japanese Journal of Ichthyology, v.34, no.2, 1987. pp.157-164

MCNALLY, GERARD J. (with Douglas S. Luther and Warren B. White). Subinertial frequency response of wind-driven currents in the mixed layer measured by drifting buoys in the midlatitude North Pacific. Journal of Physical Oceanography, v.19, no.3, 1989. pp.290-300

MERCER, J. B. (with H. T. Hammel). Total calorimetry and temperature regulation in the nine-banded armadillo. Acta Physiologica Scandinavica, v.135, 1989. pp.579-589

MERRIFIELD, MARK A. (with Clinton D. Winant). Shelf circulation in the Gulf of California: a description of the variability. Journal of Geophysical Research, v.94, no.C12, 1989. pp.18,133-18,160

MILES, JOHN W. Edge waves on a gently sloping beach. Journal of Fluid Mechanics, v.199, 1989. pp.125-131

MILES, JOHN W. On resonant response of a weakly damped, non-linear oscillator. Journal of Sound and Vibration, v.131, no.3, 1989. pp.489-496

MILES, JOHN W. The pendulum from Huygens' Horologium to symmetry breaking and chaos. In: Theoretical and Applied Mechanics, Proceedings of the Seventeenth International Congress of Theoretical and Applied Mechanics, held in Grenoble, France, August 21-27, 1988, edited by Paul Germain, Monique Piau, and Denis Caillerie. New York, Elsevier Science, 1989. pp.193-215

MILES, JOHN W. Resonance and symmetry breaking for a Duffing oscillator. SIAM Journal on Applied Mathematics, v.49, no.3, 1989. pp.968-981

MILES, JOHN W. Symmetries of internally resonant, parametrically excited surface waves. Physical Review Letters, v.63, no.13, 1989. p.1436

MILLER, ARTHUR J. On the barotropic planetary oscillations of the Pacific. Journal of Marine Research, v.47, 1989. pp.569-594

MULLIN, MICHAEL M. (with Elaine R. Brooks and Elizabeth Fuglister Stewart). Nearshore, surface-dwelling zooplanktonic assemblages off southern California during the anomalous winters of 1983 and 1984. Continental Shelf Research, v.9, no.1, 1989. pp.19-36

MUNK, WALTER H. (with W. C. O'Reilly and Joseph L. Reid). Australia-Bermuda sound transmissions experiment(1960). revisted. Journal of Physical Oceanography, v.18, no.12, 1988. pp.1876-1898

MUNK, WALTER H. (with A. M. G. Forbes). Global ocean warming: an acoustic measure? Journal of Physical Oceanography, v.19, no.11, 1989. pp.1765-1778

NAPP, J. M. (with Elaine R. Brooks, Freda M. H. Reid, Patricia A. Matrai, and Michael M. Mullin). Vertical distribution of marine particles and grazers. I. Vertical distribution of food quality and quantity. Marine Ecology Progress Series, v.50, 1988. pp.45-58

NAPP, J. M. (with Elaine R. Brooks, Patricia A. Matrai, and Michael M. Mullin). Vertical distribution of marine particles and grazers. II. Relation of grazer distribution to food quality and quantity. Marine Ecology Progress Series, v.50, 1988. pp.59-72

NEWMAN, WILLIAM A. Juvenile ontogeny and metamorphosis in the most primitive living sessile barnacle, Neoverruca, from abyssal hydrothermal springs. Bulletin of Marine Science, v.45, no.2, 1989. pp.467-477

NEWMAN, WILLIAM A. (with Robert R. Hessler). A new abyssal hydrothermal verrucomorphan (Cirripedia; Sessilia): the most primitive living sessile barnacle. Transactions of the San Diego Society of Natural History, v.21, no.16, 1989. pp.259-273

NIILER, PEARN P. (with P. M. Poulain and L. R. Haury). Synoptic three-dimensional circulation in an onshore-flowing filament of the California Current. Deep-Sea Research, v.36, no.3, 1989. pp.385-405

NORTHCUTT, R. GLENN Brain variation and phylogenetic trends in elasmobranch fishes. Journal of Experimental Zoology, Supplement 2, 1989. pp.83-100

NORTHCUTT, R. GLENN (with Wolfgang Plassmann). Electrosensory activity in the telencephalon of the axolotl. Neuroscience Letters, v.99, 1989. pp.79-84

NORTHCUTT, R. GLENN The phylogenetic distribution and innervation of craniate mechanoreceptive lateral lines. In: The Mechanosensory Lateral Line, Neurobiology and Evolution, edited by S. Coombs, P. Gorner, and H. Munz. New York, Springer-Verlag, 1989. pp.17-78

OHMAN, MARK D. (with Janet M. Bradford and John B. Jillett). Seasonal growth and lipid storage of the circumglobal, subantarctic copepod, Neocalanus tonsus (Brady). Deep-Sea Research, v.36, no.9, 1989. pp.1309-1326

OWEN, ROBERT W. Microscale and finescale variations of small plankton in coastal and pelagic environments. Journal of Marine Research, v.47, 1989. pp.197-240

PERRIN, WILLIAM F. Dolphins, Porpoises, and Whales: An Action Plan for the Conservation of Biological Diversity: 1988-1992. Gland, Switzerland, International Union for Conservation of Nature and Natural Resources/Species Survival Commission, 1989. 28p.

PERRIN, WILLIAM F. (with Nobuyuki Miyazaki and Toshio Kasuya). A dwarf form of the spinner dolphin(Stenella longirostris). from Thailand. Marine Mammal Science, v.5, no.3, 1989. pp.213-227

PETERSON, DAVID H. (with Daniel R. Cayan, John F. Festa, Frederic H. Nichols, Roy A. Walters, James V. Slack, Steven E. Hager, and Laurence E. Schemel). Climate variability in an estuary: effects of riverflow on San Francisco Bay. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph, v.55, edited by David H. Peterson. Washington, D.C., American Geophysical Union, 1989. pp.419-441

PORTER, DONALD C. (with Gary W. Moy and Victor D. Vacquier). The amino terminal sequence of sea urchin sperm histone H1 and its phosphorylation by egg cytosol. Comparative Biochemistry and Physiology, v.92B, no.2, 1989. pp.381-384

POULAIN, P. M. (with Pearn P. Niiler). Statistical analysis of the surface circulation in the California Current System using satellite-tracked drifters. Journal of Physical Oceanography, v.19, no.10, 1989. pp.1588-1603

PUZDROWSKI, RICHARD L. (with R. Glenn Northcutt). Central projections of the pineal complex in the silver lamprey Ichthyomyzon unicuspis. Cell and Tissue Research, v.225, 1989. pp.269-274

RAO, C. BHEEMASANKARA (with D. Venkata Rao, Vegesna S. N. Raju, Brian Sullivan, and D. John Faulkner). Two new alkaloids from an Indian species of Zoanthus. Heterocycles, v.28, no.1, 1989. pp.103-106

RICHOU, OLIVIER (with Valerie Vaillancourt, D. John Faulkner, and Kim F. Albizati). Synthesis and absolute configuration of(-)-furodysinin. New transformations of camphor derivatives. Journal of Organic Chemistry, v.54, 1989. pp.4729-4730

RIEDEL, WILLIAM R. Identify: a prolog program to help identify fossils. Computers and Geosciences, v.15, no.5, 1989. pp.809-823

ROADS, JOHN OWENS Dynamical extended-range forecasts of the lower tropospheric thickness. Monthly Weather Review, v.117, no.1, 1989. pp.3-28

ROADS, JOHN OWENS Linear and nonlinear responses to middle latitude surface temperature anomalies. Journal of Climate, v.2, no.9, 1989. pp.1014-1046

ROEMMICH, DEAN (with Tracy McCallister). Large scale circulation of the North Pacific Ocean. Progress in Oceanography, v.22, no.2, 1989. pp.171-204

ROEMMICH, DEAN Mean transport of mass, heat, salt and nutrients in southern California coastal waters: implications for primary production and nutrient cycling. Deep-Sea Research, v.36, no.9, 1989. pp.1359-1378

ROGERS, DAVID P. The marine boundary layer in the vicinity of an ocean front. Journal of the Atmospheric Sciences, v.46, no.13, 1989. pp.2044-2062

ROSENBLATT, RICHARD H. (with Raymond R. Wilson, Jr.). Cutlassfishes of the genus Lepidopus(Trichiuridae), with two new eastern Pacific species. Japanese Journal of Ichthyology, v.33, no.4, 1987. pp.342-351

ROSENBLATT, RICHARD H. (with Daniel M. Cohen). Fishes living in deepsea thermal vents in the tropical eastern Pacific, with descriptions of a new genus and two new species of eelpouts(Zoarcidae). Transactions of the San Diego Society of Natural History, v.21, no.4, 1986. pp.71-79

ROSENBLATT, RICHARD H. (with Robin S. Waples). A genetic comparison of allopatric populations of shore fish species from the eastern and central Pacific Ocean: dispersal or vicariance? Copeia, no.2, 1986. pp.275-284

SASAGAWA, GLENN S. (with Mark A. Zumberge). Five-year frequency stability of a Zeeman stabilized laser. Applied Optics, v.28, no.5, 1989. pp.824-825

SCHAROLD, JILL (with N. Chin Lai, William R. Lowell, and Jeffrey B. Graham). Metabolic rate, heart rate, and tailbeat frequency during sustained swimming in the leopard shark Triakis semifasciata. Experimental Biology, v.48, 1989. pp.223-230

SEYMOUR, RICHARD J. (with Mia J. Tegner, Paul K. Dayton, and P. E. Parnell). Storm wave induced mortality of giant kelp, Macrocystis pyrifera, in southern California. Estuarine, Coastal and Shelf Science, v.28, 1989. pp.277-292

SEYMOUR, RICHARD J. Unusual damage from a Californis storm. Shore and Beach, v.57, no.3, 1989. p.31

SEYMOUR, RICHARD J. Wave observations in the storm of 17-18 January, 1988. Shore and Beach, v.57, no.4, 1989. pp.10-13

SHEARER, P. M. (with C. H. Chapman). Ray tracing in azimuthally anisotropic media-I. Results for models of aligned cracks in the upper crust. Geophysical Journal, v.96, 1989. pp.51-64

SIMON, MEINHARD (with Farooq Azam). Protein content and protein synthesis rates of planktonic marine bacteria. Marine Ecology Progress Series, v.51, 1989. pp.201-213

SIMONOT, JEAN-YVES R. (with Catherine Gautier). Satellite estimates of surface evaporation in the Indian Ocean during the 1979 monsoon. Ocean-Air Interactions, v.1, 1989. pp.239-256

SMITH, JEROME Doppler sonar and surface waves: range and resolution. Journal of Atmospheric and Oceanic Technology, v.6, no.4, 1989. pp.680-696

SMITH, MARK F. (with T. G. Masters). Aspherical structure constraints from free oscillation frequency and attenuation measurements. Journal of Geophysical Research, v.94, no.B2, 1989. pp.1953-1976

SMITH, MARK F. (with T. G. Masters). The effect of Coriolis coupling of free oscillation multiplets on the determination of aspherical earth structure. Geophysical Research Letters, v.16, no.3, 1989. pp.263-266

SMITH, PAUL E. (with Mark D. Ohman and Laurence E. Eber). Analysis of the patterns of distribution of zooplankton aggregations from an acoustic Doppler current profiler. California Cooperative Oceanic Fisheries Investigations Reports, v.30, 1989. pp.88-103

SOMERVILLE, RICHARD C. J. (with Sam Iacobellis). Climate stability and cloud optical thickness feedbacks. In: Symposium on the Role of Clouds in Atmospheric Chemistry and Global Climate, January 30 - February 3, 1989, Anaheim, California. Boston, American Meteorological Society, 1989. pp.60-62

SOMERVILLE, RICHARD C. J. (with Sam Iacobellis and Shirley M. Isakari). Tropical cirrus and climate stability. In: Eighteenth Conference on Hurricanes and Tropical Meteorology, May 16-19, 1989, San Diego, California. Boston, American Meteorological Society, 1989. pp.1-2

STANG, PETER M. (with Edward D. Goldberg). Butyltins in California river and lake marina waters. Applied Organometallic Chemistry, v.3, 1989. pp.183-187

STEVENSON, ROBERT E. Oceanography from the Space Shuttle, edited by David C. Honhart. Washington, D.C., University Corporation for Atmospheric Research and the Office of Naval Research, United States Navy, 1989. p.200.

STEWART, JOAN G. Establishment, persistence and dominance of Corallina(Rhodophyta) in algal turf. Journal of Phycology, v.25, 1989. pp.436- 446

STEWART, JOAN G. Maintenance of a balanced, shifting boundary between the seagrass Phyllospadix and algal turf. Aquatic Botany, v.33, 1989. pp.223-241

STEWART, JOAN G. Notes on marine algae of San Diego County including merger of Murrayellopsis with Veleroa. Bulletin of the southern California Academy of Sciences, v.88, no.3, 1989. pp.103-116

STRIEDTER, GEORG F. (with R. Glenn Northcutt). Two distinct visual pathways through the superficial pretectum in a percomorph teleost. Journal of Comparative Neurology, v.283, 1989. pp.342-354

SUGIHARA, GEORGE (with Kenneth Schoenly and Alan Trombla). Scale invariance in food web properties. Science, v.245, 1989. pp.48-52

TAI, CHANG-KOU Accuracy assessment of widely used orbit error approximations in satellite altimetry. Journal of Atmospheric and Oceanic Technology, v.6, no.1, 1989. pp.147-150

TAI, CHANG-KOU An efficient algorithm for computing the crossovers in satellite altimetry. Journal of Atmospheric and Oceanic Technology, v.6, no.1, 1989. pp.13-18

TAI, CHANG-KOU (with Warren B. White and Steven E. Pazan). Geosat crossover analysis in the tropical Pacific. 2. Verification analysis of altimetric sea level maps with expendable bathythermograph and island sea level data. Journal of Geophysical Research, v.94, no.C1, 1989. pp.897-908

TAI, CHANG-KOU On generating altimetric sea level time series from crossover differences. Marine Geodesy, v.12, 1988. pp.303-313

TAROKH, M. Approach to pole assignment by centralised and decentralised output feedback. IEE Proceedings, v.136, pt.D, no.2, 1989. pp.89-97

TAROKH, M. Simulation analysis of dynamics and decentralized control of robot manipulators. Simulation, v.53, no.4, 1989. pp.169-176

TEGNER, MIA J. The California abalone fishery: production, ecological interactions, and prospects for the future. In: Marine Invertebrate Fisheries: their Assessment and Management, edited by John F. Caddy. New York, Wiley, 1989. pp.401-420

TEGNER, MIA J. (with Paul A. Breen and Cleridy E. Lennert). Population biology of red abalones, Haliotis rufescens, in southern California and management of the red and pink, H. Corrugata, abalone fisheries. Fishery Bulletin, v.87, 1989. pp.313-339

TOURNADRE, JEAN (with Catherine Gautier). Automatic cloud field analysis based on spectral and textural signatures. In: RSRM '87, Advances in Remote Sensing Retrieval Methods, edited by Adarsh Deepak, Henry E. Fleming, and John S. Theon. Hampton, Va., Deepak Publishing, 1989. pp.391-409

TRENT, JONATHAN D. (with A. A. Yayanos). Pressure effects on the temperature range for growth and survival of the marine bacterium Vibrio harveyi: implications for bacteria attached to sinking particles. Marine Biology, v.89, 1985. pp.165-172

TSUCHIYA, MIZUKI Circulation of the Antarctic Intermediate Water in the North Atlantic Ocean. Journal of Marine Research, v.47, 1989. pp.747-755

VACQUIER, VICTOR, D. (with Donald C. Porter, Steven H. Keller, and Milo Aukerman). Egg jelly induces the phosphorylation of histone H3 in spermatozoa of the sea urchin Arbacia punctulata. Developmental Biology, v.133, 1989. pp.111-118

VALLIS, GEOFFREY K. (with G. F. Carnevale and W. R. Young). Extremal energy properties and construction of stable solutions of the Euler equations. Journal of Fluid Mechanics, v.207, 1989. pp.133-152

VOLK, TYLER (with Robert Bacastow). The changing patterns of pCO2 between ocean and atmosphere. Global Biogeochemical Cycles, v.3, no.2, 1989. pp.179-189

WALKER, H. J., JR. (with Richard H. Rosenblatt). Pacific toadfishes of the genus Porichthys (Batrachoididae). with descriptions of three new species. Copeia, no.4, 1988. pp.887-904

WAPLES, ROBIN S. (with Richard H. Rosenblatt). Patterns of larval drift in southern California marine shore fishes inferred from allozyme data. Fishery Bulletin, v.85, no.1, 1987. pp.1-11

WARD, B. B. (with K. A. Kilpatrick, A. E. Wopat, E. C. Minnich, and M. E. Lidstrom). Methane oxidation in Saanich Inlet during summer stratification. Continental Shelf Research, v.9, no.1, 1989. pp.65-75

WEISS, RAY F. (with B. A. Price). Dead Sea gas solubilities. Earth and Planetary Science Letters, v.92, 1989. pp.7-10

WHITE, F. N. (with James W. Hicks and Atsushi Ishimatsu). Relationship between respiratory state and intracardiac shunts in turtles. American Journal of Physiology, v.256, 1989. pp.R240-R247

WHITE, F. N. Temperature and acid-base regulation. Advances in Anesthesia, v.6, 1989. pp.67-95

WHITE, THOMAS E. (with Douglas L. Inman). Measuring longshore transport with tracers. In: Nearshore Sediment Transport, edited by Richard J. Seymour. New York, Plenum Press, 1989. pp.287-312

WHITE, THOMAS E. (with Douglas L. Inman). Transport determination by tracers. B. Application of tracer theory to NSTS experiments. In: Nearshore Sediment Transport, edited by Richard J. Seymour. New York, Plenum Press, 1989. pp.115-128

WU, GUOPING (with Wolfgang H. Berger). Planktonic foraminifera: differential dissolution and the quaternary stable isotope record in the west equatorial Pacific. Paleoceanography, v.4, no.2, 1989. pp.181-198

WULLIMANN, MARIO F. (with R. Glenn Northcutt). Afferent connections of the valvula cerebelli in two teleosts, the common goldfish and the green sunfish. Journal of Comparative Neurology, v.289, 1989. pp.554-567

WULLIMANN, MARIO F. (with R. Glenn Northcutt). Connections of the corpus cerebelli in the green sunfish and the common goldfish: a comparison of perciform and cypriniform teleosts. Brain, Behavior and Evolution, v.32, 1988. pp.293-316

WYATT, FRANK Displacement of surface monuments: vertical motion. Journal of Geophysical Research, v.94, no.B2, 1989. pp.1655-1664

YAYANOS, A. A. (with Allan S. Dietz). Death of a hadal deep-sea bacterium after decompression. Science, v.220, 1983. pp.497-498

YAYANOS, A. A. (with Edward F. DeLong). Deep-sea bacterial fitness to environmental temperatures and pressures. In: Current Perspectives in High Pressure Biology, edited by H. W. Jannasch, R. E. Marquis, and A. M. Zimmerman. Orlando, Florida, Academic Press, 1987. pp.17-32

YAYANOS, A. A. (with Allan S. Dietz and R. Van Boxtel). Dependence of reproduction rate on pressure as a hallmark of deep-sea bacteria. Applied and Environmental Microbiology, v.44, no.6, 1982. pp.1356-1361

YAYANOS, A. A. Evolutional and ecological implications of the properties of deep-sea barophilic bacteria. Proceedings of the National Academy of Science of the United States of America, v.83, 1986. pp.9542-9546

YAYANOS, A. A. (with R. Van Boxtel and Allan S. Dietz). Reproduction of Bacillus stearothermophilus as a function of temperature and pressure. Applied and Environmental Microbiology, v.46, no.6, 1983. pp.1357-1363

YAYANOS, A. A. (with Allan S. Dietz). Thermal inactivation of a deep-sea barophilic bacterium, isolate CNPT-3. Applied and Environmental Microbiology, v.43, no.6, 1982. pp.1481-1489

YAYANOS, A. A. Thermal neutrons could be a cause of biological extinctions 65 Myr ago. Nature, v.303, no.5920, 1983. pp.797-800

ZAGALSKY, P. F. (with Francis Haxo, S. Hertzberg, and S. Liaaen-Jensen). Studies on a blue carotenoprotein, linckiacyanin, isolated from the starfish Linckia laevigata (Echinodermata: Asteroidea). Comparative Biochemistry and Physiology, v.93B, no.2, 1989. pp.339-353

- ZAMPOL, JAMES A. (with Douglas L. Inman). Suspended sediment measurements. B. Discrete measurements of suspended sediment. In: Nearshore Sediment Transport, edited by Richard J. Seymour. New York, Plenum Press, 1989. pp.259-272
- ZHOU, MAO MEI (with Liu Jing Yi, Kathe K. Bertine, Minoru Koide, and Edward D. Goldberg). Atmospheric pollution in Beijing, China, as recorded in sediments of the Summer Palace Lake. Environmental Conservation, v.16, no.3, 1989. pp.233-236
- ALBERT, DONALD G. (with John A. Orcutt). Acoustic pulse propagation above grassland and snow: comparison of theoretical and experimental waveforms. Journal of Acoustical Society of America, v.87, no.1, 1990. pp.93-100
- ALMAGOR, D. (with W. S. Hodgkiss). The performance of two classes of active sonar detectors in a shallow water environment. In: ICASSP 90, v.5, EU, Spectral Estimation Underwater Signal Processing, 1990 International Conference on Acoustics, Speech, and Signal Processing, April 3-6, 1990, Albuquerque Convention Center, Albuquerque, New Mexico. New York, Institute of Electrical and Electronics Engineers, 1990. pp.2723-2726.
- ANDERSON, L. G. (with E. P. Jones, K. Peter Koltermann, P. Schlosser, James H. Swift, and D. W. R. Wallace). The first oceanographic section across the Nansen Basin in the Arctic Ocean. Deep-Sea Research, v.36, no.3, 1989. pp.475-482
- ASTER, RICHARD C. (with P. M. Shearer and Jon Berger). Quantitative measurements of shear wave polarizations at the Anza seismic network, southern California: implications for shear wave splitting and earthquake prediction. Journal of Geophysical Research, v.95, no.B8, 1990. pp.12,449-12,473
- BACASTOW, ROBERT (with E. Maier-Reimer). Ocean-circulation model of the carbon cycle. Climate Dynamics, v.4, 1990. pp.95-125
- BAGINSKY, MARIETTA L. (with C. David Stout and Victor D. Vacquier). Diffraction quality crystals of lysin from spermatozoa of the red abalone (Haliotis rufescens). Journal of Biological Chemistry, v.265, no.9, 1990. pp.4958-4961
- BAKER, A. DE C. (with Brian P. Boden and Edward Brinton). In: A Practical Guide to the Euphausiids of the World. London, Natural History Museum Publications, 1990. 96p.
- BALI, DOREEN K. L. (with Vicky Liokas, Mary J. Garson, and D. John Faulkner). Structural and stereochemical studies on brominated meroterpenoids from the dictyoceratid sponge Cacospongia sp. Australian Journal of Chemistry, v.43, 1990. pp.2009-2020
- BARRY, JAMES P. (with Mia J. Tegner). Inferring demographic processes from size- frequency distributions: simple models indicate specific patterns of growth and mortality. Fishery Bulletin, v.88, 1989. pp.13-19
- BARTLETT, DOUGLAS (with Miriam Wright, A. A. Yayanos, and Michael Silverman). Isolation of a gene regulated by hydrostatic pressure in a deep-sea bacterium. Nature, v.342, no.6249, 1989. pp.572-574

BIDIGARE, ROBERT R. (with J. Marra, T. D. Dickey, Rudolfo Iturriaga, Karen S. Baker, Raymond C. Smith, and Hasong Pak). Evidence for phytoplankton succession and chromatic adaptation in the Sargasso Sea during spring 1985. Marine Ecology Progress Series, v.60, 1990. pp.113-122

BODEN, BRIAN P. (with Freda M. H. Reid). Marine plankton diatoms between Cape Town and the Prince Edward Islands (SW Indian Ocean). South African Journal of Antarctic Research, v.19, no.2, 1989. pp.2-49

BOOKBINDER, LOUIS H. (with Gary W. Moy and Victor D. Vacquier). Identification of sea urchin sperm adenylate cyclase. Journal of Cell Biology, v.111, 1990. pp.1859-1866

BRAY, N. A. (with Clinton D. Winant, T. H. Kinder, and Julio Candela). Generation and kinematics of the internal tide in the Strait of Gibraltar. In: the Physical Oceanography of Sea Straits. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.318, edited by L. J. Pratt. Boston, Kluwer Academic Publishers, 1990. pp.477-491

BULLOCK, THEODORE HOLMES An agenda for research on chaotic dynamics. In: Chaos in Brain Function, edited by Erol Basar. New York, Springer-Verlag, 1990. pp.31-41

BULLOCK, THEODORE HOLMES (with G. Buzski and Michael C. McClune). Coherence of compound field potentials reveals discontinuities in the CA1-subiculum of the hippocampus in freely-moving rats. Neuroscience, v.38, no.3, 1990. pp.609-619

BULLOCK, THEODORE HOLMES (with Michael H. Hofmann, Frederick K. Nahm, John G. New, and James C. Prechtl). Event-related potentials in the retina and optic tectum of fish. Journal of Neurophysiology, v.64, no.3, 1990. pp.903-914

BULLOCK, THEODORE HOLMES Goals of neuroethology, roots, rules, and relevance go beyond stories of special adaptations. BioScience, v.40, no.4, 1990. pp.244-248

CANDELA, JULIO (with Clinton D. Winant). Tides in the Strait of Gibraltar. Journal of Geophysical Research, v.95, no.C5, 1990. pp.7313-7335

CHAVE, ALAN D. (with Douglas S. Luther). Low-frequency, motionally induced electromagnetic fields in the ocean. 1. Theory. Journal of Geophysical Research, v.95, no.C5, 1990. pp.7185-7200

CHAVE, ALAN D. (with Agusta H. Flosadottir and Charles S. Cox). Some comments on seabed propagation of ULF/ELF electromagnetic fields. Radio Science, v.25, no.5, 1990. pp.825-836

CHENG, LANNA Biogeography and phylogeny of the sea-skater Halobates. Chinese Journal of Oceanology and Limnology, v.7, no.3, 1989. pp.233-239

CHENG, LANNA (with Martien A. Baars and Swier S. Oosterhuis). Halobates in the Banda Sea (Indonesia): monsoonal differences in abundance and species composition. Bulletin of Marine Science, v.47, no.2, 1990. pp.421-430

CLARKE, R. ALLYN (with James H. Swift, Joseph L. Reid, and K. Peter Koltermann). The formation of Greenland Sea Deep Water: double diffusion or deep convection? Deep-Sea Research, v.37, no.9, 1990. pp.1385-1424

COHEN, DANIEL M. (With Richard H. Rosenblatt and H. Geoffrey Moser). Biology and description of a bythitid fish from deep-sea thermal vents in the tropical eastern Pacific. Deep-Sea Research, v.37, no.2, 1990. pp.267-283

CONSTABLE, CATHERINE G. (with Lisa Tauxe). The bootstrap for magnetic susceptibility tensors. Journal of Geophysical Research, v.95, no.B6, 1990. pp.8383-8395

CONSTABLE, CATHERINE G. A simple statistical model for geomagnetic reversals. Journal of Geophysical Research, v.95, no.B4, 1990. pp.4587-4596

CRAIG, HARMON Introduction of Karl K. Turekian for the 1989 V. M. Goldschmidt Award. Geochimica et Cosmochimica Acta, v.54, no.4, 1990. pp.1201-1203

CURRAY, JOSEPH R. The Sunda Arc: a model for oblique plate convergence. Netherlands Journal of Sea Research, v.24, no.2/3, 1989. pp.131-140

CURRAY, JOSEPH R. (and Tissa Munasinghe). Timing of intraplate deformation, northeastern Indian Ocean. Earth and Planetary Science Letters, v.94, 1989. pp.71-77

DAHLHOFF, ELIZABETH (with Sabine Schneidemann and George N. Somero). Pressure- temperature interactions on M4-lactate dehydrogenases from hydrothermal vent fishes: evidence for adaptation to elevated temperatures by the Zoarcid Thermarces andersoni, but not by the Bythitid, Bythites hollisi. Biological Bulletin, v.179, 1990. pp.134-139

DAYTON, PAUL K. (with Mia J. Tegner). Bottoms beneath troubled waters: benthic impacts of the 19821984 El Nino in the temperate zone. In: Global Ecological Consequences of the 1982-83 El Nino-Southern Oscillation. Elsevier Oceanography Series, no.52, edited by P. W. Glynn. New York, Elsevier, 1990. pp.433-472

DAYTON, PAUL K. Polar benthos. In: Polar Oceanography. Part B. Chemistry, Biology, and Geology, edited by Walker O. Smith, Jr. San Diego, CA., Academic Press, 1990. pp.631-685

DE MOUSTIER, CHRISTIAN (with Peter Lonsdale and Alexander Shor). Simultaneous operation of the Sea Beam multibeam echo-sounder and the SeaMARC II bathymetric sidescan sonar system. IEEE Journal of Oceanic Engineering, v.15, no.2, 1990. pp.84-94

DICKEY, ROBERT W. (with Steven C. Bobzin, D. John Faulkner, F. Aladar Bencsath, and Denis Andrzejewski). Identification of okadaic acid from a Caribbean dinoflagellate, Prorocentrum concavum. Toxicon, v.28, no.4, 1990. pp.371-377

DICKSON, ANDREW G. (with David J. Wesolowski, Donald A. Palmer, and Robert E. Mesmer). Dissociation constant of bisulfate ion in aqueous sodium chloride solutions to 250ÄC. Journal of Physical Chemistry, v.94, 1990. pp.7978-7985

DICKSON, ANDREW G. Standard potential of the reaction: AgCl(s)+1/2H2(g)= Ag(s). + HCl(aq), and and[sic] the standard acidity constant of the ion HSO4 in synthetic sea water from 273.15 to 318.15 K. Journal of Chemical Thermodynamics, v.22, 1990. pp.113-127

DICKSON, ANDREW G. Thermodynamics of the dissociation of boric acid in potassium chloride solutions from 273.15 to 318.15 K. Journal of Chemical and Engineering Data, v.35, 1990. pp.253-257

DICKSON, ANDREW G. Thermodynamics of the dissociation of boric acid in synthetic seawater from 273.15 to 318.15 K. Deep-Sea Research, v.37, no.5, 1990. pp.755-766

DOLAN, ROBERT (with Douglas L. Inman and Bruce Hayden). The Atlantic coast storm of March 1989. Journal of Coastal Research, v.6, no.3, 1990. pp.721-725

DRUFFEL, E. R. M. (with P. M. Williams). Identification of a deep marine source of particulate organic carbon using bomb 14C. Nature, v.347, no.6289, 1990. pp.172-174

ELGAR, STEVE (with M. H. Freilich and Robert T. Guza). Model-data comparisons of moments of nonbreaking shoaling surface gravity waves. Journal of Geophysical Research, v.95, no.C9, 1990. pp.16,055-16,063

ELGAR, STEVE (with M. H. Freilich and Robert T. Guza). Recurrence in truncated Boussinesq models for nonlinear waves in shallow water. Journal of Geophysical Research, v.95, no.C7, 1990. pp.11,547-11,556

ELWANY, M. H. S. (with John Reitzel and M. Rustin Erdman). Modification of coastal currents by power plant intake and thermal discharge systems. Coastal Engineering, v.14, 1990. pp.359-383

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.7, no.4, 1990. pp.269-309

FREILICH, M. H. (with Robert T. Guza and Steve Elgar). Observations of nonlinear effects in directional spectra of shoaling gravity waves. Journal of Geophysical Research, v.95, no.C6, 1990. pp.9645-9656

FROUIN, ROBERT (with Pierre-Yves Deschamps and Pierre Lecomte). Determination from space of atmospheric total water vapor amounts by differential absorption near 940 nm: theory and airborne verification. Journal of Applied Meteorology, v.29, no.6, 1990. pp.448-460

FROUIN, ROBERT (with Armando F. G. Fiœza, Isabel Ambar, and Timothy J. Boyd). Observations of a poleward surface current off the coasts of Portugal and Spain during winter. Journal of Geophysical Research, v.95, no.C1, 1990. pp.679-691

GIVEN, HOLLY K. (with Nikolai T. Tarasov, Vladimir Zhuravlev, Frank Vernon, Jon Berger, and Igor L. Nersesov). High-frequency seismic observations in eastern Kazakhstan, USSR, with emphasis on chemical explosion experiments. Journal of Geophysical Research, v.95, no.B1, 1990. pp.295-307

GIVEN, HOLLY K. Variations in broadband seismic noise at IRIS/IDA stations in the USSR with implications for event detection. Bulletin of the Seismological Society of America, v.80, no.6, 1990. pp.2072-2088

GLASER, K. B. (with M. S. De Carvalho, R. S. Jacobs, Michael R. Kernan, and D. John Faulkner). Manoalide: structure-activity studies and definition of the pharmacophore for phospholipase A2 inactivation. Molecular Pharmacology, v.36, 1989. pp.782-788

GOLDBERG, EDWARD D. Protecting the wet commons. Environmental Science and Technology, v.24, no.4, 1990. pp.450-454

GOLDBERG, EDWARD D. (with Minora Koide). Understanding the marine chemistries of the platinum group metals. Marine Chemistry, v.30, 1990. pp.249-257

GRAHAM, JEFFREY B. (with Heidi Dewar, N. Chin Lai, William R. Lowell, and Steve M. Arce). Aspects of shark swimming performance determined using a large water tunnel. Journal of Experimental Biology, v.151, 1990. pp.175-192

HALPERN, DAVID (with Robert Knox). Coherence between low-level cloud motion vectors and surface wind measurements near 0, 152W from April 1979 to February 1980. Atmosphere-Ocean, v.21, no.1, 1983. pp.82-93

HALPERN, DAVID (with Robert Knox, Douglas S. Luther, and S. George H. Philander). Estimates of equatorial upwelling between 140 and 110 W during 1984. Journal of Geophysical Research, v.94, no.C6, 1989. pp.8018-8020

HALPERN, DAVID (with Robert Knox and Douglas S. Luther). Observations of 20-day period meridional current oscillations in the upper ocean along the Pacific equator. Journal of Physical Oceanography, v.18, no.11, 1988. pp.1514-1534

HAMMEL, H. T. (with D. A. Gray and E. Simon). Blood from salt loaded donor ducks induces salt gland excretion in recipient ducks. FASEB Journal, Abstracts Part 1, v.4, no.3, 1990. p.A413

HAMMEL, H. T. (with N. H. March). Gravitational field effects on membrane equilibrium, distended water and the liquid-vapour interface. Physics and Chemistry of Liquids, v.20, 1989. pp.177-186

HAMMEL, H. T. Homeostasis: embracing negative feedback enhanced and sustained by positive feedback. In: Physiological Function in Special Environments, edited by Charles V. Paganelli and Leon E. Farhi. New York, Springer-Verlag, 1989. pp.191-202

HAMMEL, H. T. Negative plus positive feedback. In: Thermoreception and Temperature Regulation, edited by J. Bligh and K. Voigt. New York, Springer- Verlag, 1990. pp.174-182

HAMMEL, H. T. Neural control of salt gland excretion; enhanced and sustained by autofacilitation. In: Progress in Avian Osmoregulation. Special Publication of the Leeds Philosophical and Literary Society,

edited by Maryanne R. Hughes and A. Chadwick. Leeds, U.K., Leeds Philosophical and Literary Society, 1989. pp.163-181

HARRISON, D. E. (with Douglas S. Luther). Surface winds from tropical Pacific islandsclimatological statistics. Journal of Climate, v.3, no.2, 1990. pp.251- 271

HAURY, L. R. (with Hidekatsu Yamazaki and E. C. Itsweire). Effects of turbulent shear flow on zooplankton distribution. Deep-Sea Research, v.37, no.3, 1990. pp.447-461

HAYGOOD, MARGO G. Relationship of the luminous bacterial symbiont of the Caribbean flashlight fish, Kryptophanaron alfredi, (family Anomalopidae). to other luminous bacteria based on bacterial luciferase (lux A). genes. Archives of Microbiology, v.154, 1990. pp.496-503

HEBBELN, DIERK (with G. Wefer and Wolfgang H. Berger). Pleistocene dissolution fluctuations from apparent depth of deposition in Core ERDC-127P, west- equatorial Pacific. Marine Geology, v.92, 1990. pp.165-176

HEMMINGSEN, BARBARA B. (with Linda Carlson Ducoeur, Shelli J. Grapp, Vidar Skaug, and Edvard A. Hemmingsen). Gas supersaturation tolerances in amoeboid cells before and after ingestion of bubble-promoting particles. Cell Biophysics, v.17, 1990. pp.37-51

HEMMINGSEN, EVARD A. (with Barbara B. Hemmingsen). Bubble formation properties of hydrophobic particles in water and cells of Tetrahymena. Undersea Biomedical Research, v.17, no.1, 1990. pp.67-78

HENDERSON, DIANE M. (with John W. Miles). Single-mode Faraday waves in small cylinders. Journal of Fluid Mechanics, v.213, 1990. pp.95-109

HERBERS, T. H. C. (with Robert T. Guza). Estimation of directional wave spectra from multicomponent observations. Journal of Physical Oceanography, v.20, no.11, 1990. pp.1703-1724

HERBERT, TIMOTHY D. (with Steven L. D'Hondt). Precessional climate cyclicity in Late Cretaceous-Early Tertiary marine sediments: a high resolution chronometer of Cretaceous Tertiary boundary events. Earth and Planetary Science Letters, v.99, 1990. pp.263-275

HEWES, C.D. (With E. Sakshaug, O. Holm-Hansenm, and Freda M. H. Reid). Microbial autotrophic and heterotrophic eucaryotes in Antarctic waters: relationships between biomass, and chlorophyll, adenosine triphosphate and particulate organic carbon. Marine Ecology Progress Series, v.63, no.1, 1990. pp.27-35

HILDEBRAND, JOHN A. (with W. S. Hodgkiss). Large-aperture arrays for VLF ambient noise and signal propagation studies. In: Conference Proceedings, Oceans '90, September 24-26, 1990, Convention Center, Washington, D.C., Engineering in the Ocean Environment. Piscataway, N. J., Institute of Electrical and Electronics Engineers, 1990. pp.24-28

HILDEBRAND, JOHN A. (with J. Mark Stevenson, Philip T. C. Hammer, Mark A. Zumberge, Robert L. Parker, Christopher G. Fox, and Philip J. Meis). A seafloor and sea surface gravity survey of axial volcano. Journal of Geophysical Research, v.95, no.B8, 1990. pp.12,751-12,763

HODGKISS, W. S. (with R. K. Brienzo). Broadband source detection and range/depth localization via full-wavefield (matched field). processing. In: ICASSP 90, v.5, EU, Spectral Estimation Underwater Signal Processing, 1990 International Conference on Acoustics, Speech, and Signal Processing, April 3-6, 1990, Albuquerque Convention Center, Albuquerque, New Mexico. New York, Institute of Electrical and Electronics Engineers, 1990. pp.2743-2746

HODGKISS, W. S. (with John C. Nickles). Real-time data management in a UNIX network environment. In: Conference Proceedings, Oceans '90, September 24-26, 1990, Convention Center, Washington, D.C., Engineering in the Ocean Environment. Piscataway, N. J., Institute of Electrical and Electronics Engineers, 1990. pp.294-297

HULSEMANN, K. (with Abraham Fleminger). Taxonomic value of minute structures on the genital segment of Pontellina females (Copepoda: Calanoida). Marine Biology, v.105, 1990. pp.99-108

HUNTER, JOHN R. (with John L. Butler, Carol Kimbrell, and Eric A. Lynn). Bathymetric patterns in size, age, sexual maturity, water content, and caloric density of Dover sole, Microstomus pacificus. California Cooperative Oceanic Fisheries Investigations Reports, v.31, 1990. pp.132-144.

IACOBELLIS, SAM (with Richard C. J. Somerville). A one dimensional coupled air- sea model for diagnostic studies during TOGA-COARE. In: Proceedings of the Western Pacific International Meeting and Workshop on TOGA-COARE, held at Centre ORSTOM de Noumca, New Caledonia, May 24-30, 1989, edited by Joal Picaut, Roger Lukas, and Thierry Delcroix. Honolulu, Hawaii, Joint Institute for Marine and Atmospheric Research, University of Hawaii, 1989. pp.419-422

JAFFE, JULES S. (with Philippe M. Cassereau and Donna J. Glassbrenner). Code design and performance characterization for code multiplexed imaging. IEEE Transactions on Acoustics, Speech, and Signal Processing, v.38, no.8, 1990. pp.1321-1329

JAFFE, JULES S. Computer modeling and the design of optimal underwater imaging systems. IEEE Journal of Oceanic Engineering, v.15, no.2, 1990. pp.101-111

JAFFE, JULES S. Limited angle reconstruction using stabilized algorithms. IEEE Transactions on Medical Imaging, v.9, no.3, 1990. pp.338-344

JAHNE, BERND (with Klaus S. Riemer). Two-dimensional wave number spectra of small-scale water surface waves. Journal of Geophysical Research, v.95, no.C7, 1990. pp.11,531-11,546

JENKINS, SCOTT A. (with Joseph Wasyl). Optimization of glides for constant wind fields and course headings. Journal of Aircraft, v.27, no.7, 1990. pp.632-638

JENKINS, SCOTT A. (with Joseph Wasyl). Resuspension of estuarial fine sediments by tethered wings. Journal of Coastal Research, v.6, no.4, 1990. pp.961-980

KAPPUS, M. (with Alistair Harding and John A. Orcutt). A comparison of tau-p transform methods. Geophysics, v.55, no.9, 1990. pp.1202-1215

KENT, G. M. (with Alistair Harding and John A. Orcutt). Evidence for a smaller magma chamber beneath the East Pacific Rise at 9-30N. Nature, v.344, no.6267, 1990. pp.650-653

KIM, KYUNG-RYUL (with Harmon Craig). Two-isotope characterization of N2O in the Pacific Ocean and constraints on its origin in deep water. Nature, v.347, no.6288, 1990. pp.58-61

KIMURA, YOSHIFUMI (with Ireneusz Zawadzki and H. Aref). Vortex motion, sound radiation, and complex time singularities. Physics of Fluids A, v.2, no.2, 1990. pp.214-219

KNOPOFF, L. (with P. A. Rydelek, W. Zurn, and D. Agnew). Observations of load tides at the South Pole. Physics of the Earth and Planetary Interiors, v.54, 1989. pp.33-37

KNOX, ROBERT The Indian Ocean: interaction with the monsoon. In: Monsoons, edited by Jay S. Fein and Pamela L. Stephens. New York, John Wiley & Sons, 1987. pp.365-397

KNOX, ROBERT (with David Halpern). Long range Kelvin wave propagation of transport variations in Pacific Ocean equatorial currents. Journal of Marine Research, v.40, Supplement, 1982. pp.329-339

KNOX, ROBERT Ocean acoustic tomography: a primer. In: Oceanic Circulation models: Combining Data and Dynamics. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.284, edited by David T. Anderson and Jurgen Willebrand. Boston, Kluwer Academic Publishers, 1988. pp.141-188

KNOX, ROBERT Oceanographyphysical, overview of the Physical Oceanography Report. Reviews of Geophysics, v.25, no.2, 1987. pp.181-182

KNOX, ROBERT (with D. L. T. Anderson). Recent advances in the study of the low-latitude ocean circulation. Progress in Oceanography, v.14, 1985. pp.259-317

KOOYMAN, GERALD L. Emperors of Antarctica. Equinox, no.54, 1990. pp.36-46

KOOYMAN, GERALD L. (with J. L. Mullins). Ross Sea emperor penguin breeding populations estimated by aerial photography. In: Antarctic Ecosystems, Ecological Change and Conservation, edited by K. R. Kerry and G. Hempel. New York, Springer-Verlag, 1990. pp.169-176

KUMA, K. (with W. Paplawsky, B. Gedulin and Gustaf Arrhenius). Mixed-valence hydroxides as bioorganic host minerals. Origins of Life and Evolution of the Biosphere, v.19, 1989. pp.573-602

LAI, N. CHIN (with Jeffrey B. Graham and Louis Burnett). Blood respiratory properties and the effect of swimming on blood gas transport in the leopard shark Triakis semifasciata. Journal of Experimental Biology, v.151, 1990. pp.161-173

LAI, N. CHIN (with R. Shabetai, Jeffrey B. Graham, Brian D. Hoit, Katharina S. Sunnerhagen, and Valmik Bhargava). Cardiac function of the leopard shark, Triakis semifasciata. Journal of Comparative Physiology B, v.160, 1990. pp.259-268

LAL, D. (with A. J. T. Jull). On determining ice accumulation rates in the past 40,000 years using in situ cosmogenic 14C. Geophysical Research Letters, v.17, no.9, 1990. pp.1303-1306

LAL, D. (with A. J. T. Jull, D. J. Donahue, D. Burtner, and K. Nishiizumi). Polar ice ablation rates measured using in situ cosmogenic 14C. Nature, v.346, no.6282, 1990. pp.350-352

LARGIER, JOHN L. Deep surface mixed layers on the continental shelf. Continental Shelf Research, v.10, no.8, 1990. pp.759-776

LAVANIEGOS-ESPEJO, BERTA E. (with Jose R. Lara-Lara and Edward Brinton). Effects of the 1982-83 El Nino event on the euphausiid populations of the Gulf of California. California Cooperative Oceanic Fisheries Investigations Reports, v.30, 1989. pp.73-87

LEE, LUKE T. (with Theodore Holmes Bullock). Cerebellar units show several types of early responses to telencephalic stimulation in catfish. Brain, Behavior and Evolution, v.35, 1990. pp.278-290

LEE, LUKE T. (with Theodore Holmes Bullock). Cerebellar units show several types of long-lasting posttetanic responses to telencephalic stimulation in catfish. Brain, Behavior and Evolution, v.35, 1990. pp.291-301

LEE, LUKE T. (with Theodore Holmes Bullock). Responses of the optic tectum to telencephalic stimulation in catfish. Brain, Behavior and Evolution, v.35, 1990. pp.313-324

LEWIN, RALPH A. Calcification of cell walls of Chlamydomonas (Volvocales, Chlorophyta). on agar media. Phycologia, v.29, no.4, 1990. pp.536-540

LEWIN, RALPH A. (with Lanna Cheng). Collection and handling of Prochloron and its ascidian hosts. In: Prochloron, A Microbial Enigma, edited by Ralph A. Lewin and Lanna Cheng. New York, Chapman and Hall, 1989. pp.9-18

LEWIN, RALPH A. (with Lanna Cheng). Introduction. In: Prochloron, A Microbial Enigma, edited by Ralph A. Lewin and Lanna Cheng. New York, Chapman and Hall, 1989. pp.1-7

LINDQUIST, NIELS (with William Fenical). Polycarpamines A-E, antifungal disulfides from the marine ascidian Polycarpa auzata. Tetrahedron Letters, v.31, no.17, 1990. pp.2389-2392

LOSS, R. D. (with G. W. Lugmair). Zinc isotope anomalies in Allende meteorite inclusions. Astrophysical Journal, v.360, 1990. pp.L59-L62.

LOWELL, WILLIAM R. Aerobic metabolism and swimming energetics of the painted turtle, Chrysemys picta. Experimental Biology, v.48, 1990. pp.349-355

LOWERY, MARY SUE (with George N. Somero). Starvation effects on protein synthesis in red and white muscle of the barred sand bass, Paralabrax nebulifer. Physiological Zoology, v.63, no.3, 1990. pp.630-648

LUTHER, DOUGLAS S. (with Eric S. Johnson). Eddy energetics in the upper equatorial Pacific during the Hawaii-to-Tahiti Shuttle Experiment. Journal of Physical Oceanography, v.20, no.7, 1990. pp.913-944

LUTHER, DOUGLAS S. (with Alan D. Chave, Jean H. Filloux, and Peter F. Spain). Evidence for local and nonlocal barotropic responses to atmospheric forcing during BEMPEX. Geophysical Research Letters, v.17, no.7, 1990. pp.949-952

LYNN, RONALD J. (with James J. Simpson). The flow of the undercurrent over the continental borderland off southern California. Journal of Geophysical Research, v.95, no.C8, 1990. pp.12,995-13,008

MAGNELL, Bruce A. (with N. A. Bray, Clinton D. Winant, Cheryl L. Greengrove, J. Largier, J. F. Borchardt, Robert L. Bernstein, and C. E. Dorman). Convergent shelf flow at Cape Mendocino. Oceanography, v.3, no.1, 1990. pp.4-11,64

MASTERS, T. G. (with P. M. Shearer). Summary of seismological constraints on the structure of the Earth's core. Journal of Geophysical Research, v.95, no.B13, 1990. pp.21,691-21,695

MEINCKE, J. (with K. Aagaard, H. V. Aken, E. Buch, A. Clarke, B. Cornuelle, E. Fahrbach, A. Foldvik, J.-Cl. Gascard, P. Gudmandsen, H.-J. Hirche, H. Hoeber, Robert Knox, S. Kristmannsson, S. Legutke, J. Lynch, S.-A. Malmberg, B. Machenhauer, Walter H. Munk, D. Quadfasel, M. Rhein, B. Rudels, P. Schlosser, F. Schott, James H. Swift, T. Vinje, P. Wadhams, A. Warpakowski, and Peter F. Worcester). Greenland Sea Project, a venture toward improved understanding of the oceans' role in climate. Eos, v. 71, no.24, 1990. pp.750-751,754-755

MERCER, J. B. (with H. T. Hammel). Total calorimetry and temperature regulation in the nine-banded armadillo. Acta Physiologica Scandinavica, v.135, 1989. pp.579-589.

MERRIFIELD, Mark A. (with Robert T. Guza). Detecting propagating signals with complex empirical orthogonal functions: a cautionary note. Journal of Physical Oceanography, v.20, no.10, 1990. pp.1628-1633

MILES, JOHN W. Capillary-viscous forcing of surface waves. Journal of Fluid Mechanics, v.219, 1990. pp.635-646

MILES, JOHN W. Parametrically excited standing edge waves. Journal of Fluid Mechanics, v.214, 1990. pp.43-57

MILES, JOHN W. (with Diane M. Henderson). Parametrically forced surface waves. Annual Review of Fluid Mechanics, v.22, 1990. pp.143-165

MILES, JOHN W. Wave motion in a viscous fluid of variable depth. Journal of Fluid Mechanics, v.212, 1990. pp.365-372

MILES, JOHN W. Wave reflection from a gently sloping beach. Journal of Fluid Mechanics, v.214, 1990. pp.59-66

MILLER, ARTHUR J. (with John Owen Roads). A simplified coupled model of extended-range predictability. Journal of Climate, v.3, no.5, 1990. pp.523-542

MULLIN, MICHAEL M. (with Alessandra Conversi). Biomasses of euphausiids and smaller zooplankton in the California Current geographic and interannual comparisons relative to the Pacific whiting, Merluccius productus, fishery. Fishery Bulletin, v.87, 1988. pp.633-644

NISHIIZUMI, K. (with J. Klein, R. Middleton, and Harmon Craig). Cosmogenic 10Be, 26Al, and 3He in olivine from Maui lavas. Earth and Planetary Science Letters, v.98, 1990. pp.263-266

NORTHCUTT, R. GLENN The lateral line system of the axolotl. Axolotl Newsletter, no.19, 1990. pp.5-14

NORTHCUTT, R. GLENN Ontogeny and phylogeny: a re-evaluation of conceptual relationships and some applications. Brain, Behavior and Evolution, v.36, 1990. pp.116-140

OHMAN, MARK D. (with J. R. Wilkinson). Comparative standing stocks of mesozooplankton and macrozooplankton in the southern sector of the California Current system. Fishery Bulletin, v.87, 1989. pp.967-976

OHMAN, MARK D. The demographic benefits of diel vertical migration by zooplankton. Ecological Monographs, v.60, no.3, 1990. pp.257-281

OWEN, ROBERT W. (with N. C. H. Lo, John L. Butler, G. H. Theilacker, Angeles Alvarino, John R. Hunter, and Y. Watanabe). Spawning and survival patterns of larval northern anchovy, Engraulis mordax, in contrasting environments site- intensive study. Fishery Bulletin, v.87, 1989. pp.673-688

PADUAN, JEFFREY D. (with Pearn P. Niiler). A Lagrangian description of motion in northern California coastal transition filaments. Journal of Geophysical Research, v.95, no.C10, 1990. pp.18,095-18,109

PARKER, ROBERT L. (with Mark A. Zumberge). An analysis of geophysical experiments to test Newton's law of gravity. Nature, v.342, no.6245, 1989. pp.29-32

PAUL, VALERIE J. (with Niels Lindquist and William Fenical). Chemical defenses of the tropical ascidian Atapozoa sp. and its nudibranch predators Nembrotha spp. Marine Ecology Progress Series, v.59, 1990. pp.109-118

PAULL, C. K. (with Fred N. Spiess, Joseph R. Curray, and David C. Twichell). Origin of Florida Canyon and the role of spring sapping on the formation of submarine box canyons. Geological Society of America Bulletin, v.102, 1990. pp.502-515

PONGANIS, PAUL J. (with Edward P. Ponganis, Katherine V. Ponganis, Gerald L. Kooyman, Roger L. Gentry, and Fritz Trillmich). Swimming velocities in otariids. Canadian Journal of Zoology, v.68, 1990. pp.2105-2112

POREDA, R. J. (with K. Marti and Harmon Craig). Rare gases and hydrogen in native metals. In: From Mantle to Meteorites, A Garland of Perspectives, A Festschrift for Devendra Lal, edited by K. Gopalan, V.

K. Gaur, B. L. K. Somayajulu, and J. Douglas Macdougall. Bangalore, India, Indian Academy of Sciences, 1990. pp.153-172

REID, JOSEPH L. On the total geostrophic circulation of the South Atlantic Ocean: flow patterns, tracers, and transports. Progress in Oceanography, v.23, 1989. pp.149-244

RIDDLE, M. J. (with D. M. Alongi, Paul K. Dayton, J. A. Hansen, and D. W. Klumpp). Detrital pathways in a coral reef lagoon. I. Macrofaunal biomass and estimates of production. Marine Biology, v.104, 1990. pp.109-118

RIEDEL, WILLIAM R. (with L. E. Tway). Artificial intelligence applications in paleontology and stratigraphy. In: Statistical Applications in the Earth Sciences, Proceedings of a Colloquim, Ottawa, Ontario, 14-18 November, 1988. Geological Survey of Canada, Paper 89-9, edited by F. P. Agterberg and G. F. Bonham-Carter. Ottawa, Canada, Geological Survey of Canada, 1990. pp.383-388

RIO, D. (with R. Thunell, R. Sprovieri, David Bukry, E. Destefano, M. Howell, I. Raffi, C. Sancetta, and Annika Sanfilippo). Stratigraphy and depositional history of the Pliocene Bianco section, Calabria, southern Italy. Palaeogeography, Palaeoclimatology, Palaeoecology, v.76, 1989. pp.85-105

ROJSTACZER, STUART (with D. Agnew). The influence of formation material properties on the response of water levels in wells to earth tides and atmospheric loading. Journal of Geophysical Research, v.94, no.B9, 1989. pp.12,403-12,411

RONAN, MARK (with R. Glenn Northcutt). Projections ascending from the spinal cord to the brain in petromyzontid and myxinoid agnathans. Journal of Comparative Neurology, v.291, 1990. pp.491-508

ROUSSIS, VASSILIOS (with Zhongde Wu, William Fenical, Scott A. Strobel, Gregory D. Van Duyne, and Jon Clardy). New antiinflammatory pseudopterosins from the marine octocoral Pseudopterogorgia elisabethae. Journal of Organic Chemistry, v.55, 1990. pp.4916-4922

SALMON, RICK The thermocline as an "internal boundary layer." Journal of Marine Research, v.48, no.3, 1990. pp.437-469

SALV, JAVIER (with D. John Faulkner). Metabolites of the sponge Strongylophora durissima from Maricabn Island, Philippines. Journal of Organic Chemistry, v.55, 1990. pp.1941-1943

SALV, JAVIER (with D. John Faulkner). A new brominated diphenyl ether from a Philippine Dysidea species. Journal of Natural Products, v.53, no.3, 1990. pp.757-760

SANFILIPPO, ANNIKA (with William R. Riedel). Morphometric analysis of evolving Eocene Podocyrtis (radiolaria). morphotypes using shape coordinates. In: Proceedings of the Michigan Morphometrics Workshop, held at the University of Michigan, Ann Arbor, Michigan from May 16 through May 28, 1988. Special Publication no.2, edited by F. James Rohlf and Fred L. Bookstein. Ann Arbor, Michigan, University of Michigan Museum of Zoology, 1990. pp.345-362

SANFILIPPO, ANNIKA Origin of the subgenera Cyclampterium, Paralampterium and Sciadiopeplus from Lophocyrtis (Lophocyrtis). (Radiolaria, Theoperidae). Marine Micropaleontology, v.15, 1990. pp.287-312

SASAGAWA, GLENN S. (with Mark A. Zumberge, J. Mark Stevenson, Ted Lautzenhiser, Jim Wirtz, and Mark E. Ander). The 1987 southeastern Alaska gravity calibration range: absolute and relative gravity measurements. Journal of Geophysical Research, v.94, no.B6, 1989. pp.7661-7666

SCHREINER, A. E. (with L. M. Dorman). Coherence lengths of seafloor noise: effect of ocean bottom structure. Journal of the Acoustical Society of America, v.88, no.3, 1990. pp.1503-1514

SHADWICK, R. E. (with E. K. Nilsson). The importance of vascular elasticity in the circulatory system of the cephalopod Octopus vulgaris. Journal of Experimental Biology, v.152, 1990. pp.471-484

SHEARER, P. M. (with T. G. Masters). The density and shear velocity contrast at the inner core boundary. Geophysical Journal International, v.102, 1990. pp.491-498

SHEARER, P. M. Seismic imaging of upper-mantle structure with new evidence for a 520-km discontinuity. Nature, v.344, no.6262, 1990. pp.121-126

SIEGEL, D. A. (with Rudolfo Iturriaga, Robert R. Bidigare, Raymond C. Smith, Hasong Pak, T. D. Dickey, J. Marra, and Karen S. Baker). Meridional variations of the springtime phytoplankton community in the Sargasso Sea. Journal of Marine Research, v.48, 1990. pp.379-412

SIMPSON, JAMES J. (with Christopher Humphrey). An automated cloud screening algorithm for daytime advanced very high resolution radiometer imagery. Journal of Geophysical Research, v.95, no.C8, 1990. pp.13,459-13,481,13,599-13,607

SIMPSON, JAMES J. (with Ronald J. Lynn). A mesoscale eddy dipole in the offshore California Current. Journal of Geophysical Research, v.95, no.C8, 1990. pp.13,009-13,022

SIMPSON, JAMES J. On the accurate detection and enhancement of oceanic features observed in satellite data. Remote Sensing of Environment, v.33, 1990. pp.17-33

SLOAN, FORREST E. (with Richard J. Seymour). Environmental testing using a compliant load-frame. Journal of Composite Materials, v.24, 1990. pp.727-738

SMETHIE, WILLIAM M., JR. (with James H. Swift). The tritium: krypton-85 age of Denmark Strait Overflow Water and Gibbs Fracture Zone Water just south of Denmark Strait. Journal of Geophysical Research, v.94, no.C6, 1989. pp.8265-8275

SMITH, DANIEL P. B. (with Theodore Holmes Bullock). Model nerve net can produce rectilinear, non-diffuse propagation as seen in the skin plexus of sea urchins. Journal of Theoretical Biology, v.143, 1990. pp.15-40

SMITH, JEROME Modulation of short wind waves by long waves. In: Surface Waves and Fluxes, Volume 1 - Current Theory, edited by G. L. Geernaert and W. L. Plant. Boston, Kluwer Academic Publishers, 1990. pp.247-284

SMITH, PAUL E. (with Mark D. Ohman and Laurence E. Eber). Analysis of the patterns of distribution of zooplankton aggregations from an acoustic Doppler current profiler. California Cooperative Oceanic Fisheries Investigations. Reports, v.30, 1989. pp.88-103

SOTIRIN, BARBARA J. (with John A. Hildebrand). Acoustic navigation of a large- aperture array. Journal of the Acoustical Society of America, v.87, no.1, 1990. pp.154-167

SOTIRIN, BARBARA J. (with W. S. Hodgkiss). Fine-scale measurements of the vertical ambient noise field. Journal of the Acoustical Society of America, v.87, no.5, 1990. pp.2052-2063

SOTIRIN, BARBARA J. (with Jean-Marie Q. D. Tran and W. S. Hodgkiss). Matched field processing of deep-water ambient noise. IEEE Journal of Oceanic Engineering, v.15, no.4, 1990. pp.316-323

SPIESBERGER, J. L. (with T. G. Birdsall, K. Metzger, Robert Knox, C. W. Spofford, and R. C. Spindel). Measurements of Gulf Stream meandering and evidence of seasonal thermocline development using long-range acoustic transmissions. Journal of Physical Oceanography, v.13, no.10, 1983. pp.1836-1846

SPINDEL, ROBERT C. (with Peter F. Worcester). Ocean acoustic tomography. Scientific American, v.262, no.10, 1990. pp.94-99

SPINDEL, ROBERT C. (with Peter F. Worcester). Ocean acoustic tomography programs: accomplishments and plans. In: Conference Proceedings, Oceans '90, September 24- 26, 1990, Convention Center, Washington, D.C., Engineering in the Ocean Environment. Piscataway, N. J., Institute of Electrical and Electronics Engineers, 1990. pp.1-10

STOMMEL, HENRY (with Robert J. Stanley, George P. Knapp, Robert Knox, and Anthony Amos). Descent of bottom water along the rise in the Brazilian Basin. Journal of Physical Oceanography, v.13, no.3, 1983. pp.554-558

STOSCH, H.-G. (with G. W. Lugmair). Geochemistry and evolution of MORB-type eclogites from the Munchberg Massif, southern Germany. Earth and Planetary Science Letters, v.99, 1990. pp.230-249

STUESSE, SHERRY L. (with William L. R. Cruce and R. Glenn Northcutt). Distribution of tyrosine hydroxylase- and serotonin-immunoreactive cells in the central nervous systems of the thornback guitarfish, Platyrhinoidis triseriata. Journal of Chemical Neuroanatomy, v.3, 1990. pp.45-58

SWIFT, JAMES H. (with K. Peter Koltermann). The origin of Norwegian Sea Deep Water. Journal of Geophysical Research, v.93, no.C4, 1988. pp.3563-3569

TAI, CHANG-KOU (with Warren B. White). Eddy variability in the Kuroshio Extension as revealed by Geosat altimetry: energy propagation away from the jet, Reynolds stress, and seasonal cycle. Journal of Physical Oceanography, v.20, no.11, 1990. pp.1761-1777

TARDUNO, JOHN A. Absolute inclination values from deep sea sediments: a reexamination of the Cretaceous Pacific record. Geophysical Research Letters, v.17, no.1, 1990. pp.101-104

TARDUNO, JOHN A. Brief reversed polarity interval during the Cretaceous Normal Polarity Superchron. Geology, v.18, 1990. pp.683-686

TARDUNO, JOHN A. (with Michael McWilliams and Norman Sleep). Fast instantaneous oceanic plate velocities recorded by the Cretaceous Laytonville Limestone: paleomagnetic analysis and kinematic implications. Journal of Geophysical Research, v.95, no.B10, 1990. pp.15,503-15,527

TEGNER, MIA J. The feasibility of enhancing red sea urchin, Strongylocentrotus franciscanus, stocks in California: an analysis of the options. Marine Fisheries Review, v.51, no.2, 1989. pp.1-22

THOMAS, WILLIAM H. (with Carl H. Gibson). Effects of small-scale turbulence on microalgae. Journal of Applied Phycology, v.2, 1990. pp.71-77

THOMAS, WILLIAM H. (with Carl H. Gibson). Quantified small-scale turbulence inhibits a red tide dinoflagellate, Gonyaulax polyedra Stein. Deep-Sea Research, v.37, no.10, 1990. pp.1583-1593

TSUCHIYA, MIZUKI (with Roger Lukas, Rana A. Fine, Eric Firing, and Eric Lindstrom). Source waters of the Pacific Equatorial Undercurrent. Progress in Oceanography, v.23, 1989. pp.101-147

VACQUIER, VICTOR D. (with Kristin R. Carner and C. David Stout). Species-specific sequences of abalone lysin, the sperm protein that creates a hole in the egg envelope. Proceedings of the National Academy of Sciences of the United States of America, v.87, 1990. pp.5792-5796

VENRICK, ELIZABETH L. Mesoscale patterns of chlorophyll a in the Central North Pacific. Deep-Sea Research, v.37, no.6, 1990. pp.1017-1031

VENRICK, ELIZABETH L. Phytoplankton in an oligotrophic ocean: species structure and interannual variability. Ecology, v.71, no.4, 1990. pp.1547-1563

VERA, E. (with J. Mutter, P. Buhl, John A. Orcutt, Alistair J. Harding, M. Kappus, R. S. Detrick, and T. Brocher). The structure of 0- to 0.2-m.y.-old oceanic crust at 9-N on the East Pacific Rise from expanded spread profiles. Journal of Geophysical Research, v.95, no.B10, 1990. pp.15,529-15,556

VOLK, TYLER (with Robert Bacastow). The changing patterns of pCO2 between ocean and atmosphere. Global Biogeochemical Cycles, v.3, no.2, 1989. pp.179-189

WAHL, DARRIN D. (with James J. Simpson). Physical processes affecting the objective determination of near-surface velocity from satellite data. Journal of Geophysical Research, v.95, no.C8, 1990. pp.13,511-13,528

WALKER, H. J., Jr. Aulostomidae-Trumpetfishes. In: The Larvae of Indo-Pacific Shorefishes, by J. M. Leis and T. Trnski, with contributions by B. Bruce, P. L. Colin, G. P. Jenkins, G. D. Johnson, H.-C. Liew, A. G.

Miskiewicz, S. E. Reader, D. J. Russell, H. J. Walker, Jr., B. B. Washington, W. Watson, and P. Wirtz. Honolulu, Hawaii, University of Hawaii Press in association with The Australian Museum, 1989. pp.94-97

WATSON, KENNETH The coupling of surface and internal gravity waves: revisited. Journal of Physical Oceanography, v.20, no.9, 1990. pp.1233-1248

WEYDERT, MARCO M. P. Measurements of the acoustic backscatter of selected areas of the deep seafloor and some implications for the assessment of manganese nodule resources. Journal of the Acoustical Society of America, v.88, no.1, 1990. pp.350-366

WHITE, WARREN B. (with Chang-Kou Tai and John DiMento). Annual Rossby wave characteristics in the California Current region from the GEOSAT Exact Repeat Mission. Journal of Physical Oceanography, v.20, no.9, 1990. pp.1297-1311

WHITE, WARREN B. (with Chang-Kou Tai and William R. Holland). Continuous assimilation of Geosat altimetric sea level observations into a numerical synoptic ocean model of the California Current. Journal of Geophysical Research, v.95, no.C3, 1990. pp.3127-3148

WHITE, WARREN B. (with Chang-Kou Tai and William R. Holland). Continuous assimilation of simulated Geosat altimetric sea level into an eddy-resolving numerical ocean model. 1. Sea level differences. Journal of Geophysical Research, v.95, no.C3, 1990. pp.3219-3234

WHITE, WARREN B. (with Chang-Kou Tai and William R. Holland). Continuous assimilation of simulated Geosat altimetric sea level into an eddy-resolving numerical ocean model. 2. Referenced sea level differences. Journal of Geophysical Research, v.95, no. C3, 1990. pp.3235-3251

WHITE, WARREN B. (with Nicholas E. Graham and Chang-Kou Tai). Reflection of annual Rossby waves at the maritime western boundary of the tropical Pacific. Journal of Geophysical Research, v.95, no.C3, 1990. pp.3101-3116.

WICHT, HELMUT (with R. Glenn Northcutt). Retinofugal and retinopetal projections in the Pacific hagfish, Eptatretus stouti (Myxinoidea). Brain, Behavior and Evolution, v.36, 1990. pp.315-328

WIEBE, PETER H. (with Charles B. Miller, John A. McGowan, and Robert Knox). Long time series study of oceanic ecosystems. Eos, v.68, no.44, 1987. pp.1178-1190

WIENS, R. (with D. Lal and Harmon Craig). Helium and carbon isotopes in Indian diamonds. Geochimica et Cosmochimica Acta, v.54, 1990. pp.2587-2591

WISNER, ROBERT L. (with Charmion B. McMillan). Three new species of hagfishes, genus Eptatretus (Cyclostomata, Myxinidae), from the Pacific coast of north America, with new data on E. deani and E. stoutii. Fishery Bulletin, v.88, 1990. pp.787-804

WOODWARD, ROBERT L. (with T. G. Masters). Calibration and data quality of the long-period SRO/ASRO networks, 1977 to 1980. Bulletin of the Seismological Society of America, v.79, no.6, 1989. pp.1972-1983

WORCESTER, PETER F. (with Brian D. Dushaw and Bruce M. Howe). Gyre-scale current measurements using reciprocal acoustic transmissions. In: Proceedings of the IEEE Fourth Working Conference on Current Measurement, April 3-5, 1990, Colony South Hotel, Clinton, Maryland, edited by Gerald F. Appell and Thomas B. Curtin. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1990. pp.65-70

WU, GUOPING (with J. C. Herguera and Wolfgang H. Berger). Differential dissolution: modification of late Pleistocene oxygen isotope records in the western equatorial Pacific. Paleoceanography, v.5, no.4, 1990. pp.581-594

WULLIMANN, MARIO F. (with R. Glenn Northcutt). Visual and electrosensory circuits of the diencephalon in mormyrids: an evolutionary perspective. Journal of Comparative Neurology, v.297, 1990. pp.537-552

YAMAGUCHI, TOSHIYUKI (with William A. Newman). A new and primitive barnacle (Cirripedia: Balanomorpha). from the North Fiji Basin abyssal hydrothermal field, and its evolutionary implications. Pacific Science, v.44, no.2, pp.135-155

YAMAZAKI, HIDEKATSU (with L. R. Haury and E. C. Itsweire). Effect of turbulent shear flow on zooplankton distribution. Deep-Sea Research, v.37, no.3, 1990. pp.447-461

YAYANOS, A. A. (with Douglas Bartlett, miriam Wright, and Michael Silverman). Isolation of a gene regulated by hydrostatic pressure in a deep-sea bacterium. Nature, v.342, no.6249, 1989. pp.572-574

ZAWADZKI, IRENEUSZ (with Yoshifumi Kimura and H. Aref). Vortex motion, sound radiation, and complex time singularities. Physics of Fluids A, v.2, no.2, 1990. pp.214-219

ZHURAVLEV, VLADMIR (with Holly K. Given, Nikolai Tarasov, Frank Vernon, Jon Berger, and Igor L. Nersesov). High-frequency seismic observations in eastern Kazakhstan, USSR, with emphasis on chemical explosion experiments. Journal of Geophysical Research, v.95, no.B1, 1990. pp.295-307

ZUMBERGE, MARK A. (with Robert L. Parker). An analysis of geophysical experiments to test Newton's law of gravity. Nature, v.342, no.6245, 1989. pp.29-32

ZUMBERGE, MARK A. (with Glenn S. Sasagawa, J. Mark Stevenson, Ted Lautzenhiser, Jim Wirtz, and Mark E. Ander). The 1987 southeastern Alaska gravity calibration range: absolute and relative gravity measurements. Journal of Geophysical Research, v.94, no.B6, 1989. pp.7661-7666

ZUMBERGE, MARK A. (with Mark E. Ander, Ted Lautzenhiser, Robert L. Parker, Carlos L.V. Aiken, Michael R. Gorman, Michael Martin Nieto, A. Paul R. Cooper, John F. Ferguson, Elizabeth Fisher, James Greer, Phil T. C. Hammer, B. Lyle Hansen, George A. McMechan, Glenn S. Sasagawa, Cyndi Sidles, J. Mark Stevenson, and Jim Wirtz). The Greenland gravitational constant experiment. Journal of Geophysical Research, v.95, no.B10, 1990. pp.15,483-15,501.

ZUMBERGE, MARK A. (with John A. Hilderbrand, J. Mark Stevenson, Philip T. C. Hammer, Robert L. Parker, Christopher G. Fox, and Philip J. Meis). A seafloor And sea surface gravity survey of axial volcano. Journal of Geophysical Research, v.95, no.B8, 1990. pp.12,751-12,763

ZURN, W. (with L. Knopoff, P. A. Rydelek, and D. Agnew). Observations of loas tides at the South Pole. Physics of the Earth and Planetary Interiors, v.54, 1989. pp.33-37

AAGAARD, K. (with E. Fahrbach, J. Meincke, and James H. Swift). Saline outflow from the Arctic Ocean: its contribution to the deep waters of the Greenland, Norwegian, and Iceland seas. Journal of Geophysical Research, v.96, no.C11, 1991. pp.20,433-20,441

AGNEW, D. (with William L. Ellsworth). Earthquake prediction and long-term hazard assessment. In: Reviews of Geophysics, Supplement to Volume 29, 1991. U.S. National Report to International Union of Geodesy and Geophysics 1987-1990, Part 2, edited by M. A. Shea. Washington, D.C., American Geophysical Union, 1991. pp.877-889

ASTER, RICHARD C. (with P. M. Shearer). High-frequency borehole seismograms recorded in the San Jacinto Fault zone, Southern California. Part 1. Polarizations. Bulletin of the Seismological Society of America, v.81, no.4, 1991. pp.1057-1080

ASTER, RICHARD C. (with P. M. Shearer). High-frequency borehole seismograms recorded in the San Jacinto Fault zone, Southern California. Part 2. Attenuation and site effects. Bulletin of the Seismological Society of America, v.81, no.4, 1991. pp.1081-1100

ASTER, RICHARD C. (with P. M. Shearer and Jon Berger). Reply. Journal of Geophysical Research, v.96, no.B4, 1991. pp.6415-6419

BADEN-DANGON, ANTOINE (with C. E. Dorman, Mark A. Merrifield, and Clinton D. Winant). The lower atmosphere over the Gulf of California. Journal of Geophysical Research, v.96, no.C9, 1991. pp.16,877-16,896

BANE, JOHN M. (with Clinton D. Winant and James E. Overland). Planning for coastal air-sea interaction studies in CoPO. Bulletin of the American Meteorological Society, v.71, no.4, 1990. pp.514-519

BARNETT, TIM P. The interaction of multiple time scales in the tropical climate system. Journal of Climate, v.4, no.3, 1991. pp.269-285

BARNETT, TIM P. (with M. Latif, E. Kirk, and E. Roeckner). On ENSO physics. Journal of Climate, v.4, 1991. pp.487-515

BARTLETT, DOUGLAS Pressure sensing in deep-sea bacteria. Research Microbiology, v.142, 1991. pp.923-925

BAUMHEFNER, D. (with M. Blackmon, E. Kalnay, K. Mo, F. Molteni, John Owen Roads, P. Sardeshmukh, and S. Tracton). Summary of a workshop on numerical long-range prediction of 10-90-day time-mean flows. Bulletin of the American Meteorological Society, v.72, no.11, 1991. pp.1745-1752

BEMIS, WILLIAM E. (with R. Glenn Northcutt). Innervation of the basicranial muscle of Latimeria chalumnae. Environmental Biology of Fishes, v.32, 1991. pp.147-158

BERGER, WOLFGANG H. (with G. Wefer). Export production: seasonality and intermittency, and paleoceanographic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, v.89, 1990. pp.245-254

BERGER, WOLFGANG H. Foundations of planktology. (Book Review). Science, v.248, 1990. pp.902-904

BERGER, WOLFGANG H. On the extinction of the mammoth: science and myth. In: Controversies in Modern Geology: Evolution of Geological Theories in Sedimentology, Earth History and Tectonics, edited by D. W. Mšller, J. A. McKenzie, and H. Weissert. New York, Academic Press, 1991. pp.115-132

BERGER, WOLFGANG H. (with Loren W. Kroenke and L. A. Mayer, and Shipboard Scientific party). Ontong Java Plateau, leg 130: synopsis of major drilling results. In: Proceedings of the Ocean Drilling Program, v.130, Initial Reports, Ontong Java Plateau, edited by Loren W. Kroenke, Wolfgang H. Berger, and T. R. Janecek, et al. College Station, Tex., Ocean Drilling Program, Texas A & M University, 1991. pp.497-537

BERGER, WOLFGANG H. The Younger Dryas cold spell-a quest for causes. Palaeogeography, Palaeoclimatology, Palaeoecology, v.89, 1990. pp.219-237

BLECKMANN, H. (with Bernd U. Budelmann and Theodore Holmes Bullock). Peripheral and central nervous responses evoked by small water movements in a cephalopod. Journal of Comparative Physiology A, v.168, 1991. pp.247-257

BOBZIN, STEVEN C. (with D. John Faulkner). Aromatic alkaloids from the marine sponge Chelonaplysilla sp. Journal of Organic Chemistry, v.56, 1991. pp.4403-4407

BOBZIN, STEVEN C. (with D. John Faulkner). Diterpenes from the Pohnpeian marine sponge Chelonaplysilla sp. Journal of Natural Products, v.54, no.1, 1991. pp.225-232

BOOKBINDER, LOUIS H. (Gary W. Moy and Victor D. Vacquier). In vitro phosphorylation of sea urchin sperm adenylate cyclase by cyclic adenosine monophosphate-dependent protein kinase. Molecular Reproduction and Development, v.28, 1991. pp.150-157

BRAY, N. A. (with J. M. Robles). Physical oceanography of the Gulf of California. In: The Gulf and Peninsular Province of the Californias. AAPG Memoir 47, edited by J. Paul Dauphin and Bernd R. T. Simoneit. Tulsa, Oklahoma, American Association of Petroleum Geologists, 1991. pp.511-553

BREON, FRANCOIS-MARIE (with Robert Frouin and Catherine Gautier). Downwelling longwave irradiance at the ocean surface: an assessment of in situ measurements and parameterizations. Journal of Applied Meteorology, v.30, no.1, 1991. pp.17-31

BRINK, K. H. (with R. C. Beardsley, Pearn P. Niiler, Mark R. Abbott, A. Huyer, S. Ramp, T. Stanton, and D. Stuart). Statistical properties of near-surface flow in the California Coastal Transition Zone. Journal of Geophysical Research, v.96, no.C8, 1991. pp.14,693-14,706

BRINTON, EDWARD (with Annie W. Townsend). Development rates and habitat shifts in the Antarctic neritic euphausiid Euphausia crystallorophias, 1986-87. Deep-Sea Research, v.38, no.8/9, 1991. pp.1195-1211

BRINTON, EDWARD Distribution and population structures of immature and adult Euphausia superba in the western Bransfield Strait region during the 1986-87 summer. Deep-Sea Research, v.38, no.8/9, 1991. pp.1169-1193

BUCKINGHAM, MICHAEL J. On acoustic transmission in ocean-surface waveguides. Philosophical Transactions of the Royal Society of London, Series A, v.335, 1991. pp.513-555

BUKRY, DAVID Coccolith correlation of California Cenozoic geologic formations. In: United States Department of the Interior, Geological Survey, Open-File Report 91-574. Menlo Park, CA., U.S. Geological Survey, 1991. pp.1-30

BUKRY, DAVID Oligocene and Quaternary silicoflagellates from the Kerguelen Plateau. In: Proceedings of the Ocean Drilling Program, Scientific Results, v.119, edited by J. Barron, B. Larsen, et al. College Station, TX., Ocean Drilling Program, Texas A & M University, 1991. pp.933-934

BUKRY, DAVID Paleoecological transect of western Pacific Ocean Late Pliocene coccolith flora: Part 1.-Tropical Ontong-Java Plateau at ODP 806B. In: United States Department of the Interior, U.S. Geological Survey, Open-File Report 91- 552. Menlo Park, CA., U.S. Geological Survey, 1991. pp.1-35

BUKRY, DAVID Transoceanic correlation of middle Eocene coccolith subzone CP14A at Batiquitos Lagoon, San Diego County. In: Eocene Geologic History, San Diego Region, October 21-24, 1991. Pacific Section, Society of Economic Paleonotologists and Mineralogists, v.68, edited by Patrick L. Abbott and Jeffrey A. May. Los Angeles, CA., Pacific Section of the Society of Economic Paleontologists and Mineralogists, 1991. pp.189-193

BULLOCK, THEODORE HOLMES (with Michael H. Hofmann, John G. New, and Frederick K. Nahm). Dynamic properties of visual evoked potentials in the tectum of cartilaginous and bony fishes, with neuroethological implications. Journal of Experimental Zoology Supplement, v.5, 1991. pp.142-155

BULLOCK, THEODORE HOLMES (with Bernd U. Budelmann). Sensory evoked potentials in unanesthetized unrestrained cuttlefish: a new preparation for brain physiology in cephalopods. Journal of Comparative Physiology A, v.168, 1991. pp.141-150

BUTLER, ANN B. (with Mario F. Wullimann and R. Glenn Northcutt). Comparative cytoarchitectonic analysis of some visual pretectal nuclei in teleosts. Brain, Behavior and Evolution, v.38, 1991. pp.92-114

CARMACK, EDDY C. (with Ray F. Weiss). Convection in Lake Baikal: an example of thermobaric instability. In: Deep Convection and Deep Water Formation in the Oceans, Proceedings of the International

Monterey Colloquium on Deep Convection and Deep Water Formation in the Oceans. Elsevier Oceanography Series, no. 57, edited by P. C. Chu and J. C. Gascard. New York, Elsevier, 1991. pp.215-228

CARMACK, EDDY C. (with James H. Swift). Some aspects of the large-scale physical oceanography of the Arctic Ocean influencing biological distributions. In: Polar Marine Diatoms, edited by Linda K. Medlin and Julian Priddle. Cambridge, U.K., British Antarctic Survey, Natural Environment Research Council, 1990. pp.35-46

CARNEVALE, G. F. (with J. C. McWilliams, Y. Pomeau, J. B. Weiss, and W. R. Young). Evolution of vortex statistics in two-dimensional turbulence. Physical Review Letters, v.66, no.21, 1991. pp.2735-2737

CARNEVALE, G. F. (with P. Cavazza, P. Orlandi, and Roberto Purini). An explanation for anomalous vortex merger in rotating-tank experiments. Physics of Fluids A, v.3, no.5, 1991. pp.1411-1415

CASTELLINI, M. A. (with Gerald L. Kooyman). Length, girth and mass relationships in Weddell seals (Leptonychotes weddellii). Marine Mammal Science, v.6, no.1, 1990. pp.75-77

CHAVE, ALAN D. (with Douglas S. Luther and Jean H. Filloux). Variability of the wind stress curl over the North Pacific: implications for the oceanic response. Journal of Geophysical Research, v.96, no.C10, 1991. pp.18,361-18,379

CHEN, YINGYI (with Shyh-Chin Chen and John Owen Roads). Linear predictions and diagnosis of time-averages in a two-level model. Tellus, v.43A, 1991. pp.81-96

CHENG, LANNA The endemic sea-skater Halobates alluaudi Bergroth, 1893 (Hemiptera: Gerridae) in the Seychelles. Raffles Bulletin of Zoology, v.39, no.1, 1991. pp.161-168

CHERESKIN, T. K. (with Dean Roemmich). A comparison of measured and wind-derived Ekman transport at 11 N in the Atlantic Ocean. Journal of Physical Oceanography, v.21, no.6, 1991. pp.869-878

CHERTOCK, BETH (with Robert Frouin and Richard C. J. Somerville). Global monitoring of net solar irradiance at the ocean surface: climatological variability and the 1982-1983 El Nino. Journal of Climate, v.4, no.6, 1991. pp.639-650

CHI, ELLEN (with Doug Bartlett). Pressure regulation of ompH transcription in the deep sea bacterium SS9. In: Abstracts of the 91st. General Meeting of the American Society for Microbiology, Dallas, Texas, 5-9 May 1991, I-50. Washington, D.C., American Society for Microbiology, 1991. p.198

CLEMENT, BRADFORD M. (with Catherine G. Constable). Polarity transitions, excursions and paleosecular variation of the earth's magnetic field. In: Reviews of Geophysics, Supplement to Volume 29, 1991. U.S. National Report to International Union of Geodesy and Geophysics 1987-1990, Part 1. Washington, D.C., American Geophysical Union, 1991. pp.433-442

CONOVER, R. J. (with Mark E. Huntley). Copepods in ice-covered seas-distribution, adaptations to seasonally limited food, metabolism, growth patterns and life cycle strategies in polar seas. Journal of Marine Systems, v.2, 1991. pp.1-41

CONSTABLE, CATHERINE G. (with Robert L. Parker). Deconvolution of long-core palaeomagnetic measurements pspline therapy for the linear problem. Geophysical Journal International, v.104, 1991. pp.453-468

CRAWFORD, WAYNE C. (with Spahr Webb and John A. Hildebrand). Seafloor compliance observed by long-period pressure and displacement measurements. Journal of Geophysical Research, v.96, no.B10, 1991. pp.16,151-16,160

CURRAY, JOSEPH R. (with Tissa Munasinghe). Origin of the Rajamahal Traps and the 85 E Ridge: preliminsty reconstructions of the trace of the Crozet hotspot. Geology, v.19, 1991. pp.1237-1240.

CURRAY, JOSEPH R. Possible greenschist metamorphism at the base of a 22-km sedimentary section, Bay of Bengal. Geology, v.19, 1991. pp.1097-1100

DAVIES-COLEMAN, MICHAEL T. (with D. John Faulkner). New diterpenoic acid glycerides from the Antarctic nudibranch Austrodoris kerguelensis. Tetrahedron, v.47, no.47, 1991. pp.9743-9750

DAVIS, RUSS E. Lagrangian ocean studies. Annual Review of Fluid Mechanics, v.23, 1991. pp.43-64

DAVIS, RUSS E. Observing the general circulation with floats. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S531-S571

DAVIS, R. W. (with M. A. Castellini, T. M. Williams, and Gerald L. Kooyman). Fuel homeostasis in the harbor seal during submerged swimming. Journal of Comparative Physiology B, v.160, 1991. pp.627-635

DEGROOT-HEDLIN, C. (with Steven C. Constable). Occam's inversion to generate smooth, two-dimensional models from magnetotelluric data. Geophysics, v.55, no.12, 1990. pp.1613-1624

DE MOUSTIER, CHRISTIAN (with D. Alexandrou). Angular dependence of 12-kHz seafloor acoustic backscatter. Journal of the Acoustical Society of America, v.90, no.1, 1991. pp.522-531

DERISO, RICHARD B. (with Richard G. Punsly and William H. Bayliff). A Markov movement model of yellowfin tuna in the Eastern Pacific Ocean and some analyses for international management. Fisheries Research, v.11, 1991. pp.375-395

DICKSON, ANDREW G. A fragile power: scientists and the state.(Book Review). Oceanography, v.3, no.2, 1990. pp.62-63

DONE, T. J. (with Paul K. Dayton, A. E. Dayton, and R. Steger). Regional and local variability in recovery of shallow coral communities: Moorea, French Polynesia and central Great Barrier Reef. Coral Reefs, v.9, 1991. pp.183-192

DRUFFEL, E. R. M. (with P. M. Williams). Radiocarbon in seawater and organisms from the Pacific coast of Baja California. Radiocarbon, v.33, no.3, 1991. pp.291-296

D'SPAIN, GERALD L. (with W. S. Hodgkiss and G. L. Edmonds). Energetics of the deep ocean's infrasonic sound field. Journal of the Acoustical Society of America, v.89, no.3, 1991. pp.1134-1158

D'SPAIN, GERALD L. (with W. S. Hodgkiss and Gregory L. Edmonds). The simultaneous measurement of infrasonic acoustic particle velocity and acoustic pressure in the ocean by freely drifting Swallow floats. IEEE Journal of Oceanic Engineering, v.16, no.2, 1991. pp.195-207

ECKERT, SCOTT A. (with Karen L. Eckert, Paul J. Ponganis, and Gerald L. Kooyman). Diving and foraging behavior of leatherback sea turtles (Dermochelys coriacea). Canadian Journal of Zoology, v.67, 1989. pp.2834-2840

ECKSTEIN, B. A. (with James J. Simpson). Aerosol and Rayleigh radiance contributions to coastal zone color scanner images. International Journal of Remote Sensing, v.12, no.1, 1991. pp.135-168

ECKSTEIN, B. A. (with James J. Simpson). Cloud screening Coastal Zone Color Scanner images using channel 5. International Journal of Remote Sensing, v.12, no.11, 1991. pp.2359-2377

EDWARDS, DEEANNE B. (with Douglas C. Nelson). DNA-DNA solution hybridization studies of the bacterial symbionts of hydrothermal vent tube worms(Riftia pachyptila and Tevnia jerichonana). Applied and Environmental Microbiology, v.57, no.4, 1991. pp.1082-1088

ENRIGHT, JAMES T. Exploring the third dimension with eye movements: better than stereopsis. Vision Research, v.31, no.9, 1991. pp.1549-1562

FAHY, EOIN (with Barbara C. M. Potts, D. John Faulkner, and Keith Smith). 6- bromotryptamine derivatives from the Gulf of California tunicate Didemnum candidum. Journal of Natural Products, v.54, no.2, 1991. pp. 564-569

FALKNER, KELLY KENISON (with Chris I. Measures, Sarah E. Herbelin, John M. Edmond, and Ray F. Weiss). The major and minor element geochemistry of Lake Baikal. Limnology and Oceanography, v. 36, no.3, 1991. pp.413-423

FLICK, REINHARD E. Joint occurrence of high tide and storm surge in California. In: World Marina '91, Proceedings of the First International Conference, September 4-8, 1991. New York, American Society of Civil Engineers, 1991. pp.52-60

FLICK, REINHARD E. (with George Armstrong and Edwin H. Sterrett). Shoreline erosion assessment and atlas of the San Diego region. In: Coastal Zone '91, Proceedings of the Seventh Symposium on Coastal and Ocean Management, Long Beach, California, July 8-12, 1991, edited by Orville T. Magoon, Hugh Converse, Virginia Tipple, L. Thomas Tobin, and Delores Clark. New York, American Society of Civil Engineers, 1991. pp.160-171

FLOYD, P. A. (with P. R. Castillo and M. Pringle). Tholeitic and alkalic basalts of the oldest Pacific Ocean crust. Terra Nova, v.3, 1991. pp.257-264

FOMENKOVA, M. N. The chemistry of cometary dust. Invited Poster, Fall meeting. Eos, Transactions, American Geophysical Union, v.72, no.44, Supplement, P21A-7, 1991. p.284

GALLAGHER, EDITH L. (with Richard J. Seymour and David B. King, Jr.). Bedload transport measurement by imaging of tracers. In: Coastal Sediments '91, Proceedings of a Specialty Conference on Quantitative Approaches to Coastal Sediment Processes, Seattle, Washington, June 25-27, 1991, Volume 1, edited by Nicholas C. Kraus, Kathryn J. Gingerich, and David L. Kriebel. New York, American Society of Civil Engineers, 1991. pp.717-725

GAZTELU, JOSE M. (with Elio Garcia-Austt and Theodore Holmes Bullock). Electrocorticograms of hippocampal and dorsal cortex of two reptiles: comparison with possible mammalian homologs. Brain, Behavior and Evolution, v.37, 1991. pp.144-160

GIBBONS, CAROL A. (with R. E. Shadwick). Circulatory mechanics in the toad Bufo marinus. I. Structure and mechanical design of the aorta. Journal of Experimental Biology, v.158, 1991. pp.275-289

GIBBONS, CAROL A. (with R. E. Shadwick). Circulatory mechanics in the toad Bufo marinus. II. Haemodynamics of the arterial Windkessel. Journal of Experimental Biology, v.158, 1991. pp.291-306

GIBSON, CARL H. Kolmogorov similarity hypotheses for scalar fields: sampling intermittent turbulent mixing in the ocean and galaxy. Proceedings of the Royal Society of London A, v.434, 1991. pp.149-164

GOLDBERG, EDWARD D. Halogenated hydrocarbons: past, present and near-future problems. Science of the Total Environment, v.100, 1991. pp.17-28

GOLDBERG, EDWARD D. Ocean space: use and protection. In: Resources, Environment, and Population: Present Knowledge, Future Options. Population and Development Review, A Supplement to v.16, 1990, edited by Kingsley Davis and Mikhail S. Bernstam. New York, Population Council, Oxford University Press, 1991. pp.221-234

GRAHAM, JEFFREY B. Ecological, evolutionary, and physical factors influencing aquatic animal respiration. American Zoologist, v.30, 1990. pp.137-146

GRAHAM, JEFFREY B. Fish physiology: Recent advances.(Book Review). Experimental Biology, v.48, 1988. p.18

GRAHAM, JEFFREY B. History of the earth's atmosphere.(Book Review). Experimental Biology, v.48, 1989. p.284

GRAHAM, NICHOLAS E. (with Warren B. White). Comments on "On the role of off- equatorial oceanic Rossby waves during ENSO." Journal of Physical Oceanography, v.21, no.3, 1991. pp.453-460

GRAHAM, NICHOLAS E. (with Warren B. White). The role of the western boundary in the ENSO cycle: experiments with coupled models. Journal of Physical Oceanography, v.20, no.12, 1990. pp.1935-1948

GROTSCH, J. (with Guoping Wu and Wolfgang H. Berger). Carbonate cycles in the Pacific: reconstruction of saturation fluctuations. In: Cycles and Events in Stratigraphy, edited by Gerhard Einsele, Werner Ricken, and Adolf Seilacher. New York, Springer-Verlag, 1991. pp.110-125

GRUNDLINGH, M. L. (with John L. Largier). Physical oceanography of False Bay: a review. Transactions of the Royal Society of South Africa, v.47, Parts 4 & 5, 1991. pp.387-400

GRYGIER, MARK J. (with William A. Newman). A new genus and two new species of Microlepadidae (Cirripedia: Pedunculata). found on western Pacific diadematid echinoids. Galaxea, v.10, 1991. pp.1-22

GRYGIER, MARK J. Redescription, ontogeny, and demography of Parascothorax synagogoides (Crustacea: Ascothoracida), parasitic on Ophiophthalmus normani (Ophiuroidea) in the bathyal basins off southern California. Proceedings of the San Diego Society of Natural History, no.6, 1991. pp.1-20

HAMMEL, H. T. (with N. H. March and B. W. Watson). Can the aqueous solution inside a cell membrane characterize normal and cancerous forms? Physics and Chemistry of Liquids, v.23, 1991. pp.57-59

HAMMEL, H. T. Internal pressures, hard core and free space volumes and Boltzmann's rule. Physics and Chemistry of Liquids, v.23, 1991. pp.69-85

HAMMER, PHILIP T. C. (with John A. Hildebrand and Robert L. Parker). Gravity inversion using seminorm minimization: density modeling of Jasper Seamount. Geophysics, v.56, no.1, 1991. pp.68-79

HARDY, KEVIN Lessons and wisdom from the human powered submarine races. In: MTS '91, An Ocean Cooperative: Industry, Government and Academia, Proceedings, New Orleans Convention Center, November 10-14, 1991. Washington, D.C., Marine Technology Society, 1991. pp.865-868

HARDY, KEVIN Return to the Titanic: the third manned mission. Sea Technology, v.32, no.12, 1991. pp.10-11, 15, 17-19

HARKER, ALLEN H. (with Reinhard E. Flick). Beach and cliff erosion processes at Solana Beach, California, 1984-1990. In: Coastal Zone '91, Proceedings of the Seventh Symposium on Coastal and Ocean Management, Long Beach, California, July 8-12, 1991, edited by Orville T. Magoon, Hugh Converse, Virginia Tipple, L. Thomas Tobin, and Delores Clark. New York, American Society of Civil Engineers, 1991. pp.2122-2135

HAYWARD, THOMAS L. Primary production in the North Pacific central gyre: a controversy with important implications. Trends in Ecology and Evolution, v.6, no.9, 1991. pp.281-284

HE, HAI-YIN (with D. John Faulkner). Eudistones A and B: two novel octacyclic alkaloids from a Seychelles tunicate, Eudistoma sp. Journal of Organic Chemistry, v.56, 1991. pp.5369-5371

HE, HAI-YIN (with D. John Faulkner). New chlorinated diterpenes from the gorgonian Junceella gemmacea. Tetrahedron, v.47, no.20/21, 1991. pp.3271-3280

HE, HAI-YIN (with D. John Faulkner, Helen S. M. Lu, and Jon Clardy). Norsesterterpene peroxides from the sponge Latrunculia sp. Journal of Organic Chemistry, v.56, 1991. pp.2112-2115

HEDLIN, MICHAEL A. H. (with J. Bernard Minster and John A. Orcutt). Beam-stack imaging using a small aperture array. Geophysical Research Letters, v.18, no.9, 1991. pp.1771-1774

HEMMINGSEN, EDVARD A. Respiratory and cardiovascular adaptations in hemoglobin- free fish: resolved and unresolved problems. In: Biology of Antarctic Fish, edited by Guido di Prisco, Bruno Maresca, and Bruno Tota. New York, Springer- Verlag, 1991. pp.191-203

HENDERSON, DIANE M. (with John W. Miles). Faraday waves in 2:1 internal resonance. Journal of Fluid Mechanics, v.222, 1991. pp.449-470

HERBERS, T. H. C. (with R. L. Lowe and Robert T. Guza). Field verification of acoustic Doppler surface gravity wave measurements. Journal of Geophysical Research, v.96, no.C9, 1991. pp.17,023-17,035

HERBERS, T. H. C. (with Robert T. Guza). Observations of wind wave nonlinearity. In: Twenty-second Coastal Engineering Conference, Proceedings of the International Conference, Volume 1, July 2-6, 1990, Delft, The Netherlands, edited by Billy L. Edge. New York, American Society of Civil Engineers, 1990. pp.611-622

HERBERS, T. H. C. (with Robert T. Guza). Wind-wave nonlinearity observed at the sea floor. Part I: forced-wave energy. Journal of Physical Oceanography, v.21, no.12, 1991. pp.1740-1761

HERBERT, TIMOTHY D. (with Jorge L. Sarmiento). Ocean nutrient distribution and oxygenation: limits on the formation of warm saline bottom water over the past 91 m.y. Geology, v.19, 1991. pp.702-705

HERGUERA, J. C. (with L. D. Stott and Wolfgang H. Berger). Glacial deep-water properties in the west-equatorial Pacific: bathyal thermocline near a depth of 2000 m. Marine Geology, v.100, 1991. pp.201-206

HERGUERA, J. C. (with Wolfgang H. Berger). Paleoproductivity from benthic foraminifera abundance: glacial to postglacial change in the west-equatorial Pacific. Geology, v.19, 1991. pp.1173-1176

HERZFELD, UTE CHRISTINA Cova functions for unevenly and noncorrespondingly spaced processes. Computers and Geosciences, v.16, no.5, 1990. pp.733-749

HERZFELD, UTE CHRISTINA Geostatistical software for evaluation of line survey data applied to radioecho soundings in glaciology. In: Microcomputer Applications in Geology, II. Computers and Geology, v.6, edited by J. Thomas Hanley and Daniel F. Merriam. New York, Pergamon Press, 1990. pp.119-136

HERZFELD, UTE CHRISTINA (with P. Holmlund). Geostatistics in glaciology: implications of a study of Scharffenbergbotnen, Dronning Maud Land, East Antarctica. Annals of Glaciology, v.14, 1990. pp.107-110

HERZFELD, UTE CHRISTINA Numerical Geology.(Book Review). Computers and Geosciences, v.16, no.8, 1990. pp.1242-1243

HOLLAND, HEINRICH D. (with George I. Smith, Holger W. Jannasch, Andrew G. Dickson, Zheng Mianping, and Ding Tiping). Lake Zabuye and the climatic history of the Tibetan Plateau. Die Geowissenschaften, v.9, no.2, 1991. pp.37-44

HUNTLEY, MARK E. (with Florence Escritor). Dynamics of Calanoides acutus (Copepoda: Calanoida) in Antarctic coastal waters. Deep-Sea Research, v.38, no.8/9, 1991. pp.1145-1167

HUNTLEY, MARK E. (with Edward Brinton). Mesoscale variation in growth and early development of Euphausia superba Dana in the western Bransfield Strait region. Deep-Sea Research, v.38, no.8/9, 1991. pp.1213-1240

HUNTLEY, MARK E. (with M. D. G. Lopez and D. M. Karl). Top predators in the Southern Ocean: a major leak in the biological carbon pump. Science, v.253, 1991. pp.64-66

IACOBELLIS, SAM (with Richard C. J. Somerville). Diagnostic modeling of the Indian Monsoon onset. Part I: model description and validation. Journal of the Atmospheric Sciences, v.48, no.17, 1991. pp.1948-1959

IACOBELLIS, SAM (with Richard C. J. Somerville). Diagnostic modeling of the Indian Monsoon onset. Part II: budget and sensitivity studies. Journal of the Atmospheric Sciences, v.48, no.17, 1991. pp.1960-1971

JAFFE, JULES S. Sensors for underwater robotic vision: status and prospects. In: Proceedings of the 1991 IEEE International Conference on Robotics and Automation, Sacramento, California, April 9-11, 1991. Los Alamitos, Calif., IEEE Computer Society Press, 1991. pp.2759-2766

JAMES, D. MARTIN (with Holly B. Kunze and D. John Faulkner). Two new brominated tyrosine derivatives from the sponge Druinella (=Psammaplysilla). purpurea. Journal of Natural Products, v.54, no.4, 1991. pp.1137-1140

KAPPUS, M. (with Frank Vernon). Acoustic signature of thunder from seismic records. Journal of Geophysical Research, v.96, no.D6, 1991. pp.10,989-11,006

KASSUHLKE, KATHARINA E. (with Barbara C. M. Potts and D. John Faulkner). New nitrogenous sesquiterpenes from two Philippine nudibranchs, Phyllidia pustulosa and P. varicosa, and from a Palauan sponge, Halichondria cf. lendenfeldi. Journal of Organic Chemistry, v.56, 1991. pp.3747-3750

KASSUHLKE, KATHARINA E. (with D. John Faulkner). Two new dibromotyrosine derivatives from the Caribbean sponge Pseudoceratina crassa. Tetrahedron, v.47, no.10/11, 1991. pp.1809-1814

KOIDE, MINORU (with Edward D. Goldberg, Sidney Niemeyer, David Gerlach, V. F. Hodge, Kathe K. Bertine, and Alfreda Padova). Osmium in marine sediments. Geochimica et Cosmochimica Acta, v.55, 1991. pp.1641-1648

KONG, FANHUA (with D. John Faulkner). Pictamine, a quinolizidine alkaloid from the tunicate Clavelina picta. Tetrahedron Letters, v.32, no.30, 1991. pp.3667-3668

KOOYMAN, GERALD L. (with Paul J. Ponganis). Behavior and physiology of diving in emperor and king penguins. In: Penguin Biology, edited by Lloyd S. Davis and John T. Darby. San Diego, CA., Academic Press, 1990. pp.229-242

KOOYMAN, GERALD L. (with Donald Croll, Sheridan Stone, and Steven Smith). Emperor penguin colony at Cape Washington, Antarctica. Polar Record, v.26, no.157, 1990. pp.103-108

KUSHLAN, DIANA M. (with D. John Faulkner). A novel perlactone from the Caribbean sponge Plakortis angulospiculatus. Journal of Natural Products, v.54, no.5, 1991. pp.1451-1454

LAL, D. Cosmic ray labeling of erosion surfaces: in situ nuclide production rates and erosion models. Earth and Planetary Science Letters, v.104, 1991. pp.424-439

LAMING, PETER R. (with Theodore Holmes Bullock). Changes in early acoustic-evoked potentials by mildly arousing priming stimuli in carp (Cyprinus carpio). Comparative Biochemistry and Physiology, v.99A, no.4, 1991. pp.567-575

LAMING, PETER R. (with Theodore Holmes Bullock and Michael C. McClune). Changes in EEG power, acoustic evoked potentials and heart rate after mildly arousing non-acoustic priming stimuli in carp(Cyprinus carpio). Comparative Biochemistry and Physiology, v.100A, no.1, 1991. pp.81-93

LAMING, PETER R. (with Theodore Holmes Bullock and Michael C. McClune). Sustained potential shifts and changes in acoustic evoked potentials after presentation of a non-acoustic priming stimulus to carp (Cyprinus carpio). Comparative Biochemistry and Physiology, v.100A, no.1, 1991. pp.95-104

LANGE, CARINA (with Susan K. Burke and Wolfgang H. Berger). Biological production off Southern California is linked to climatic change. Climatic Change, v.16, 1990. pp.319-329

LARGIER, JOHN L. (with S. Taljaard). The dynamics of tidal intrusion, retention, and removal of seawater in a bar-built estuary. Estuarine, Coastal and Shelf Science, v.33, 1991. pp.325-338

LEE, T. (with E. Barg and D. Lal). Studies of vertical mixing in the Southern California Bight with cosmogenic radionuclides 32P and 7Be. Limnology and Oceanography, v.36, no.5, 1991. pp.1044-1053

LEWIN, RALPH A. Coming to terms with animals.(Book Review). Nature, v.354, 1991. p.325

LEWIN, RALPH A. History and biology of Dunaliella, and its prospects for biotechnology. In: Proceedings of the International Symposium on Biotechnology of Salt Ponds, September 18-21, 1990, Tanggu, Tianjin, P.R. China. Tianjin, P.R. China, Salt Research Institute Ministry of Light Industry, 1991. pp.1-5

LIANG, GUOXIONG (with Richard J. Seymour). Complex principal component analysis of wave-like sand motions. In: Coastal Sediments '91, Proceedings of a Specialty Conference on Quantitative Approaches to Coastal Sediment Processes, Seattle, Washington, June 25-27, 1991, Volume 2, edited by Nicholas C. Kraus, Kathryn J. Gingerich, and David L. Kriebel. New York, American Society of Civil Engineers, 1991. pp.2175-2186

LIST, E. JOHN (with Gregory Gartrell and Clinton D. Winant). Diffusion and dispersion in coastal waters. Journal of Hydraulic Engineering, v.116, no.10, 1990. pp.1158-1179

LOJOU, JEAN-YVES (with Robert Frouin and Rene Bernard). Comparison of Nimbus-7 SMMR and GOES-1 VISSR atmospheric liquid water content. Journal of Applied Meteorology, v.30, no.2, 1991. pp.187-198

LUTHER, DOUGLAS S. (with Jean H. Filloux and Alan D. Chave). Low-frequency, motionally induced electromagnetic fields in the ocean. 2. Electric field and Eulerian current comparison. Journal of Geophysical Research, v.96, no.C7, 1991. pp.12,797-12,814

MARIN, VICTOR (with Edward Brinton and Mark E. Huntley). Depth relationships of Euphausia superba eggs, larvae and adults near the Antarctic Peninsula, 1986-87. Deep-Sea Research, v.38, no.8/9, 1991. pp.1241-1249

MASTERS, T. G. Structure of the earth: mantle and core. In: Reviews of Geophysics, Supplement to Volume 29, 1991. U.S. National Report to International Union of Geodesy and Geophysics 1987-1990, Part 2. Washington, D.C., American Geophysical Union, 1991. pp.671-679

MATSUI, TETSUO (with Susumu Kato and Susan E. Smith). Biology and potential use of Pacific grenadier, Coryphaenoides acrolepis, off California. Marine Fisheries Review, v.52, no.3, 1990. pp.1-17

MATSUI, TETSUO Description of young of the mesopelagic platytroctids Holtbyrnia latifrons and Sagamichthys abei(Pisces, Alepocephaloidea). from the Northeastern Pacific Ocean. Fishery Bulletin, v.89, no.2, 1991. pp.209-219

MCGEHEE, DUNCAN (with Jules S. Jaffe). A design approach for optimizing segmented transducers. In: Oceans '91, October 1-3, 1991, Honolulu, Hawaii, Proceedings, Volume 3, Ocean Technologies and Opportunities in the Pacific for the 90's. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1991. pp.1550-1555

MELO, ELOI (with Robert T. Guza). Wave propagation in jettied entrance channels. I: models. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.117, no.5, 1991. pp.471-492

MELO, ELOI (with Robert T. Guza). Wave propagation in jettied entrance channels. II: observations. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.117, no.5, 1991. pp.493-510

MILES, JOHN W. The capillary boundary layer for standing waves. Journal of Fluid Mechanics, v.222, 1991. pp.197-205

MILES, JOHN W. Nonlinear asymmetric excitation of edge waves. IMA Journal of Applied Mathematics, v.46, 1991. pp.101-108

MILES, JOHN W. A note on surface films and surface waves. Wave Motion, v.13, 1991. pp.303-306

MILES, JOHN W. On the initial-value problem for a wavemaker. Journal of Fluid Mechanics, v.229, 1991. pp.589-601

MILES, JOHN W. Wave motion in a viscous fluid of variable depth. Part 2. Moving contact line. Journal of Fluid Mechanics, v.223, 1991. pp.47-55

MULLIN, MICHAEL M. Production of eggs by the copepod Calanus pacificus in the southern California sector of the California Current system. California Cooperative Oceanic Fisheries Investigations Reports, v.32, 1991. pp.65-90

MULLIN, MICHAEL M. Relative variability of reproduction and mortality in two pelagic copepod populations. Journal of Plankton Research, v.13, no.6, 1991. pp.1381-1387

NEWMAN, WILLIAM A. Origins of Southern Hemisphere endemism, especially among marine Crustacea. Memoirs of the Queensland Museum, v.31, 1991. pp.51-76

NIILER, PEARN P. (with Dong-Kyu Lee, William Young, and Jian-Hwa Hu). Expendable current profiler (XCP). section across the North Pacific at 25 N. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S45-S61

NIILER, PEARN P. (with Anthony Amos and Jian-Hwa Hu). Water masses and 200 m relative geostrophic circulation in the western Bransfield Strait region. Deep- Sea Research, v.38, no.8/9, 1991. pp.943-959

NORTHCUTT, GLENN R. (with Ann B. Butler). Retinofugal and retinopetal projections in the green sunfish, Lepomis cyanellus. Brain, Behavior and Evolution, v.37, 1991. pp.333-354

NORTHCUTT, GLENN R. Visual pathways in elasmobranchs: organization and phylogenetic implications. Journal of Experimental Zoology Supplement, v.5, 1991. pp.97-107

OCHOA, J. (with N. A. Bray). Water mass exchange in the Gulf of Cadiz. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S465-S503

OHMAN, MARK D. (with Richard A. Snyder). Growth kinetics of the omnivorous oligotrich ciliate Strombidium sp. Limnology and Oceanography, v.36, no.5, 1991. pp.922-935

OHMAN, MARK D. (with G. H. Theilacker and Sandor E. Kaupp). Immunochemical detection of predation on ciliate protists by larvae of the northern anchovy(Engraulis mordax). Biological Bulletin, v.181, 1991. pp.500-504

OKADA, HAKUYU (with John A. Tarduno, Kojiro Nakaseko, Akiko Nishimura, and William V. Sliter). Reexamination of the age of the uppermost sequence of the Sorachi Group in its type area, Hokkaido, Japan. Memoirs of the Faculty of Science, Kyushu University, Series D, Earth and Planetary Sciences, v.27, no.1, 1991. pp.1-13

O'REILLY, W. C. (with Robert T. Guza). Comparison of spectral refraction and refraction-diffraction wave models. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.117, no.3, 1991. pp.199-215

PADEN, CYNTHIA A. (with Mark R. Abbott and Clinton D. Winant). Tidal and atmospheric forcing of the upper ocean in the Gulf of California. 1. Sea surface temperature variability. Journal of Geophysical Research, v.96, No.C10, 1991. pp.18,337-18,359

PAULL, C. K. (with David C. Twichell, Fred N. Spiess, and Joseph R. Curray). Morphological development of the Florida Escarpment: observations on the generation of time transgressive unconformities in carbonate terrains. Marine Geology, v.101, 1991. pp.181-201

PAULL, C. K. (with Robert F. Commeau, Joseph R. Curray, and A. Conrad Neumann). Seabed measurements of modern corrosion rates on the Florida Escarpment. Geo- Marine Letters, v.11, 1991. pp.16-22

PETERSON, RAY G. (with Lothar Stramma). Upper-level circulation in the South Alantic ocean. Progress in Oceanography, v.26, 1991. pp.1-73

PICK, THOMAS (with Lisa Tauxe). Chemical remanent magnetization in synthetic magnetite. Journal of Geophysical Research, v.96, no.B6, 1991. pp.9925-9936

PINKEL, ROBERT (with Jeffrey T. Sherman). Internal wave induced fluctuations in the oceanic density and sound speed fields. In: Ocean Variability and Acoustic Propagation, edited by John Potter and Alex Warn-Varnas. Boston, Kluwer Academic Publishers, 1991. pp.103-118

PINKEL, ROBERT (Jeffrey T. Sherman, Jerome Smith, and Steven Anderson). Strain: observations of the vertical gradient of isopycnal vertical displacement. Journal of Physical Oceanography, v.21, no.4, 1991. pp.527-540

PONGANIS, PAUL J. (with Gerald L. Kooyman, Mark H. Zornow, M. A. Castellini, and Donald Croll). Cardiac output and stroke volume in swimming harbor seals. Journal of Comparative Physiology B, v.160, 1990. pp.473-482

PONGANIS, PAUL J. (with Gerald L. Kooyman and Mark H. Zornow). Cardiac output in swimming California sea lions, Zalophus californianus. Physiological Zoology, v.64, no.5, 1991. pp.1296-1306

POTTS, BARBARA C. M. (with D. John Faulkner, James A. Chan, Gerald C. Simolike, Priscilla Offen, Mark E. Hemling, and Terry A. Francis). Didemnaketals A and B, HIV-1 protease inhibitors from the ascidian Didemnum sp. Journal of the American Chemical Society, v.113, 1991. pp.6321-6322

RAMANATHAN, V. (with William Collins). Thermodynamic regulation of ocean warming by cirrus clouds deduced from observations of the 1987 El Nino. Nature, v.351, 1991. pp.27-32

RAO, C. BHEEMASANKARA (with G. Trimurtulu, D. Venkata Rao, Steven C. Bobzin, Diana M. Kushlan, and D. John Faulkner). Diterpenes from the brown alga Dictyota divaricata of the Indian Ocean. Phytochemistry, v.30, no.6, 1991. pp.1971-1976

ROADS, JOHN OWEN (with T. Norman Maisel). Evaluation of the National Meteorological Center's medium range forecast model precipitation forecasts. Weather and Forecasting, v.6, no.1, 1991. pp.123-132

ROADS, JOHN OWEN Linear model predictions of time averages. Journal of Climate, v.3, no.3, 1990. pp.317-336

ROSENBLATT, RICHARD H. (with G. David Johnson). Parmops coruscans, a new genus and species of flashlight fish(Beryciformes: Anomalopidae). from the South Pacific. Proceedings of the Biological Society of Washington, v.104, no.2, 1991. pp.328-334

SALMON, RICK (with Rainer Hollerbach). Similarity solutions of the thermocline equations. Journal of Marine Research, v.49, 1991. pp.249-280

SASAGAWA, GLENN S. (with Mark A. Zumberge). Absolute gravity measurements in California, 1984-1989. Journal of Geophysical Research, v.96, no.B2, 1991. pp.2501-2513

SCHIMMELMANN, A. (with Carina Lange, Joel Michaelsen, and Wolfgang H. Berger). Climatic changes reflected in laminated Santa Barbara Basin sediments. In: Proceedings of the Sixth Annual Pacific Climate(PACLIM). Workshop, Asilomar, California, March 5-8, 1989. Technical report 23 of the Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary, edited by Julio L. Betancourt and Ana M. MacKay. Sacramento, CA., California Department of Water Resources, Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary, Tucson, Ariz., U.S. Geological Survey Research Project Office, 1990. pp.97-99

SCHIMMELMANN, A. (with Carina Lange and Wolfgang H. Berger). Climatically controlled marker layers in Santa Barbara Basin sediments and fine-scale core- to-core correlation. Limnology and Oceanography, v.35, no.1, 1990. pp.165-173

SCHIMMELMANN, A. Determination of the concentration and stable isotopic composition of nonexchangeable hydrogen in organic matter. Analytical Chemistry, v.63, 1991. pp.2456-2459

SCHIMMELMANN, A. (with Mia J. Tegner). Historical oceanographic events reflected in 13C/12C ratio of total organic carbon in laminated Santa Barbara Basin sediment. Global Biogeochemical Cycles, v.5, no.2, 1991. pp.173-188

SCHLEICHER, ROBERT W. (with John L. Largier and J. V. Del Bene). Economic and environmental considerations of seawater desalination in California. In: Proceedings, American Water Resources Association Meeting, June, 1991, San Diego, California, Preprint. General Atomics Project no.4916. San Diego, CA., General Atomics, 1991. pp.1-10

SCHRAM, FREDERICK R. (with Michael J. Emerson). Arthropod pattern theory: a new approach to arthropod phylogeny. Memoirs of the Queensland Museum, v.31, 1991. pp.1-18

SEYMOUR, RICHARD J. Autosuspending turbidity flows. In: Ocean Engineering Science. The Sea, Ideas and Observations on Progress in the Study of the Seas, v.9, Part B, edited by Bernard Le Mehaute and Daniel M. Hanes. New York, John Wiley & Sons, 1990. pp.919-940

- SHEARER, P. M. Constraints on upper mantle discontinuities from observations of long-period reflected and converted phases. Journal of Geophysical Research, v.96, no.B11, 1991. pp.18,147-18,182
- SHEARER, P. M. Imaging global body wave phases by stacking long-period seismograms. Journal of Geophysical Research, v.96, no.B12, 1991. pp.20,353- 20,364
- SHEARER, P. M. (with Kenneth M. Toy). PKP(BC). versus PKP(DF). differential travel times and aspherical structure in the earth's inner core. Journal of Geophysical Research, v.96, no.B2, 1991. pp.2233-2247
- SHERMAN, JEFFREY T. (with Robert Pinkel). Estimates of the vertical wavenumber- frequency spectra of vertical shear and strain. Journal of Physical Oceanography, v.21, no.2, 1991. pp.292-303
- SHIELDS, J. E. (with T. L. Koehler and R. W. Johnson). Whole sky imager. In: Proceedings of the Cloud Impacts on DOD Operations and Systems 1989/90 Conference(CIDOS 89/90), Naval Postgraduate School, Monterey, California, 9-11 January, 1990, edited by D. D. Grantham and J. W. Snow. Hampton, VA., Science and Technology Corporation, 1990. pp.123-128
- SLINGER, J. H. (with John L. Largier). The evolution of thermohaline structure in a closed estuary. South African Journal of Aquatic Science, v.16, no.1/2, 1990. pp.60-77
- SMITH, RAYMOND C. (with K. J. Waters and Karen S. Baker). Optical variability and pigment biomass in the Sargasso Sea as determined using deep-sea optical mooring data. Journal of Geophysical Research, v.96, No.C5, 1991. pp.8665-8686
- SNYDER, RICHARD A. (with Mark D. Ohman). Description of a new species of Strombidinopsidae (Ciliophora: Choreotrichida). from coastal waters of Southern California, U.S.A. American Microscopical Society. Transactions. v.110, no.3, 1991. pp.237-243
- SOMAYAJULU, B. L. K. (with R. Rengarajan, D. Lal, and Harmon Craig). GEOSECS Pacific and Indian ocean 32Si profiles. Earth and Planetary Science Letters, v.107, 1991. pp.197-216
- SONG, JIAKUN (with R. Glenn Northcutt). Morphology, distribution and innervation of the lateral-line receptors of the Florida gar, Lepisosteus platyrhincus. Brain, Behavior and Evolution, v.37, 1991. pp.10-37
- SONG, JIAKUN (with R. Glenn Northcutt). The primary projections of the lateral- line nerves of the Florida gar, Lepisosteus platyrhincus. Brain, Behavior and Evolution, v.37, 1991. pp.38-63
- STEPIEN, CAROL A. (with Richard H. Rosenblatt). Patterns of gene flow and genetic divergence in the northeastern Pacific clinidae (Teleostei: Blennioidei), based on allozyme and morphological data. Copeia, v.4, 1991. pp.873-896
- STIERLE, DONALD B. (with D. John Faulkner). Antimicrobial N-methylpyridinium salts related to the xestamines from the Caribbean sponge Calyx podatypa. Journal of Natural Products, v.54, no.4, 1991. pp.1134-1136

STIERLE, DONALD B. (with D. John Faulkner). Two new pyrroloquinoline alkaloids from the sponge Damiria sp. Journal of Natural Products, v.54, no.4, 1991. pp.1131-1133

STRIEDTER, GEORG F. (with R. Glenn Northcutt). Biological hierarchies and the concept of homology. Brain, Behavior and Evolution, v.38, 1991. pp.177-189

STUESSE, SHERRY L. (with William L. R. Cruce and R. Glenn Northcutt). Localization of serotonin, tyrosine hydroxylase, and leu-enkephalin immunoreactive cells in the brainstem of the horn shark, Heterodontus francisci. Journal of Comparative Neurology, v.308, 1991. pp.277-292

STUESSE, SHERRY L. (with William L. R. Cruce and R. Glenn Northcutt). Serotoninergic and enkephalinergic cell groups in the reticular formation of the bat ray and two skates. Brain, Behavior and Evolution, v.38, 1991. pp.39-52

SUGARMAN, PETER J. (with Kenneth G. Miller, Mark D. Feigenson, and David Bukry). Maestrichtian strontium isotope reference section, Deep Sea Drilling Project hole 525A. Paleoceanography/Paleoclimatology (Posters), Session 136, no.30232. Geological Society of America Abstracts with Programs, v.23, no.5, 1991. p.A399 G-542#

SWINDLE, TIMOTHY D. (with John S. Lewis and Lucy-Ann A. McFadden). The case for planetary sample return missions: 4. Near-Earth asteroids and the history of planetary formation. Eos, v.72, no.44, 1991. pp.473, 479-480

TARDUNO, JOHN A. (with L. A. Mayer, Robert Musgrave, and Shipboard Scientific Party). High-resolution, whole-core magnetic susceptibility data from leg 130, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program, v.130, Initial Reports, Ontong Java Plateau, edited by Loren W. Kroenke, Wolfgang H. Berger, Thomas R. Janecek, et al. College Station, Tex., Ocean Drilling Program, Texas A & M University, in Cooperation with the National Science Foundation, 1991. pp.541-548

TARDUNO, JOHN A. (with William V. Sliter, Loren W. Kroenke, M. Leckie, H. Mayer, John J. Mahoney, Robert Musgrave, M. Storey, and E. L. Winterer). Rapid formation of Ontong Java Plateau by Aptian mantle plume volcanism. Science, v.254, 1991. pp.399-403

TARDUNO, JOHN A. Remagnetization and northward translation of Mesozoic red chert from Cedros Island and the San Benito Islands, Baja California, Mexico: discussion and reply. Geological Society of America Bulletin, v.103, 1991. pp.966-969

TAUXE, LISA (with Niels Kylstra and Catherine G. Constable). Bootstrap statistics for paleomagnetic data. Journal of Geophysical Research, v.96, no.B7, 1991. pp.11,723-11,740

TAUXE, LISA (with Yves Gallet). A jackknife for magnetostratigraphy. Geophysical Research Letters, v.18, no.9, 1991. pp.1783-1786

TEGNER, MIA J. (with Paul K. Dayton). Sea urchins, El Ninos, and the long term stability of Southern California kelp forest communities. Marine Ecology Progress Series, v.77, 1991. pp.49-63

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Experimental observation of temporal fluctuations at the output of the conventional matched-field processor. Journal of the Acoustical Society of America, v.89, no.5, 1991. pp.2291-2302

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Matched-field processing of 200-Hz continuous wave(cw). signals. Journal of the Acoustical Society of America, v.89, no.2, 1991. pp.745-755

TSUCHIYA, MIZUKI Flow path of the Antarctic Intermediate Water in the western equatorial South Pacific Ocean. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S273-S279

VACQUIER, VICTOR The origin of terrestrial heat flow. Geophysical Journal International, v.106, 1991. pp.199-202

VAILLANCOURT, VALERIE (with Mohamad R. Agharahimi, Uma N. Sundram, Olivier Richou, D. John Faulkner, and Kim F. Albizati). Synthesis and absolute configuration of the antiparasitic furanosesquiterpenes (-)-furodysin and(-)- furodysinin. Camphor as a six-membered ring chiral pool template. Journal of Organic Chemistry, v.56, 1991. pp.378-387

VAN ATTA, C. W. Local isotropy of the smallest scales of turbulent scalar and velocity fields. Proceedings of the Royal Society of London A, v.434, 1991. pp.139-147

VENKATESWARLU, YENAMANDRA (with D. John Faulkner, Jorge L. Rios Steiner, Ethan Corcoran, and Jon Clardy). Smenochromenes, unusual macrocyclic sesquiterpene hydroquinone derivatives from a Seychelles sponge of the genus Smenospongia. Journal of Organic Chemistry, v.56, 1991. pp.6271-6274

VENRICK, ELIZABETH L. Mid-ocean ridges and their influence on the large-scale patterns of chlorophyll and production in the North Pacific. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S83-S102

VERNON, FRANK (with Jon Fletcher, Linda Carroll, Alan D. Chave, and Eugene Sembera). Coherence of seismic body waves from local events as measured by a small-aperture array. Journal of Geophysical Research, v.96, no.B7, 1991. pp.11,981-11,996

WAHL, DARRIN D. (with James J. Simpson). Satellite derived estimates of the normal and tangential components of near-surface flow. International Journal of Remote Sensing, v.12, no.12, 1991. pp.2529-2571

WAHLEN, M. (with D. Allen, B. Deck, and A. Herchenroder). Initial measurements of CO2 concentrations (1530 to 1940 AD) in air occluded in the GISP 2 ice core from central Greenland. Geophysical Research Letters, v.18, no.8, 1991. pp.1457-1460

WEBB, JACQUELINE F. (with R. Glenn Northcutt). Ciliated epidermal cells in non-teleost actinopterygian fish. Acta Zoologica (Stockholm), v.72, no.2, 1991. pp.107-111

WEBB, SPAHR (with Xin Zhang and Wayne C. Crawford). Infragravity waves in the deep ocean. Journal of Geophysical Research, v.96, No.C2, 1991. pp.2723-2736

WEFER, G. (with Wolfgang H. Berger). Isotope paleontology: growth and composition of extant calcareous species. Marine Geology, v.100, 1991. pp.207- 248

WEISS, H. (with Minoru Koide, Kathe K. Bertine, and Edward D. Goldberg). Scavenging of particulate matter in coastal waters. Marine Chemistry, v.32, 1991. pp.171-175

WEISS, RAY F. (with Eddy C. Carmack and V. M. Koropalov). Deep-water renewal and biological production in Lake Baikal. Nature, v.349, no.6311, 1991. pp.665-669

WELCH, T. J. (with Douglas Bartlett). Overexpression and sequence of the malate dehydrogenase gene from the deep sea bacterium SS9. In: Abstracts of the 91st. General Meeting of the American Society for Microbiology, Dallas, Texas, 5-9 May, 1991, K-36. Washington, D.C., American Society for Microbiology, 1991. p.220

WELLS, MARK L. (with Edward D. Goldberg). Occurrence of small colloids in sea water. Nature, v.353, 1991. pp.342-344

WHITWORTH, T., III (with W. D. Nowlin, Jr., R. D. Pillsbury, M. I. Moore, and Ray F. Weiss). Observations of the Antarctic Circumpolar Current and deep boundary current in the southwest Atlantic. Journal of Geophysical Research, v.96, no.C8, 1991. pp.15,105-15,118

WIDMER, RUDOLF (with T. G. Masters and Freeman J. Gilbert). Spherically symmetric attenuation within the Earth from normal mode data. Geophysical Journal International, v.104, 1991. pp.541-553

WILLIAMS, T. M. (with Gerald L. Kooyman and Donald Croll). The effect of submergence on heart rate and oxygen consumption of swimming seals and sea lions. Journal of Comparative Physiology B, v.160, 1991. pp.637-644

WOLFE, CONNIE J. (with Margo G. Haygood). Restriction fragment length polymorphism analysis reveals high levels of genetic divergence among the light organ symbionts of flashlight fish. Biological Bulletin, v.181, 1991. pp.135- 143

WOODWARD, ROBERT L. (with T. G. Masters). Global upper mantle structure from long-period differential travel times. Journal of Geophysical Research, v.96, no.B4, 1991. pp.6351-6377

WOODWARD, ROBERT L. (with T. G. Masters). Lower-mantle structure from ScS-S differential travel times. Nature, v.352, 1991. pp.231-233

WORCESTER, PETER F. (with Brian Dushaw and Bruce M. Howe). Gyre-scale reciprocal acoustic transmissions. In: Ocean Variability and Acoustic Propagation, edited by John Potter and Alex Warn-Varnas. Boston, Kluwer Academic Publishers, 1991. pp.119-134

WORCESTER, PETER F. (with B. Cornuelle and Robert C. Spindel). A review of ocean acoustic tomography: 1987-1990. In: Reviews of Geophysics, Supplement to Volume 29, 1991. U.S. National Report to International Union of Geodesy and Geophysics 1987-1990, Part 2. Washington, D.C., American Geophysical Union, 1991. pp.557-570

WU, GUOPING (with M. K. Yasuda and Wolfgang H. Berger). Late Pleistocene carbonate stratigraphy on Ontong-Java Plateau in the western equatorial Pacific. Marine Geology, v.99, 1991. pp.135-150

WU, GUOPING (with Wolfgang H. Berger). Pleistocene 18O records from Ontong-Java Plateau: effects of winnowing and dissolution. Marine Geology, v.96, 1991. pp.193-209

WULLIMANN, MARIO F. (with Dietrich L. Meyer and R. Glenn Northcutt). The visually related posterior pretectal nucleus in the non-percomorph teleost Osteoglossum bicirrhosum projects to the hypothalamus: A DiI study. Journal of Comparative Neurology, v.312, 1991. pp.415-435

YAN, X-H. (with Pearn P. Niiler and R. H. Stewart). Construction and accuracy analysis of images of the daily-mean mixed-layer depth. International Journal of Remote Sensing, v.12, no.12, 1991. pp.2573-2584

AMAN, ANGORA (with Heremino P. Randriamanantena, Alain Podaire, and Robert Frouin). Upscale integration of normalized difference vegetation index: the problem of spatial heterogeneity. IEEE Transactions on Geoscience and Remote Sensing, v.30, no.2, 1992. pp.326-338

AMMERMAN, JAMES W. (with Farooq Azam). Bacterial 5'-nucleotidase activity in estuarine and coastal marine waters: characterization of enzyme activity. Limnology and Oceanography, v.36, no.7, 1991. pp.1427-1436

AMMERMAN, JAMES W. (with Farooq Azam). Bacterial 5'-nucleotidase activity in estuarine and coastal marine waters: role in phosphorous regeneration. Limnology and Oceanography, v.36, no.7, 1991. pp.1437-1447

ASTER, RICHARD C. (with P. M. Shearer). Initial shear wave particle motions and stress constraints at the Anza Seismic Network. Geophysical Journal International, v.108, 1992. pp.740-748

AZAM, FAROOQ (with David C. Smith). Bacterial influence on the variability in the ocean's biogeochemical state: a mechanistic view. In: Particle Analysis in Oceanography. NATO ASI Series. Series G: Ecological Sciences, v.27, edited by Serge Demers. Berlin Heidelberg, Springer-Verlag, 1991. pp.213-236

AZAM, FAROOQ (with David C. Smith and A. F. Carlucci). Bacterial transformation and transport of organic matter in the Southern California Bight. Progress in Oceanography, v.30, 1992. pp.151-166

AZAM, FAROOQ (with David C. Smith and James T. Hollibaugh). The role of the microbial loop in Antarctic pelagic ecosystems. Polar Research, v.10, no.1, 1991. pp.239-243

BACASTOW, ROBERT (with E. Maier-Reimer). Dissolved organic carbon in modeling oceanic new production. Global Biogeochemical Cycles, v.5, no.1, 1991. pp.71-85

BARNETT, TIM P. An attempt to detect the greenhouse-gas signal in a transient GCM simulation. In: Greenhouse-Gas-Induced Climatic Change: A Critical Appraisal of Simulations and Observations. Developments in Atmospheric Science, 19, edited by M. E. Schlesinger. Amsterdam, Elsevier Science Publishers B. V., 1991. pp.559-568

BASAR, EROL (with Theodore Holmes Bullock). Induced Rhythms in the Brain. Brain Dynamics Series, edited by E. Basar and T. H. Bullock. Boston, Birkhauser, 1992. 483p.

BAUER, AARON M. (with Anthony P. Russell and R. E. Shadwick). Skin mechanics and morphology in Sphaerodactylus roosevelti (Reptilia: Gekkonidae). Herpetologica, v.48, no.1, 1992. pp.124-133

BAUER, JAMES E. (with P. M. Williams and E. R. M. Druffel). 14C activity of dissolved organic carbon fractions in the north-central Pacific and Sargasso Sea. Nature, v.357, 1992. pp.667-670

BAUER, JAMES E. (with P. M. Williams and E. R. M. Druffel). Recovery of submilligram quantities of carbon dioxide from gas streams by molecular sieve for subsequent determination of isotopic (13C and 14C). natural abundances. Analytical Chemistry, v.64, no.7, 1992. pp.824-827

BAUMGARTNER, TIM R. (with Andrew Soutar and Vicente Ferreira-Bartrina). Reconstruction of the history of Pacific sardine and northern anchovy populations over the past two millennia from sediments of the Santa Barbara Basin, California. California Cooperative Oceanic Fisheries Investigations Reports, v.33, 1992. pp.24-40

BECKER, JANET (with John W. Miles). Progressive radial cross-waves. Journal of Fluid Mechanics, v.245, 1992. pp.29-46

BEMIS, W. E. (with R. Glenn Northcutt). Skin and blood vessels of the snout of the Australian lungfish, Neoceratodus forsteri, and their significance for interpreting the cosmine of Devonian lungfishes. Acta Zoologica, v.73, no.2, 1992. pp.115-139

BENEDIX, G. K. (with Lucy-Ann A. McFadden, E. M. Morrow, and M. N. Fomenkova). Bias correction factors for near-Earth asteroids. In: Asteroids, Comets, Meteors 1991. Proceedings of the International Conference Held at Northern Arizona University, Flagstaff, June 24-28, 1991, edited by Alan W. Harris and Edward Bowell. Houston, Lunar and Planetary Institute, 1992. pp.65-68

BERGER, WOLFGANG H. The CO2/CH4 climate connection. In: Trace Gases and the Biosphere, edited by Berrien Moore III and David Schimel. Boulder, Colorado, UCAR/Office for Interdisciplinary Earth Studies, 1992. pp.13-40

BERGER, WOLFGANG H. (with G. Wefer). Flux of biogenous materials to the seafloor: open questions. In: Use and Misuse of the Seafloor. Report of the Dahlem Workshop on Use and Misuse of Seafloor, Berlin 1991, March 17-22. Environmental Sciences Research Report, ES11, edited by K. J. Hsu and J. Thiede. Chichester, England, John Wiley & Sons, 1992. pp.285-304

BERGER, WOLFGANG H. No change down under. Nature, v.351, 1991. p.187

BERGER, WOLFGANG H. Pacific carbonate cycles revisited: arguments for and against productivity control. In: Centenary of Japanese Micropaleontology, edited by K. Ishizaki and T. Saito. Tokyo, Terra Scientific Publishing Company, 1992. pp.15-25

BERGER, WOLFGANG H. (with G. Wefer). Productivity of the glacial ocean: discussion of the iron hypothesis. Limnology and Oceanography, v.36, no.8, 1991. pp.1899-1918

BERGER, WOLFGANG H. Produktivitat des ozeans aus geologischer sicht: denkmodelle und beispiele. Zeitschrift der Deutschen Geologischen Gesellschaft, v.142, 1991. pp.149-178

BERGER, WOLFGANG H. (with J. C. Herguera). Reading the sedimentary record of the ocean's productivity. In: Primary Productivity and Biogeochemical Cycles in the Sea, edited by Paul G. Falkowski and Avril D. Woodhead. New York, Plenum Press, 1992. pp.455-486

BERGER, WOLFGANG H. (with L. W. Kroenke, L. A. Mayer, J. Backman, T. R. Janecek, L. Krissek, M. Leckie, and M. Lyle). The record of Ontong Java Plateau: main results of ODP Leg 130. Geological Society of America Bulletin, v.104, 1992. pp.954-972

BOBZIN, STEVEN C. (with D. John Faulkner). Chemistry and chemical ecology of the Bahamian sponge Aplysilla glacialis. Journal of Chemical Ecology, v.18, no.3, 1992. pp.309-332

BRIENZO, R. K. Velocity and attenuation profiles in the Monterey Deep-Sea Fan. Journal of the Acoustical Society of America, v.92, no.4, pt.1, 1992. pp.2109- 2125

BROWNELL, ROBERT L., JR. (with William F. Perrin). World review of incidental mortality in cetaceans. IBI Reports, no.3, 1992. pp.1-8

BRUNE, JAMES (with Joseph R. Curray, LeRoy Dorman, and Russell Raitt). A proposed super-thick sedimentary basin, Bay of Bengal. Geophysical Research Letters, v.19, no.6, 1992. pp.565-568

BUCKERIDGE, JOHN S. (with William A. Newman). A reexamination of Waikalasma (Cirripedia: Thoracica). and its significance in balanomorph phylogeny. Journal of Paleontology, v.66, no.2, 1992. pp.341-345

BUCKINGHAM, MICHAEL J. (with Broderick V. Berkhout and Stewart A. L. Glegg). Imaging the ocean with ambient noise. Nature, v.356, 1992. pp.327-329

BUCKINGHAM, MICHAEL J. Ocean-acoustic propagation models. Journal d' Acoustique, 1992. pp.223-287

BULLOCK, THEODORE HOLMES Comparisons of major and minor taxa reveal two kinds of differences: "Lateral" adaptations and "vertical" changes in grade. In: The Evolutionary Biology of Hearing, edited by Douglas B. Webster, Richard R. Fay, and Arthur N. Popper. New York, Springer-Verlag, 1992. pp.15-19

BULLOCK, THEODORE HOLMES Introduction to induced rhythms: a widespread, heterogeneous class of oscillations. In: Induced Rhythms in the Brain. Brain Dynamics Series, edited by E. Basar and T. H. Bullock. Boston, Birkha user, 1992. pp.1-26

CARESS, D. W. (with M. S. Burnett and John A. Orcutt). Tomographic image of the axial low-velocity zone at 12 50 N on the East Pacific Rise. Journal of Geophysical Research, v.97, no.B6, 1992. pp.9243-9263

CARLUCCI, A. F. (with D. M. Wolgast and D. B. Craven). Microbial populations in surface films: amino acid dynamics in nearshore and offshore waters off southern California. Journal of Geophysical Research, v.97, no.C4, 1992. pp.5271-5280

CARNEVALE, G. F. (with R. C. Kloosterziel and G. J. F. van Heijst). Propagation of barotropic vortices over topography in a rotating tank. Journal of Fluid Mechanics, v.233, 1991. pp.119-139

CASTELLINI, M. A. (with Gerald L. Kooyman and Paul J. Ponganis). Metabolic rates of freely diving Weddell seals: correlations with oxygen stores, swim velocity and diving duration. Journal of Experimental Biology, v.165, 1992. pp.181-194

CASTILLO, PATERNO R. (with Peter A. Floyd and Christian France-Lanord). Isotope geochemistry of leg 129 basalts: implications for the origin of the widespread Cretaceous volcanic event in the Pacific. In: Proceedings of the Ocean Drilling Program, Scientific Results, Old Pacific Crust, v.129, edited by Roger L. Larson, Yves Lancelot, et al. College Station, TX., Ocean Drilling Program, Texas A & M University, 1992. pp.405-413

CHAVE, ALAN D. (with Douglas S. Luther and Jean H. Filloux). The barotropic electromagnetic and pressure experiment. 1. Barotropic current response to atmospheric forcing. Journal of Geophysical Research, v.97, no.C6, 1992. pp.9565-9593

CHAVE, ALAN D. (with Douglas S. Luther, L. J. Lanzerotti, and L. V. Medford). Geoelectric field measurements on a planetary scale: oceanographic and geophysical applications. Geophysical Research Letters, v.19, no.13, 1992. pp.1411-1414

CHENG, LANNA. (with John H. Wormuth). Are there separate populations of Halobates in the Gulf of Mexico? Bulletin of Marine Science, v.50, no.2, 1992. pp.307-319

CHERTOCK, BETH (with Robert Frouin and Catherine Gautier). A technique for global monitoring of net solar irradiance at the ocean surface. Part II: validation. Journal of Applied Meteorology, v.31, no.9, 1992. pp.1067-1083

COBRA, DANIEL T. (with Alan V. Oppenheim and Jules S. Jaffe). Geometric distortions in side-scan sonar images: a procedure for their estimation and correction. IEEE Journal of Oceanic Engineering, v.17, no.3, 1992. pp.252-268

COLLINS, WILLIAM Mechanics of apparent horizons. Physical Review D, v.45, no.2, 1992. pp.495-498

COLLINS, WILLIAM The theory of magnetohydrodynamic wave generation by localized sources. III. Efficiency of plasma heating by dissipation of far-field waves. Astrophysical Journal, v.384, 1992. pp.319-332

CONLEY, DANIEL C. (with Douglas L. Inman). Field Observations of the fluid- granular boundary layer under near-breaking waves. Journal of Geophysical Research, v.97, no.C6, 1992. pp.9631-9643

CONSTABLE, CATHERINE G. Link between geomagnetic reversal paths and secular variation of the field over the past 5 Myr. Nature, v.358, 1992. pp.230-233

CONSTABLE, CATHERINE G. Reply. Journal of Geophysical Research, v.97, no.B10, 1992. pp.13,997-13,998

CYNAR, FRANK J. (with A. A. Yayanos). The distribution of methane in the upper waters of the Southern California Bight. Journal of Geophysical Research, v.97, no.C7, 1992. pp.11,269-11,285

DAVIS, C. S. (with S. M. Gallager, M. S. Berman, L. R. Haury, and J. R. Strickler). The Video Plankton Recorder (VPR): design and initial results. Archiv fur Hydrobiologie. Ergebnisse der Limnologie. Advances in Limnology, v.36, 1992. pp.67-81

DAVIS, RUSS E. (with D. Webb, Lloyd A. Regier, and J. Dufour). The autonomous Lagrangian circulation explorer (ALACE). Journal of Atmospheric and Oceanic Technology, v.9, no.3, 1992. pp.264-285

DAYTON, PAUL K. (with Mia J. Tegner, P. E. Parnell, and Peter B. Edwards). Temporal and spatial patterns of disturbance and recovery in a kelp forest community. Ecological Monographs, v.62, no.3, 1992. pp.421-445

DEANE, GRANT B. (with Chris T. Tindle). A three-dimensional analysis of acoustic propagation in a penetrable wedge slice. Journal of the Acoustical Society of America, v.92, no.3, 1992. pp.1583-1592

DICKSON, ANDREW G. The Determination of Total Dissolved Inorganic Carbon in Seawater Using Extraction/Coulometry: The First Stage of a Collaborative Study. Carbon Dioxide Research Program. Technical Report no.TR053. Washington, D.C., Office of Energy Research, Office of Health and Environmental Research, and Carbon Dioxide Research program, 1992. pp.1-43

DICKSON, ANDREW G. The development of the alkalinity concept in marine chemistry. Marine Chemistry, v.40, 1992. pp.49-63

DIZON, ANDREW E. (with Christina Lockyer, William F. Perrin, Douglas P. DeMaster, and Joyce Sisson). Rethinking the stock concept: a phylogeographic approach. Conservation Biology, v.6, no.1, 1992. pp.24-36

DOUGLAS, MICHAEL E. (with Gary D. Schnell, Daniel J. Hough, and William F. Perrin). Geographic variation in cranial morphology of spinner dolphins Stenella longirostris in the eastern tropical Pacific Ocean. Fishery Bulletin, v.90, 1992. pp.54-76

- DRUFFEL, E. R. M. (with P. M. Williams, James E. Bauer, and John R. Ertel). Cycling of dissolved and particulate organic matter in the open ocean. Journal of Geophysical Research, v.97, no.C10, 1992. pp.15,639-15,659
- DRUFFEL, E. R. M. (with P. M. Williams). Importance of isotope measurements in marine organic geochemistry. Marine Chemistry, v.39, 1992. pp.209-215
- D'SPAIN, GERALD L. (with W. S. Hodgkiss, G. L. Edmonds, John C. Nickles, Frederick H. Fisher, and R. A. Harriss). Initial analysis of the data from the vertical DIFAR array. In: Oceans '92, Proceedings, Volume 1, October 26-29, 1992, Newport, Rhode Island, Mastering the Oceans Through Technology. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1992. pp.346-351
- DUDA, T. F. (with S. M. Flatte, J. A. Colosi, B. Cornuelle, John A. Hildebrand, W. S. Hodgkiss, Peter F. Worcester, Bruce M. Howe, J. A. Mercer, and Robert C. Spindel). Measured wave-front fluctuations in 1000-km pulse propagation in the Pacific Ocean. Journal of the Acoustical Society of America, v.92, no.2, pt.1, 1992. pp.939-955
- ELGAR, STEVE (with Robert T. Guza, M. H. Freilich, and M. J. Briggs). Laboratory simulations of directionally spread shoaling waves. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.118, no.1, 1992. pp.87-103
- ELGAR, STEVE (with T. H. C. Herbers, Michele Okihiro, Joan Oltman-Shay, and Robert T. Guza). Observations of infragravity waves. Journal of Geophysical Research, v.97, no.C10, 1992. pp.15,573-15,577
- ENRIGHT, JAMES T. Unexpected role of the oblique muscles in the human vertical fusional reflex. Journal of Physiology, v.451, 1992. pp.279-293
- FAULKNER, D. JOHN Biomedical uses for natural marine chemicals. Oceanus, v.35, no.1, 1992. pp.29-35
- FOMENKOVA, M. N. (with J. F. Kerridge, K. Marti, and Lucy-Ann A. McFadden). Compositional trends in rock-forming elements of comet Halley dust. Science, v.258, 1992. pp.266-269
- FRITZSCH, B. (with R. Glenn Northcutt). A plastic embedding technique for analyzing fluorescent dextran-amine labelled neuronal profiles. Biotechnic & Histochemistry, v.67, no.3, 1992. pp.153-157
- FROUIN, ROBERT (with Beth Chertock). A technique for global monitoring of net solar irradiance at the ocean surface. Part I: model. Journal of Applied Meteorology, v.31, no.9, 1992. pp.1056-1066
- GAFFEN, DIAN J. (with Tim P. Barnett). A comparison of observations and model simulations of tropospheric water vapor. Journal of Geophysical Research, v.97, no.D3, 1992. pp.2775-2780
- GAFFEY, SUSAN J. (with Lucy-Ann A. McFadden and Douglas Nash). Ultraviolet, visible, and near-infrared reflectance spectroscopy: laboratory spectra of geologic materials. In: Remote Geochemical Analysis: Elemental and Mineralogical Composition, edited by C. M. Pieters and P. A. J. Englert. New York, Press Syndicate of University of Cambridge, 1993. pp.1-29

GAUTIER, CATHERINE (with Robert Frouin). Net surface solar irradiance variability in the central equatorial Pacific during 1982-1985. Journal of Climate, v.5, no.1, 1992. pp.30-55

GENRICH, JOACHIM F. (with Yehuda Bock). Rapid resolution of crustal motion at short ranges with the Global Positioning System. Journal of Geophysical Research, v.97, no.B3, 1992. pp.3261-3269

GOLDBERG, EDWARD D. Marine metal pollutants, a small set. Marine Pollution Bulletin, v.25, nos.1-4, 1992. pp.45-47

GORDON, ARNOLD L. (with Ray F. Weiss, William M. Smethie, Jr., and M. J. Warner). Thermocline and intermediate water communication between the South Atlantic and Indian oceans. Journal of Geophysical Research, v.97, no.C5, 1992. pp.7223-7240

GRIFFITHS, R. I. (with R. E. Shadwick and P. J. Berger). Functional importance of a highly elastic ligament on the mammalian diaphragm. Proceedings of the Royal Society of London, Series B, v.249, 1992. pp.199-204

GUNAWARDANA, GEEWANANDA P. (with Frank E. Koehn, Angela Y. Lee, Jon Clardy, Hai- yin He, and D. John Faulkner). Pyridoacridine alkaloids from deep-water marine sponges of the family Pachastrellidae: structure revision of dercitin and related compounds and correlation with the kuanoniamines. Journal of Organic Chemistry, v.57, 1992. pp.1523-1526

HAMANN, ILSE M. (with James H. Swift). A consistent inventory of water mass factors in the intermediate and deep Pacific Ocean derived from conservative tracers. Deep-Sea Research, v.38, Supplement 1, 1991. pp.S129-S169

HANSEN, J. A. (with D. W. Klumpp, D. M. Alongi, Paul K. Dayton, and M. J. Riddle). Detrital pathways in a coral reef lagoon. II. Detritus deposition, benthic microbial biomass and production. Marine Biology, v.113, 1992. pp.363-372

HAURY, L. R. (with Hidekatsu Yamazaki and Connie L. Fey). Simultaneous measurements of small-scale physical dynamics and zooplankton distributions. Journal of Plankton Research, v.14, no.4, 1992. pp.513-530

HAYGOOD, MARGO G. (with Daniel L. Distel and Peter J. Herring). Polymerase chain reaction and 16S rRNA gene sequences from the luminous bacterial symbionts of two deep-sea anglerfishes. Journal of the Marine Biological Association of the United Kingdom, v.72, 1992. pp.149-159

HE, HAI-YIN (with Yenamandra Venkateswarlu, Mary Kay Harper, D. John Faulkner, J. L. R. Steiner, E. Corcoran, and Jon Clardy). Marine natural products from the Seychelles. In: Troisieme Symposium sur les Substances Naturelles D'interet Biologique de la Region Pacifique-Asie, Noumea, Nouvelle-Caledonie, 26-30 Aout 1991, Actes, edited by Cecile Debitus, Philippe Amade, Dominique Laurent, and Jean-Pierre Cosson. Noumea, New Caledonia, Centre ORSTOM de Noumea. pp.257-264

HE, HAI-YIN (with D. John Faulkner, Angela Y. Lee, and Jon Clardy). A new imidazole alkaloid from the marine sponge Leucetta microrhaphis. Journal of Organic Chemistry, v.57, 1992. pp.2176-2178

HE, HAI-YIN (with Javier Salva, Robert F. Catalos, and D. John Faulkner). Sesquiterpene thiocyanates and isothiocyanates from Axinyssa aplysinoides. Journal of Organic Chemistry, v.57, 1992. pp.3191-3194

HERBERS, T. H. C. (with R. L. Lowe and Robert T. Guza). Field observations of orbital velocities and pressure in weakly nonlinear surface gravity waves. Journal of Fluid Mechanics, v.245, 1992. pp.413-435

HERBERS, T. H. C. (with Robert T. Guza). Wind-wave nonlinearity observed at the seafloor. Part II: wavenumbers and third-order statistics. Journal of Physical Oceanography, v.22, no.5, 1992. pp.489-504

HERBERT, TIMOTHY D. Paleomagnetic calibration of Milankovitch cyclicity in lower Cretaceous sediments. Earth and Planetary Science Letters, v.112, 1992. pp.15- 28

HERBERT, TIMOTHY D. (with Brian A. Tom and Chris Burnett). Precise major component determinations in deep-sea sediments using Fourier Transform Infrared Spectroscopy. Geochimica et Cosmochimica Acta, v.56, 1992. pp.1759-1763

JAHNE, BERND Digital Image Processing, Concepts, Algorithms, and Scientific Applications. New York, Springer-Verlag, 1991. 383p.

JAHNE, BERND From mean fluxes to a detailed experimental investigation of the gas transfer process. In: Air-Water Mass Transfer, Selected Papers from the Second International Symposium on Gas Transfer at Water Surfaces, Minneapolis, Minnesota, September 11-14, 1990, edited by Steven C. Wilhelms and John S. Gulliver. New York, American Society of Civil Engineers, 1991. pp.244-256

JAHNE, BERND (with Jochen Klinke, Peter Geibler, and Frank Hering). Image sequence analysis of ocean wind waves. In: Imaging in Transport Processes, edited by Samuel Sideman and Kunio Hijikata. New York, Begell House, 1993. pp.257-268

JAHNE, BERND Imaging of gas transfer across gas/liquid interfaces. In: Imaging in Transport Processes, edited by Samuel Sideman and Kunio Hijikata. New York, Begell House, 1993. pp.247-256

JAHNE, BERND New experimental results on the parameters influencing air-sea gas exchange. In: Air-Water Mass Transfer, Selected Papers from the Second International Symposium on Gas Transfer at Water Surfaces, edited by Steven C. Wilhelms and John S. Gulliver. New York, American Society of Civil Engineers, 1991. pp.582-592

JENKINS, SCOTT A. (with Joseph Wasyl and David W. Skelly). Tackling trapped sediments. Civil Engineering, v.62, no.2, 1992. pp.61-63

KEIR, R. S. (with R. L. Michel and Ray F. Weiss). Ocean mixing versus gas exchange in Antarctic shelf waters near 150 E. Deep-Sea Research, v.39, no.2, 1992. pp.97-119

KING, SCOTT D. (with T. G. Masters). An inversion for radial viscosity structure using seismic tomography. Geophysical Research Letters, v.19, no.15, 1992. pp.1551-1554

KLOOSTERZIEL, R. C. (with G. F. Carnevale). Formal stability of circular vortices. Journal of Fluid Mechanics, v.242, 1992. pp.249-278

KONG, FANHUA (with Mary Kay Harper and D. John Faulkner). Fuscusine, a tetrahydroisoquinoline alkaloid from the seastar Perknaster fuscus antarcticus. Natural Product Letters, v.1, no.1, 1992. pp.71-74

KOOYMAN, GERALD L. (with Y. Cherel, Yvon Le Maho [sic], J. P. Croxall, Philip H. Thorson, V. Ridoux, and C. A. Kooyman). Diving behavior and energetics during foraging cycles in king penguins. Ecological Monographs, v.62, no.1, 1992. pp.143-163

KOOYMAN, GERALD L. (with Paul J. Ponganis, M. A. Castellini, Edward P. Ponganis, Katherine V. Ponganis, Philip H. Thorson, Scott A. Eckert, and Yvon LeMaho). Heart rates and swim speeds of emperor penguins diving under sea ice. Journal of Experimental Biology, v.165, 1992. pp.161-180

KROLIK, JEFFREY L. Matched-field minimum variance beamforming in a random ocean channel. Journal of the Acoustical Society of America, v.92, no.3, 1992. pp.1408-1419

LARGIER, JOHN L. (with J. H. Slinger and S. Taljaard). The stratified hydrodynamics of the Palmiet - a prototypical bar-built estuary. In: Dynamics and Exchanges in Estuaries and the Coastal Zone. Coastal and Estuarine Studies, no.40, edited by David Prandle. Washington, D.C., American Geophysical Union, 1992. pp.135-153

LARGIER, JOHN L. Tidal intrusion fronts. Estuaries, v.15, no.1, 1992. pp.26-39

LATZ, MICHAEL I. (with James F. Case). Slow photic and chemical induction of bioluminescence in the midwater shrimp, Sergestes similis Hansen. Biological Bulletin, v.182, 1992. pp.391-400

LEE, YOUN-HO (with Victor D. Vacquier). The divergence of species-specific abalone sperm lysins is promoted by positive Darwinian selection. Biological Bulletin, v.182, 1992. pp.97-104

LEE, YOUN-HO (with Victor D. Vacquier). Reusable cDNA libraries coupled to magnetic beads. Analytical Biochemistry, v.206, 1992. pp.206-207

LEWIN, RALPH A. La evoluo de moneroj-kelkaj sciencaj aspektoj. Tutmondaj Sciencoj K Teknikoj, v.2, no.28, 1992. pp.21-24

LEWIN, RALPH A. Intraterrestrial communication. Antenna, v.16, no.3, 1992. pp.93-95

LONGUET-HIGGINS, MICHAEL S. Capillary rollers and bores. Journal of Fluid Mechanics, v.240, 1992. pp.659-679

LONGUET-HIGGINS, MICHAEL S. The crushing of air cavities in a liquid. Proceedings of the Royal Society of London, Series A, v.439, 1992. pp.611-626

LONGUET-HIGGINS, MICHAEL S. Nonlinear damping of bubble oscillations by resonant interaction. Journal of the Acoustical Society of America, v.91, no.3, 1992. pp.1414-1422

LONGUET-HIGGINS, MICHAEL S. Theory of weakly damped Stokes waves: a new formulation and its physical interpretation. Journal of Fluid Mechanics, v.235, 1992. pp.319-324

LOWENSTAM, H. A. (with S. Weiner and William A. Newman). Carbonate apatite- containing shell plates of a barnacle (Cirripedia). In: Chemistry and Biology of Mineralized Tissues, Proceedings of the Fourth International Conference on the Chemistry and Biology of Mineralized Tissues Held in Coronado, California on February 5-9, 1992, edited by Harold Slavkin and Paul Price. New York, Elsevier Science Publishers B.V., 1992. pp.73-84

LUTJEHARMS, J. R. E. (with W. P. M. De Ruijter and Ray G. Peterson). Interbasin exchange and the Agulhas retroflection; the development of some oceanographic concepts. Deep-Sea Research, v.39, no.10, 1992. pp.1791-1807

MASNADI-SHIRAZI, MOHAMMED A. (with Christian de Moustier, Pierre Cervenka, and Stanley H. Zisk). Differential phase estimation with the SeaMARC II bathymetric sidescan sonar system. IEEE Journal of Oceanic Engineering, v.17, no.3, 1992. pp.239-251

MCFADDEN, LUCY-ANN A. (with Alan B. Chamberlin). Near infrared reflectance spectra: applications to problems in asteroid-meteorite relationships. In: Asteroids, Comets, Meteors 1991. Proceedings of the International Conference Held at Northern Arizona University, Flagstaff, June 24-28, 1991, edited by Alan W. Harris and Edward Bowell. Houston, Lunar and Planetary Institute, 1992. pp.413-416

MCPHADEN, M. J. (with F. Bahr, Y. Du Penhoat, Eric Firing, S. P. Hayes, Pearn P. Niiler, P. L. Richardson, and J. M. Toole). The response of the western equatorial Pacific Ocean to westerly wind bursts during November 1989 to January 1990. Journal of Geophysical Research, v.97, no.C9, 1992. pp.14,289-14,303

MILES , JOHN W. On Rayleigh's investigation of crispations of fluid resting on a vibrating support. Journal of Fluid Mechanics, v.244, 1992. pp.645-648

MILES , JOHN W. On surface waves with zero contact angle. Journal of Fluid Mechanics, v.245, 1992. pp.485-492

MILES, JOHN W. Variational approximations for gravity waves in water of variable depth. Journal of Fluid Mechanics, v.232, 1991. pp.681-688

MILLER, ARTHUR J. Large-scale ocean-atmosphere interactions in a simplified coupled model of the midlatitude wintertime circulation. Journal of the Atmospheric Sciences, v.49, no.4, 1992. pp.273-286

MILLER, ARTHUR J. On forced barotropic vorticity oscillations. Journal of Physical Oceanography, v.22, no.7, 1992. pp.808-810

MILLER, ARTHUR J. (with Josef M. Oberhuber, Nicholas E. Graham, and Tim P. Barnett). Tropical Pacific Ocean response to observed winds in a layered general circulation model. Journal of Geophysical Research, v.97, no.C5, 1992. pp.7317-7340

MORI, KENJI (with Hirosato Takikawa, Masaru Kido, Kim F. Albizati, and D. John Faulkner). Synthesis of (ñ)- and meso-limatulone, defensive triterpene metabolites of the limpet Collisella limatula. Natural Product Letters, v.1, no.1, 1992. pp.59-64

MULLER, R. DIETMAR (with Walter R. Roest). Fracture zones in the North Atlantic from combined Geosat and Seasat data. Journal of Geophysical Research, v.97, no.B3, 1992. pp.3337-3350

MULLIN, MICHAEL M. (with Takashi Onb,). Diel reproduction and vertical distributions of the marine cladocerans, Evadne tergestina and Penilia avirostris, in contrasting coastal environments. Journal of Plankton Research, v.14, no.1, 1992. pp.41-59

NEWMAN, WILLIAM A. Biotic cognates of eastern boundary conditions in the Pacific and Atlantic: relicts of Tethys and climatic change. Proceedings of the San Diego Society of Natural History, no.16, 1992. pp.1-7

NEWMAN, WILLIAM A. Origin of Maxillopoda. Acta Zoologica, v.73, no.5, 1992. pp.319-322

NICKLES, JOHN C. (with G. L. Edmonds, R. A. Harriss, Frederick H. Fisher, W. S. Hodgkiss, Jim Giles, and Gerald D'Spain). A vertical array of directional acoustic sensors. In: Oceans '92, Proceedings, Volume 1, October 26-29, 1992, Newport, Rhode Island, Mastering the Oceans Through Technology. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1992. pp.340-345

NORTHCUTT, R. GLENN (with Mark Ronan). Afferent and efferent connections of the bullfrog medial pallium. Brain, Behavior and Evolution, v.40, 1992. pp.1-16

NORTHCUTT, R. GLENN Distribution and innervation of lateral line organs in the axolotl. Journal of Comparative Neurology, v.325, 1992. pp.95-123

NORTHCUTT, R. GLENN The phylogeny of octavolateralis ontogenies: a reaffirmation of Garstang's phylogenetic hypothesis. In: The Evolutionary Biology of Hearing, edited by Douglas B. Webster, Richard R. Fay, and Arthur N. Popper. New York, Springer-Verlag, 1992. pp.21-47

OELSCHLAGER, HELMUT A. (with R. Glenn Northcutt). Immunocytochemical localization of luteinizing hormone-releasing hormone (LHRH) in the nervus terminalis and brain of the big brown bat, Eptesicus fuscus. Journal of Comparative Neurology, v.315, 1992. pp.344-363

OHMAN, MARK D. Immunochemical recognition of oligotrich ciliates. Marine Biology, v.114, 1992. pp.653-660

OKIHIRO, MICHELE (with Robert T. Guza and Richard J. Seymour). Bound infragravity waves. Journal of Geophysical Research, v.97, no.C7, 1992. pp.11,453-11,469

OWEN, ROBERT W. (with S. F. Gianesella-Galvao and M. B. B. Kutner). Discrete, subsurface layers of the autotrophic ciliate Mesodinium rubrum off Brazil. Journal of Plankton Research, v.14, no.1, 1992. pp.97-105

PADMAN, LAURIE (with Albert J. Plueddemann, Robin D. Muench, and Robert Pinkel). Diurnal tides near the Yermak Plateau. Journal of Geophysical Research, v.97, no.C8, 1992. pp.12,639-12,652

PETERSON, RAY G. The boundary currents in the western Argentine Basin. Deep-Sea Research, v.39, no.3-4, 1992. pp.623-644

PINKEL, ROBERT (with Jerome Smith). Repeat-sequence coding for improved precision of Doppler sonar and sodar. Journal of Atmospheric and Oceanic Technology, v.9, no.2, 1992. pp.149-163

PINKEL, ROBERT (with Steven Anderson). Toward a statistical description of finescale strain in the thermocline. Journal of Physical Oceanography, v.22, no.7, 1992. pp.773-795

PONGANIS, PAUL J. (with Roger L. Gentry, Edward P. Ponganis, and Katherine V. Ponganis). Analysis of swim velocities during deep and shallow dives of two northern fur seals, Callorhinus ursinus. Marine Mammal Science, v.8, no.1, 1992. pp.69-75

PONGANIS, PAUL J. (with Gerald L. Kooyman). Diving physiology of penguins. In: Symposium 33, Physiology of Diving Birds, Acta XX Congressus Internationalis Ornithologici, conveners P. J. Butler and D. R. Jones. Wellington, New Zealand, New Zealand Ornithological Congress Trust Board, 1991. pp.1887-1892

PONGANIS, PAUL J. (with Gerald L. Kooyman, D. Sartoris, and P. Jobsis). Pinniped splenic volumes. American Journal of Physiology, v.262, 1992. pp.R322-R325

POTTS, BARBARA C. M. (with D. John Faulkner, M. S. de Carvalho, and R. S. Jacobs). Chemical mechanism of inactivation of bee venom phospholipase A2 by the marine natural products manoalide, luffariellolide, and scalaradial. Journal of the American Chemical Society, v.114, 1992. pp.5093-5100

POTTS, BARBARA C. M. (with Robert J. Capon and D. John Faulkner). Luffalactone and (4E,6E)-dehydromanoalide from the sponge Luffariella variabilis. Journal of Organic Chemistry, v.57, 1992. pp.2965-2967

POTTS, BARBARA C. M. (with D. John Faulkner and R. S. Jacobs). Phospholipase A2 inhibitors from marine organisms. Journal of Natural Products, v.55, no.12, 1992. pp.1701-1717

POULAIN, P. M. (with Douglas S. Luther and William C. Patzert). Deriving inertial wave characteristics from surface drifter velocities: frequency variability in the tropical Pacific. Journal of Geophysical Research, v.97, no.C11, 1992. pp.17,947-17,959

PRECHTL, JAMES C. (with Theodore Holmes Bullock). Barbiturate sensitive components of visual ERPs in a reptile. NeuroReport, v.3, no.9, 1992. pp.801-804

RAMANATHAN, V. (with William Collins). Thermostat and global warming. Nature, v.357, 1992. p.649

REIMERS, CLARE E. (with Richard A. Jahnke and Daniel C. McCorkle). Carbon fluxes and burial rates over the continental slope and rise off central California with implications for the global carbon cycle. Global Biogeochemical Cycles, v.6, no.2, 1992. pp.199-224

REUSS, EDWARD (with Jules S. Jaffe). Real-time three-dimensional imaging sonar for in-situ tracking of zooplankton in the ocean. In: New Developments in Ultrasonic Transducers and Transducer Systems, 21-22 July 1992, San Diego, California, Proceedings of SPIE-The International Society for Optical Engineering, v.1733, edited by Frederic L. Lizzi. Bellingham, WA, Society of Photo-Optical Instrumentation Engineers, 1992. pp.322-328

ROADS, JOHN OWEN (with Shyh-Chin Chen, J. Kao, D. Langley, and G. Glatzmaier). Global aspects of the Los Alamos general circulation model hydrologic cycle. Journal of Geophysical Research, v.97, no.D9, 1992. pp.10,051-10,068

ROADS, JOHN OWEN (with K. Ueyoshi, Shyh-Chin Chen, J. Alpert, and F. Fujioka). Medium-range fire weather forecasts. International Journal of Wildland Fire, v.1, no.3, 1991. pp.159-176

ROGERS, DAVID P. (with Darko Koraþin). Radiative transfer and turbulence in the cloud-topped marine atmospheric boundary layer. Journal of the Atmospheric Sciences, v.49, no.16, 1992. pp.1473-1486

SALMON, RICK A two-layer Gulf Stream over a continental slope. Journal of Marine Research, v.50, 1992. pp.341-365

SANDWELL, DAVID T. Antarctic marine gravity field from high-density satellite altimetry. Geophysical Journal International, v.109, 1992. pp.437-448

SANFILIPPO, ANNIKA (with William R. Riedel). The origin and evolution of Pterocorythidae (Radiolaria): a Cenozoic phylogenetic study. Micropaleontology, v.38, no.1, 1992. pp.1-36

SCHIMMELMANN, A. (with Carina Lange, Wolfgang H. Berger, A. Simon, Susan K. Burke, and R. B. Dunbar). Extreme climatic conditions recorded in Santa Barbara Basin laminated sediments: the 1835-1840 Macoma event. Marine Geology, v.106, 1992. pp.279-299

SCHIMMELMANN, A. (with Mia J. Tegner). Historical evidence of abrupt coastal climatic change in southern California, 1790-1880. In: Proceedings of the Eighth Annual Pacific Climate (PACLIM). Workshop, Asilomar, California - March 10-13, 1991. Technical report 31 of the Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary, edited by Kelly T. Redmond. Sacramento, CA, California Department of Water Resources, 1992. pp.47-56

SCHUTT, A. (with Erol Baþar and Theodore Holmes Bullock). The effects of acetylcholine, dopamine and noradrenaline on the visceral ganglion of Helix Pomatia-I. Ongoing compound field potentials of low frequencies. Comparative Biochemistry and Physiology, v.102C, no.1, 1992. pp.159-168

SEYMOUR, RICHARD J. (with Richard A. Geyer). Fates and effects of oil spills. Annual Review of Energy and Environment, v.17, 1992. pp.261-283

SHADWICK, R. E. Circulatory structure and mechanics. In: Biomechanics-Structures and Systems, A Practical Approach, edited by A. A. Biewener. Oxford, Oxford University Press, 1992. pp.233-261

SHADWICK, R. E. Soft composites. In: Biomechanics-Materials, A Practical Approach, edited by Julian F. V. Vincent. Oxford, Oxford University Press, 1992. pp.133-164

SHADWICK, R. E. (with Anthony P. Russell and Randolph F. Lauff). The structure and mechanical design of rhinoceros dermal armour. Philosophical Transactions of the Royal Society of London, Series B, v.337, 1992. pp.419-428

SHERMAN, JEFF Observations of Argos performance. Journal of Atmospheric and Oceanic Technology, v.9, no.3, 1992. pp.323-328

SHEARER, P. M. (with T. G. Masters). Global mapping of topography on the 660-km discontinuity. Nature, v.355, 1992. pp.791-796

SHIMADA, SEIICHI (with Yehuda Bock). Crustal deformation measurements in central Japan determined by a Global Positioning System fixed-point network. Journal of Geophysical Research, v.97, no.B9, 1992. pp.12,437-12,455

SIMON, MEINHARD (with Byung C. Cho and Farooq Azam). Significance of bacterial biomass in lakes and the ocean: comparison to phytoplankton biomass and biogeochemical implications. Marine Ecology Progress Series, v.86, 1992. pp.103-110

SIMPSON, JAMES J. Image masking using polygon fills and morphological transformations. Remote Sensing of Environment, v.40, 1992. pp.161-183

SIMPSON, JAMES J. Remote sensing and geographical information systems: their past, present and future use in global marine fisheries. Fisheries Oceanography, v.1, no.3, 1992. pp.238-280

SIMPSON, JAMES J. Response of the southern California Current system to the mid-latitude North Pacific coastal warming events of 1982-1983 and 1940-1941. Fisheries Oceanography, v.1, no.1, 1992. pp.57-79

SLOAN, FORREST E. (with Richard J. Seymour). The effect of seawater exposure on Mode I interlaminar fracture and crack growth in graphite/epoxy. Journal of Composite Materials, v.26, no.18, 1992. pp.2655-2673

SMITH, DAVID C. (with Meinhard Simon, A. L. Alldredge, and Farooq Azam). Intense hydrolytic enzyme activity on marine aggregates and implications for rapid particle dissolution. Nature, v.359, 1992. pp.139-142

SMITH, JEROME (with Robert Pinkel). Improvement of Doppler estimation through repeat-sequence coding. In: Oceans '91, October 1-3, 1991, Honolulu, Hawaii, Proceedings, Volume 2, Ocean Technologies

and Opportunities in the Pacific for the 90's. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1991. pp.977-984

SMITH, JEROME Observed growth of Langmuir circulation. Journal of Geophysical Research, v.97, no.C4, 1992. pp.5651-5664

SMITH, KEITH (with D. Martin James, Anil G. Mistry, Martin R. Bye, and D. John Faulkner). A new method for bromination of carbazoles, B-carbolines and iminodibenzyls by use of N-bromosuccinimide and silica gel. Tetrahedron, v.48, no.36, 1992. pp.7479-7488

SPIESS, FRED N. (with D. E. Boegeman and C. D. Lowenstein). First ocean-research- ship-supported fly-in re-entry to a deep ocean drill hole. Marine Technology Society Journal, v.26, no.3, 1992. pp.3-10

SUTTON, DON W. (with Jules S. Jaffe). Acoustic bedload velocity estimates using a broadband pulse-pulse time correlation technique. Journal of the Acoustical Society of America, v.92, no.3, 1992. pp.1692-1698

TALLEY, LYNNE D. (with Terrence M. Joyce). The double silica maximum in the North Pacific. Journal of Geophysical Research, v.97, no.C4, 1992. pp.5465-5480

TARDUNO, JOHN A. Magnetic susceptibility cyclicity and magnetic dissolution in cretaceous limestones of the Southern Alps (Italy). Geophysical Research Letters, v.19, no.14, 1992. pp.1515-1518

TARDUNO, JOHN A. (with William Lowrie, William V. Sliter, Timothy J. Bralower, and Friedrich Heller). Reversed polarity characteristic magnetizations in the Albian Contessa section, Umbrian Apennines, Italy: implications for the existence of a mid-Cretaceous mixed polarity interval. Journal of Geophysical Research, v.97, no.B1, 1992. pp.241-271

TEBO, BRADLEY M. Manganese(II). oxidation in the suboxic zone of the Black Sea. Deep-Sea Research, v.38, Supplement 2, 1991. pp.S883-S905

TEBO, BRADLEY M. (with R. A. Rosson and K. H. Nealson). Potential for manganese(II). oxidation and manganese(IV). reduction to co-occur in the suboxic zone of the Black Sea. In: Black Sea Oceanography. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.351, edited by Erol Izdar and James W. Murray. Dordrecht, Netherlands, Kluwer Academic Publishers, 1991. pp.173-185

TEGNER, MIA J. Brood-stock transplants as an approach to abalone stock enhancement. In: Abalone of the World, Biology, Fisheries and Culture, Proceedings of the 1st. International Symposium on Abalone, edited by S. A. Shepherd, Mia J. Tegner, and S. A. Guzman Del Proo. Oxford, Fishing News Books, 1992. pp.461-473

TEGNER, MIA J. (with John D. DeMartini and Konstantin A. Karpov). The California red abalone fishery: a case study in complexity. In: Abalone of the World, Biology, Fisheries and Culture, Proceedings of the 1st. International Symposium on Abalone, edited by S. A. Shepherd, Mia J. Tegner, and S. A. Guzman Del Proo. Oxford, Fishing News Books, 1992. pp.370-383

THOMAS, WILLIAM H. (with Carl H. Gibson). Effects of quantified small-scale turbulence on the dinoflagellate, Gymnodinium sanguineum (splendens): contrasts with Gonyaulax (Lingulodinium). polyedra, and the fishery implication. Deep-Sea Research, v.39, nos.7-8, 1992. pp.1429-1437

THOMAS, WILLIAM H. (with Byung C. Cho and Farooq Azam). Phytoplankton and bacterial production and biomass in subalpine Eastern Brook Lake, Sierra Nevada, California. I. Seasonal interrelationships between the two biotic groups. Arctic and Alpine Research, v.23, no.3, 1991. pp.287-295

THOMAS, WILLIAM H. (with Byung C. Cho and Farooq Azam). Phytoplankton and bacterial production and biomass in subalpine Eastern Brook Lake, Sierra Nevada, California. II. Comparison with other highelevation lakes. Arctic and Alpine Research, v.23, no.3, 1991. pp.296-302

TRIMURTULU, GOLAKOTI (with Diana M. Kushlan, D. John Faulkner, and C. Bheemasankara Rao). Divarinone, a novel diterpene from the brown alga Dictyota divaricata of the Indian Ocean. Tetrahedron Letters, v.33, no.6, 1992. pp.729-732

TRIPP, BRUCE W. (with John W. Farrington, Edward D. Goldberg, and Jose Sericano). International mussel watch: the initial implementation phase. Marine Pollution Bulletin, v.24, no.7, 1992. pp.371-373

TSUCHIYA, MIZUKI (with Lynne D. Talley and Michael S. McCartney). An eastern Atlantic section from Iceland southward across the equator. Deep-Sea Research, v.39, nos.11-12, 1992. pp.1885-1917

VAN SYOC, ROBERT J. Living and fossil populations of a western Atlantic barnacle, Balanus subalbidus Henry, 1974, in the Gulf of California region. Proceedings of the San Diego Society of Natural History, no.12, 1992. pp.1-7

VENRICK, ELIZABETH L. Oceanic chlorophyll. In: Encyclopedia of Earth System Science, Volume 3, edited by William A. Nierenberg. San Diego, CA, Academic Press, Inc., 1992. pp.403-413

VERNET, M. Phytoplankton dynamics in the Barents Sea estimated from chlorophyll budget models. Polar Research, v.10, no.1, 1991. pp.129-145

VILAS, FAITH (with Lucy-Ann A. McFadden). CCD reflectance spectra of selected asteroids. 1. Presentation and data analysis considerations. Icarus, v.100, 1992. pp.85-94

WALKER, H. J., JR. (with Keith W. Radford). Eastern Pacific species of the genus Umbrina (Pisces: Sciaenidae). with a description of a new species. Fishery Bulletin, v.90, 1992. pp.574-587

WARNER, M. J. (with Ray F. Weiss). Chlorofluoromethanes in South Atlantic Antarctic Intermediate Water. Deep-Sea Research, v.39, nos.11- 12, 1992. pp.2053-2075

WDOWINSKI, SHIMON Dynamically supported trench topography. Journal of Geophysical Research, v.97, no.B12, 1992. pp.17,651-17,656

WEBB, SPAHR The equilibrium oceanic microseism spectrum. Journal of the Acoustical Society of America, v.92, no.4, pt.1, 1992. pp.2141-2158

WEBB, SPAHR (with Adam Schultz). Very low frequency ambient noise at the seafloor under the Beaufort Sea icecap. Journal of the Acoustical Society of America, v.91, no.3, 1992. pp.1429-1439

WELLS, MARK L. (with Edward D. Goldberg). Marine submicron particles. Marine Chemistry, v.40, 1992. pp.5-18

WHITE, WARREN B. (with Chang-Kou Tai). Reflection of interannual Rossby waves at the maritime western boundary of the tropical Pacific. Journal of Geophysical Research, v.97, no.C9, 1992. pp.14,305-14,322

WHITMAN, JILL M. (with Wolfgang H. Berger). Pliocene-Pleistocene oxygen isotope record Site 586, Ontong Java Plateau. Marine Micropaleontology, v.18, 1992. pp.171-198

WICHT, HELMUT (with R. Glenn Northcutt). FMRFamide-like immunoreactivity in the brain of the Pacific hagfish, Eptatretus stouti (Myxinoidea). Cell Tissue Research, v.270, 1992. pp.443-449

WICHT, HELMUT (with R. Glenn Northcutt). The forebrain of the Pacific hagfish: a cladistic reconstruction of the ancestral craniate forebrain. Brain, Behavior and Evolution, v.40, 1992. pp.25-64

WIDMER, RUDOLF (with T. G. Masters and Freeman J. Gilbert). Observably split mutlipletsbdata analysis and interpretation in terms of large-scale aspherical structure. Geophysical Journal International, v.111, 1992. pp.559-576

WIDMER, RUDOLF (with W. Zurn and T. G. Masters). Observation of low-order toroidal modes from the 1989 Macquarie Rise event. Geophysical Journal International, v.111, 1992. pp.226-236

WIERZIMOK, DIETMAR (with Bernd Jahne). Measurement of wave-induced turbulent flow structures using digital image sequence analysis. In: Air-Water Mass Transfer, Selected Papers from the Second International Symposium on Gas Transfer at Water Surfaces, Minneapolis, Minnesota, September 11-14, 1990, edited by Steven C. Wilhelms and John S. Gulliver. New York, American Society of Civil Engineers, 1991. pp.200-209

WILLIAMS, P. M. (with Kenneth J. Robertson, Andrew Soutar, S. M. Griffin, and E. R. M. Druffel). Isotopic signatures (14C, 13C, 15N) as tracers of sources and cycling of soluble and particulate organic matter in the Santa Monica Basin, California. Progress in Oceanography, v.30, 1992. pp.253-290

WILLIAMS, P. M. Measurement of dissolved organic carbon and nitrogen in natural waters. Oceanography, v.5, no.2, 1992. pp.107-116

WOODWARD, ROBERT L. (with T. G. Masters). Upper mantle structure from long-period differential traveltimes and free oscillation data. Geophysical Journal International, v.109, 1992. pp.275-293

YANG, T.-H. (with N. Chin Lai, Jeffrey B. Graham, and George N. Somero). Respiratory, blood, and heart enzymatic adaptations of Sebastolobus alascanus (Scorpaenidae; Teleostei) to the oxygen minimum zone: a comparative study. Biological Bulletin, v.183, 1992. pp.490-499

YUAN, XIAOJUN (with Lynne D. Talley). Shallow salinity minima in the North Pacific. Journal of Physical Oceanography, v.22, no.11, 1992. pp.1302-1316

ACHIMOWICZ, J. Z. (with Theodore Holmes Bullock). Nonlinear properties of local field potentials in brain: implications for biological neural network modelling. Institute for Neural Computation, Proceedings of the Annual Research Symposium, v.3, 1993. pp.29-49.

ARRHENIUS, GUSTAF (with B. Gedulin and S. Mojzsis). Phosphate in models for chemical evolution. In: Proceedings, Conference on Chemical Evolution and the Origin of Life, International Centre for Theoretical Physics, Trieste, Italy, Oct. 1992, edited by C. Ponnamperuma and J. Chela- Flores. Hampton, VA, A. Deepak Publishing, 1993. pp.1-26.

BARG, E. (with T. Lee, D. Lal, Farooq Azam, and P. Arrhenius). An electrochemical method for in situ extraction of trace elements, radionuclides, and submicron particles from seawater. Geochimica et Cosmochimica Acta, v.57, 1993. pp.37-46.

BARNETT, TIM P. (with M. Latif, Nicholas E. Graham, M. Flugel, S. Pazan, and Warren B. White). ENSO and ENSO-related predictability. Part I: Prediction of equatorial Pacific sea surface temperature with a hybrid coupled ocean- atmosphere model. Journal of Climate, v.6, no.8, 1993. pp.1545-1566.

BARTLETT, DOUGLAS (with Ellen Chi and Miriam Wright). Sequence of the ompH gene from the deep-sea bacterium Photobacterium SS9. Gene, v.131, 1993. pp.125-128.

BASSLER, BONNIE L. (with Miriam Wright, Richard E. Showalter, and Michael Silverman). Intercellular signalling in Vibrio harveyi: sequence and function of genes regulating expression of luminescence. Molecular Microbiology, v.9, no.4, 1993. pp.773-786

BENGTSSON, L. (with U. Schlese, E. Roeckner, M. Latif, Tim P. Barnett, and Nicholas E. Graham). A two-tiered approach to long-range climate forecasting. Science, v.261, 1993. pp.1026-1029.

BERGER, WOLFGANG H. (with Robert M. Leckie, T. R. Janecek, R. Stax, and T. Takayama). Neogene carbonate sedimentation on Ontong Java Plateau: highlights and open questions. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.711-744.

BERGER, WOLFGANG H. (with T. Bickert, H. Schmidt, G. Wefer, and M. K. Yasuda). Quaternary oxygen isotope record of pelagic foraminifers: Site 805, Ontong Java Plateau. In Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.363-379.

BERGER, WOLFGANG H. (with T. Bickert, H. Schmidt, and G. Wefer). Quaternary oxygen isotope record of pelagic foraminifers: Site 806, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program,

Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.381-395.

BERTINE, KATHE K. (with Minoru Koide and Edward D. Goldberg). Aspects of rhodium marine chemistry. Marine Chemistry, v.42, 1993. pp.199-210.

BHARGAVA, VALMIK (with N. Chin Lai, Jeffrey B. Graham, Steven C. Hempleman, and R. Shabetai). Digital image analysis of shark gills: modeling of oxygen transfer in the domain of time. American Journal of Physiology, v.263, 1992. pp.R741- R746.

BICKERT, T (with Wolfgang H. Berger, Susan K. Burke, H. Schmidt and G. Wefer). Late quaternary stable isotope record of benthic foraminifers: sites 805 and 806, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.411-420.

BOCK, YEHUDA (with D. Agnew, Peng Fang, Joachim F. Genrich, Bradford H. Hager, Thomas A. Herring, Kenneth W. Hudnut, Robert W. King, Shawn Larsen, J.-Bernard Minster, Keith Stark, Shimon Wdowinski, and Frank Wyatt). Detection of crustal deformation from the Landers earthquake sequence using continuous geodetic measurements. Nature, v.361, 1993. pp.337-340.

BOGDEN, PHILIP S. (Russ E. Davis and Rick Salmon). The North Atlantic circulation: combining simplified dynamics with hydrographic data. Journal of Marine Research, v.51, 1993. pp.1-52.

BOYD, TIMOTHY J. (with Douglas S. Luther, R. A. Knox, and Myrl C. Hendershott). High-frequency internal waves in the strongly sheared currents of the upper equatorial Pacific: observations and a simple spectral model. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,089-18,107.

BRAY, N. A. (with Cheryl L. Greengrove). Circulation over the shelf and slope off northern California. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,119-18,145.

BRIENZO, R. K. (with W. S. Hodgkiss). Broadband matched-field processing. Journal of the Acoustical Society of America, v.94, no.5, 1993. pp.2821-2831.

BUCKINGHAM, MICHAEL J. Theory of acoustic imaging in the ocean with ambient noise. Journal of Computational Acoustics, v.1, no.1, 1993. pp.117-140.

BUKRY, DAVID Cretaceous coccolith correlation for Point Loma Formation outfall test well, San Diego, California. In: United States Department of the Interior, Geological Survey, Open-File report 93-567. Menlo Park, CA., U.S. Geological Survey, 1993. 14p.

BULLOCK, THEODORE HOLMES How are more complex brains different? One view and an agenda for comparative neurobiology. Brain, Behavior and Evolution, v.41, 1993. pp.88-96

BULLOCK, THEODORE HOLMES How Do Brains Work? Papers of a Comaparative Neurophysiologist. Contemporary Neuroscientists. Boston, Birkhauser, 1993. 661p.

BULLOCK, THEODORE HOLMES Intergrative systems research on the brain: resurgence and new opportunities. Annual Review of Neuroscience, v.16, 1993. pp.1-15.

BULLOCK, THEODORE HOLMES (with S. Karam rsel and Michael H. Hofmann). Interval-specific event related potentials to omitted stimuli in the electrosensory pathway in elasmobranchs: an elementary form of expectation. Journal of Comparative Physiology A, v.172, 1993. pp.501-510.

BURKE, SUSAN K. (with Wolfgang H. Berger, William T. Coulbourn, and E. Vincent). Benthic foraminifera in box core ERDC 112, Ontong Java Plateau. Journal of Foraminiferal Research, v.23, no.1, 1993. pp.19-39.

BUTLER, ANN B (with R. Glenn Northcutt). The diencephalon of the Pacific herring, Clupea harengus: cytoarchitectonic analysis. Journal of Comparative Neurology, v.328, 1993. pp.527-546

BUTLER, JOHN L. (with Paul E. Smith and N. Chyan-Huei Lo). The effect of natural variability of life-history parameters on anchovy and sardine population growth. California Cooperative Oceanic Fisheries Investigations Reports, v.34, 1993. pp.104-111.

CASE, J. F. (with E. A. Widder, S. Bernstein, K. Ferer, D. Young, Michael I. Latz, M. Geiger, and D. Lapota). Assessment of marine bioluminescence. Naval Research Reviews, v.45, 1993. pp.31-41.

CATANIA, KENNETH C. (with R. Glenn Northcutt, Jon H. Kaas, and Pam D. Beck). Nose stars and brain stripes. Nature, v.364, 1993. p.493.

CAYAN, DANIEL R. (with Laurence G. Riddle and Edward Aguado). The influence of precipitation and temperature on seasonal streamflow in California. Water Resources Research, v.29, no.4, 1993. pp.1127-1140.

CAYAN, DANIEL R. (with David H. Peterson). Spring climate and salinity in the San Francisco Bay Estuary. Water Resources Research, v.29, no.2, 1993. pp.293-303.

CERVENKA, PIERRE (with Christian de Moustier). Sidescan sonar image processing techniques. IEEE Journal of Oceanic Engineering, v.18, no.2, 1993. pp.108-122.

CESSI, PAOLA (with G. R. Ierley). Nonlinear disturbances of western boundary currents. Journal of Physical Oceanography, v.23, no.8, 1993. pp.1727-1735.

CHAN, GEORGE W. (with Terry Francis, Dean R. Thureen, Priscilla Offen, Nigel J. Pierce, John W. Westley, Randall K. Johnson, and D. John Faulkner). Purpurone, an inhibitor of ATPpcitrate lyase: a novel alkaloid from the marine sponge Iotrochota sp. Journal of Organic Chemistry, v.58, 1993. pp.2544-2546.

CHEN, SHYH-CHIN (with John Owen Roads and Jordan Alpert). Variability and predictability in an empirically forced global model. Journal of the Atmospheric Sciences, v.50, no.3, 1993. pp.443-463.

CHENG, LANNA (with J. H. Frank). Marine insects and their reproduction. Oceanography and Marine Biology, An Annual Review, v.31, 1993. pp.479-506

CHI, ELLEN (with Douglas Bartlett). Use of a reporter gene to follow high- pressure signal transduction in the deep-sea bacterium Photobacterium sp. strain SS9. Journal of Bacteriology, v.175, no.23, 1993. pp.7533-7540.

COCHLAN, WILLIAM P. (with J. Wikner, Grieg F. Steward, David C. Smith, and Farooq Azam). Spatial distribution of viruses, bacteria and chlorophyll a in neritic, oceanic and estuarine environments. Marine Ecology Progress Series, v.92, 1993. pp.77-87.

CONSTABLE, CATHERINE G. About turn for reversals. Nature, v.361, 1993. pp.305-306.

CONSTABLE, CATHERINE G. (with Robert L. Parker and Philip B. Stark). Geomagnetic field models incorporating frozen-flux constraints. Geophysical Journal International, v.113, 1993. pp.419-433

CONSTABLE, STEVEN C. Conduction by mantle hydrogen. Nature, v.362, 1993. pp.704.

CONSTABLE, STEVEN C. Constraints on mantle electrical conductivity from field and laboratory measurements. Journal of Geomagnetism and Geoelectricity, v.45, 1993. pp.707-728.

CONSTABLE, STEVEN C. (with Graham Heinson). In defence of a restive oceanic upper mantle: reply to a Comment by Tarits, Chave and Schultz. Geophysical Journal International, v.114, 1993. pp.717-723

CORNUELLE, B. (with Michele Y. Morris and Dean Roemmich). An objective mapping method for estimating geostrophic velocity from hydrographic sections including the equator. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,109-18,118.

CORNUELLE, B. (with Peter F. Worcester, John A. Hildebrand, W. S. Hodgkiss, T. F. Duda, Janice Boyd, Bruce M. Howe, J. A. Mercer, and Robert C. Spindel). Ocean acoustic tomography at 1000-km range using wavefronts measured with a large- aperture vertical array. Journal of Geophysical Research, v.98, no.C9, 1993. pp.16,365- 16,377.

CYNAR, FRANK J. (with A. A. Yayanos). The oceanic distribution of methane and its flux to the atmosphere over southern California waters. In: Biogeochemistry of Global Change, Radiatively Active Trace Gases, Selected Papers from the Tenth International Symposium on Environmental Biogeochemistry, San Francisco, August 19-24, 1991, edited by Ronald S. Oremland. New York, Chapman & Hall, 1993. pp.551-573.

DAVIES-COLEMAN, MICHAEL T. (with D. John Faulkner, Gene M. Dubowchik, Gregory P. Roth, Craig Polson, and Craig Fairchild). A new EGF-active polymeric pyridinium alkaloid from the sponge Callyspongia fibrosa. Journal of Organic Chemistry, v.58, 1993. pp.5925-5930.

DEANE, GRANT B. (with Michael J. Buckingham). An analysis of the three- dimensional sound field in a penetrable wedge with a stratified fluid or elastic basement. Journal of the Acoustical Society of America, v.93, no.3, 1993. pp.1319-1328.

DEGROOT-HEDLIN, C. (with Steven C. Constable). Occam's inversion and the North American central plains electrical anomaly. Journal of Geomagnetism and Geoelectricity, v.45, 1993. pp.985-999.

DE MOUSTIER, CHRISTIAN (with Haruyoshi Matsumoto). Seafloor acoustic remote sensing with multibeam echo-sounders and bathymetric sidescan sonar systems. Marine Geophysical Researches, v.15, 1993. pp.27-42.

DE MOUSTIER, CHRISTIAN Signal processing for swath bathymetry and concurrent seafloor acoustic imaging. In: Acoustic Signal Processing for Ocean Exploration. NATO ASI Series C: Mathematical and Physical Sciences, v.388, edited by Jose M. F. Moura and Isabel M. G. Lourtie. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.329-354.

DETRICK, R. S. (with Alistair Harding, G. M. Kent, John A. Orcutt, J. C. Mutter, and P. Buhl). Seismic structure of the southern East Pacific Rise. Science, v.259, 1993. pp.499-503.

DICKSON, ANDEREW G. The analytical chemistry of the oceanic carbon dioxide system. In: International Symposium on Global Change (IGBP), Proceedings, 27-29 March 1992, Waseda University, Shinjuku, Tokyo, Japan. Saitama, Japan, School of Human Sciences, Waseda University, 1993. pp.183-192.

DICKSON, ANDEREW G. CO2 panel proposes comparison of methods for determining pCO2 in seawater. U.S. JGOFS Newsletter, 1992. p.6

DICKSON, ANDEREW G. The measurement of sea water pH. Marine Chemistry, v.44, 1993. pp.131-142.

DICKSON, ANDEREW G. pH buffers for sea water media based on the total hydrogen ion concentration scale. Deep-Sea Research I, v.40, no.1, 1993. pp.107-118

DORMAN, L. M. (with A. E. Schreiner, L. Dale Bibee, and John A. Hildebrand). Deep-water sea-floor array observations of seismo-acoustic noise in the eastern Pacific and comparisons with wind and swell. In: Natural Physical Sources of Underwater Sound, Sea Surface Sound (2), edited by B. R. Kerman. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.165-174.

DUBA, AL (with Steven C. Constable). The electrical conductivity of lherzolite. Journal of Geophysical Research, v.98, no.B7, 1993. pp.11,885-11,899.

DUSHAW, BRIAN D. (with Peter F. Worcester, B. Cornuelle, and Bruce M. Howe). On equations for the speed of sound in seawater. Journal of the Acoustical Society of America, v.93, no.1, 1993. pp.255-275.

DUSHAW, BRIAN D. (with David B. Chester and Peter F. Worcester). A review of ocean current and vorticity measurements using long-range reciprocal acoustic transmissions. In: Oceans '93, Engineering in Harmony with the Ocean, Proceedings, Volume 1, October 18-21, 1993, Victoria Conference Centre, Victoria, British Columbia Canada. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1993. pp.I-298-I-305.

DUSHAW, BRIAN D. (with Peter F. Worcester, B. Cornuelle, and Bruce M. Howe). Variability of heat content in the central North Pacific in summer 1987 determined from long-range acoustic transmissions. Journal of Physical Oceanography, v.23, 1993. pp.2650-2666.

DZIECIUCH, MATTHEW Numerical solution of the acoustic wave equation using Chebyshev polynomials with application to global acoustics. In: Oceans '93, Engineering in Harmony with the Ocean, Proceedings, Volume 1, October 18-21, 1993, Victoria Conference Centre, Victoria, British Columbia Canada. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1993. pp.I-267-I-271.

EDMOND, JOHN M. (with R. F. Stallard, Harmon Craig, V. Craig, Ray F. Weiss, and G. W. Coulter). Nutrient chemistry of the water column of Lake Tanganyika. Limnology and Oceanography, v.38, no.4, 1993. pp.725-738.

ELGAR, STEVE (with Robert T. Guza and M. H. Freilich). Dispersion, nonlinearity, and viscosity in shallow-water waves. Journal of Waterway, Port, Coastal, and Ocean Engineering. v.119, no.4, 1993. pp.351-366.

ELGAR, STEVE (with Robert T. Guza and M. H. Freilich). Observations of nonlinear interactions in directionally spread shoaling surface gravity waves. Journal of Geophysical Researach, v.98, no.C11, 1993. pp.20,299-20,305.

FAULKNER, D. JOHN Academic chemistry and the discovery of bioactive marine natural products. In: Marine Biotechnology, Volume 1, Pharmaceutical and Bioactive Natural Products, edited by David H. Attaway and Oskar R. Zaborsky. New York, Plenum Press, 1993. pp.459-474.

FAULKNER, D. JOHN (with Hai-Yin He, Mia D. Unson, Carole A. Bewley, and Mary J. Garson). New metabolites from marine sponges: are symbionts important? Gazzetta Chimica Italiana, v.123, 1993. pp.301-307.

FEIGL, KURT L. (with D. Agnew, Yehuda Bock, Danan Dong, Andrea Donnellan, Bradford H. Hager, Thomas A. Herring, D. D. Jackson, Thomas H. Jordan, Robert W. King, Shawn Larsen, Kristine M. Larson, Mark H. Murray, Zhengkang Shen, and Frank H. Webb). Space geodetic measurement of crustal deformation in central and southern California, 1984-1992. Journal of Geophysical Research, v.98, no.B12, 1993. pp.21,677-21,712.

FIELDS, P. A. (with Jeffrey B. Graham, Richard H. Rosenblatt, and George N. Somero). Effects of expected global climate change on marine faunas. Trends in Ecology and Evolution, v.8, no.10, 1993. pp.361-367.

FIELDS, R. DOUGLAS (with Theodore Holmes Bullock and G. David Lange). Ampullary sense organs, peripheral, central and behavioral electroreception in chimeras (Hydrolagus, Holocephali, Chondrichthyes). Brain, Behavior and Evolution, v.41, 1993. pp.269-289

FLATAU, PIOTR J. (with Kirk A. Fuller and Daniel W. Mackowski). Scattering by two spheres in contact: comparisons between discrete-dipole approximation and modal analysis. Applied Optics, v.32, no.18, 1993. pp.3302-3305.

FLICK, REINHARD E. The myth and reality of southern California beaches. Shore and Beach, v.61, no.3, 1993. pp.3-13.

FRITZSCH, B. (with R. Glenn Northcutt). Cranial and spinal nerve organization in amphioxus and lampreys: evidence for an ancestral craniate pattern. Acta Anatomica, v.148, 1993. pp.96-109

FRITZSCH, B. (with R. Glenn Northcutt). Origin and migration of trochlear, oculomotor and abducent motor neurons in Petromyzon marinus L. Developmental Brain Research, v.74, 1993. pp.122-126.

GIESE, BENJAMIN S. (with Daniel R. Cayan). Surface heat flux parameterizations and tropical Pacific sea surface temperature simulations. Journal of Geophysical Research, v.98, no.C4, 1993. pp.6979-6989.

GIVEN, HOLLY K. (with Jean-Francois Fels). Site characteristics and ambient ground noise at IRIS/IDA stations AAK (Ala-Archa, Kyrgyzstan). and TLY (Talaya, Russia). Bulletin of the Seismological Society of America, v.83, no.3, 1993. pp.945-953.

GLEGG, STEWART A. L. (with Grant B. Deane and Ian G. House). Comparison between theory and model scale measurements of three-dimensional sound propagation in a shear supporting penetrable wedge. Journal of the Acoustical Society of America, v.94, no.4, 1993. pp.2334-2342.

GOLDBERG, EDWARD D. Coastal zone space: sites for conflict. In: UN University Lectures 3, Coastal Zone Space: Sites for Conflict, A Presentation Made at the United Nations University on 22 January 1993, Tokyo Japan. Tokyo, Japan, The United Nations University, 1993. 12p..

GOLDBERG, EDWARD D. Competitors for coastal ocean space. Oceanus, v.36, no.1, 1993. pp.12-18.

HANSELL, DENNIS A. (with P. M. Williams and B. B. Ward). Measurements of DOC and DON in the Southern California Bight using oxidation by high temperature combustion. Deep-Sea Research I, v.40, no.2, 1993. pp.219-234

HARDING, ALISTAIR (with G. M. Kent and John A. Orcutt). A multichannel seismic investigation of upper crustal structure at 9 N on the East Pacific Rise: implications for crustal accretion. Journal of Geophysical Research, v.98, no.B8, 1993. pp.13,925-13,944.

HARTL, PAUL (with Lisa Tauxe and Catherine G. Constable). Early Oligocene geomagnetic field behavior from Deep Sea Drilling Project site 522. Journal of Geophysical Research, v.98, no.B11, 1993. pp.19,649-19,665.

HASTINGS, HAROLD M. (with George Sugihara). Introduction. In: Fractals, A User's Guide for the Natural Sciences. Oxford, Oxford University Press, 1993. pp.1-6.

HAURY, L. R. (with Elizabeth L. Venrick, Connie L. Fey, John A. McGowan, and Pearn P. Niiler). The Ensenada Front: July 1985. California Cooperative Oceanic Fisheries Investigations Reports, v.34, 1993. pp.69-88.

HAYGOOD, MARGO G. (with Pamela D. Holt and Alison Butler). Aerobactin production by a planktonic marine Vibrio sp. Limnology and Oceanography v.38, no.5, 1993. pp.1091-1097.

HAYGOOD, MARGO G. (with Daniel L. Distel). Bioluminescent symbionts of flashlight fishes and deep-sea anglerfishes form unique lineages related to the genus Vibrio. Nature, v.363, 1993. pp.154-156.

HAYGOOD, MARGO G. Light organ symbioses in fishes. Critical Reviews in Microbiology, v.19, no.4, 1993. pp.191-216.

HAYGOOD, MARGO G. Spreadsheet macros for coloring sequence alignments. BioTechniques, v.15., no.6, 1993. pp.1084-1089.

HERBERS, T. H. C. (with Steve Elgar, Robert T. Guza, and W. C. O'Reilly). Infragravity-frequency (0.005-0.05 HZ). motions on the shelf. In: Coastal Engineering 1992, Proceedings of the Twenty-Third International Conference, Volume 1, October 4-9, 1992, Venice, Italy, edited by Billy L. Edge. New York, American Society of Civil Engineers, 1992. pp.846-859.

HERRING, PETER J. (with Michael I. Latz, N. J. Bannister, and E. A. Widder). Bioluminescence of the poecilostomatoid copepod Oncaea conifera. Marine Ecology Progress Series, v.94, 1993. pp.297-309.

HERZFELD, UTE CHRISTINA (with Issac I. Kim, John A. Orcutt, and Christopher G. Fox). Fractal geometry and seafloor topography: theoretical concepts versus data analysis for the Juan de Fuca Ridge and the East Pacific Rise. Annales Geophysicae, v.11, 1993. pp.532-541.

HILDEBRAND, MARK (with Patricia Hasegawa, Robin W. Ord, V. Samantha Thorpe, Charles A. Glass, and Benjamin E. Volcani). Nucleotide sequence of diatom plasmids: identification of open reading frames with similarity to site- specific recombinases. Plant Molecular Biology, v.19, 1992. pp.759-770.

HILDEBRAND, MARK (with Donna K. Corey, James Richard Ludwig, Allen Kukel, Teng- Yung Feng, and Benjamin E. Volcani). Plasmids in diatom species. Journal of Bacteriology, v.173, no.18, 1991. pp.5924-5927.

HILDEBRAND, MARK (with David R. Higgins, Katherine Busser, and Benjamin E. Volcani). Silicon-responsive cDNA clones isolated from the marine diatom Cylindrotheca fusiformis. Gene, v.132, 1993. pp.213-218.

HODGKISS, W. S. Downslope conversion. In: Acoustic Signal Processing for Ocean Exploration. NATO ASI Series. Series C: Mathematical and Physical Sciences, v.88, edited by Jose M. F. Moura and Isabel M. G. Lourtie. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.145-150.

HYDE, DAVID W. ATOC network definition. In: Oceans '93, Engineering in Harmony with the Ocean, Proceedings, Volume 1, October 18-21, 1993, Victoria Conference Centre, Victoria, British Columbia Canada. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1993. pp.I-249-I-252.

INMAN, DOUGLAS L. (with M. Hany S. Elwany, A. A. Khafagy, and Abraham Golik). Nile delta profiles and migrating sand blankets. In: Coastal Engineering 1992, Proceedings of the Twenty-Third International

Conference, Volume 1, October 4-9, 1992, Venice, Italy, edited by Billy L. Edge. New York, American Society of Civil Engineers, 1992. pp.3273-3284.

INMAN, DOUGLAS L. (with M. Hany S. Elwany and Scott A. Jenkins). Shorerise and bar- berm profiles on ocean beaches. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,181-18,199.

ISAACS, CAROLINE M. (with John A. Barron and David Bukry). Supplementary data on diatoms and calcareous nannofossils and preliminary revised ages for rock samples (KG-1 to KG-24) in the Cooperative Monterey Organic Geochemistry Study, Santa Maria and Santa Barbara-Ventura basins, California. In: United States Department of Interior, Geological Survey, Open-File Report 93-182. Menlo Park, CA., U.S. Geological Survey, 1993. 13p.

JACOBS, DAVID C. (with Charles S. Cox and Xin Zhang). Observations of the near-field double frequency pressure spectrum in the upper ocean using the Cartesian Diver profiling instrument. In: Natural Physical Sources of Underwater Sound, Sea Surface Sound (2), edited by B. R. Kerman. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.175-188.

JACOBS, JERRY D. (with James Richard Ludwig, Mark Hildebrand, Allen Kukel, Teng- Yung Feng, Robin W. Ord, and Benjamin E. Volcani). Characterization of two circular plasmids from the marine diatom Cylindrotheca fusiformis: plasmids hybridize to chloroplast and nuclear DNA. Molecular and General Genetics, v.233, 1992. pp.302-310.

JAHNE, BERND, (with Jochen Klinke, Peter Geialer, and Frank Hering). Image sequence analysis of ocean wind waves. In: Imaging in Transport Processes, edited by Samuel Sideman and Kunio Hijikata. New York, Begell House, 1993. pp.257-268.

JAHNE, BERND, Imaging of gas transfer across gas/liquid interfaces. In: Imaging in Transport Processes, edited by Samuel Sideman and Kunio Hijikata. New York, Begell House, 1993. pp.247-256.

JAMES, D. MARTIN (with Edward Wintner, D. John Faulkner, and Jay S. Siegel). Metal binding by the trisoxazole portion of the marine natural product dihydrohalichondramide. Heterocycles, v.35, no.2, 1993. pp.675-678.

KENT, G. M. (with Alistair Harding and John A. Orcutt). Distribution of magma beneath the East Pacific Rise between the Clipperton transform and the 9 17 N Deval from forward modeling of common depth point data. Journal of Geophysical Research, v.98, no.B8, 1993. pp.13,945-13,969.

KONG, FANHUA (with D. John Faulkner). Leucettamols A and B, two antimicrobial lipids from the calcareous sponge Leucetta microraphis. Journal of Organic Chemistry, v.58, 1993. pp.970-971.

KOOYMAN, GERALD L. Breeding habitats of emperor penguins in the Western Ross Sea. Antarctic Science, v.5, no.2, 1993. pp.143-148

KRUG, LIESELOTTE (with Helmut Wicht and R. Glenn Northcutt). Afferent and efferent connections of the thalamic eminence in the axolotl, Ambystoma mexicanum. Neuroscience Letters, v.149, 1993. pp.145-148.

LANGE, C. B. (with Wolfgang H. Berger). Diatom productivity and preservation in the western equatorial Pacific: the Quaternary record. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.509-523.

LARGIER, JOHN L. Estuarine fronts: how important are they? Estuaries, v.16, no.1, 1993. pp.1-11.

LARGIER, JOHN L. (with Bruce A. Magnell and Clinton D. Winant). Subtidal circulation over the northern California shelf. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,147-18,179.

LARGIER, JOHN L. (with P. Chapman, W. T. Peterson, and V. P. Swart). The western Agulhas Bank: circulation, stratification and ecology. South African Journal of Marine Science, v.12, 1992. pp.319-339.

LAWRENCE, SHARON G. (with Azeem Ahmad and Farooq Azam). Fate of particle-bound bacteria ingested by Calanus pacificus. Marine Ecology Progress Series, v.97, 1993. pp.299-307.

LEE, T. (with E. Barg, D. Lal, and Farooq Azam). Bacterial scavenging of 234Th in surface ocean waters. Marine Ecology Progress Series, v.96, 1993. pp.109-116.

LEE, YOUN-HO (with Victor D. Vacquier). A method for obtaining high-quality sequences from the non-biotinylated, free ssDNA remaining after solid-phase sequencing. BioTechniques, v.14, no.2, 1993. pp.191-192.

LEVIN, LISA A. (with Douglas Huggett, Philip Myers, Todd Bridges, and Jack Weaver). Rare-earth tagging methods for the study of larval dispersal by marine invertebrates. Journal of Limnology and Oceanography, v.38, no.2, 1993. pp.346-360.

LEVITUS, SYDNEY (with Margarita E. Conkright, Joseph L. Reid, Raymond G. Najjar, and Arnold W. Mantyla). Distribution of nitrate, phosphate and silicate in the world oceans. Progress in Oceanography, v.31, 1993. pp.245-273

LI, CHIA-WEI (with Manlin Lee and Benjamin E. Volcani). Vase-shaped mitochondria of the centric diatom, Stephanopyxis turris. Diatom Research, v.5, no.1, 1990. pp.51-54.

LIN, YONGCHENG (with Carole A. Bewley and D. John Faulkner). The valdivones, anti-inflammatory diterpene esters from the South African soft coral Alcyonium valdivae. Tetrahedron, v.49, no.36, 1993. pp.7977-7984.

LIU, ZHENHUA (with Steve Elgar and Robert T. Guza). Groups of ocean waves: linear theory, approximations to linear theory, and observations. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.119, no.2, 1993. pp.144-159.

LLUCH-BELDA, DANIEL (with Richard A. Schwartzlose, R. Serra, R. Parrish, T. Kawasaki, D. Hedgecock, and R. J. M. Crawford). Sardine and anchovy regime fluctuations of abundance in four regions of the world oceans: a workshop report. Fisheries Oceanography, v.1, no.4, 1992. pp.339-347.

LOPEZ, M. D. G. (with Mark E. Huntley and J. T. Lovette). Calanoides acutus in Gerlache Strait, Antarctica. I. Distribution of late copepodite stages and reproduction during spring. Marine Ecology Progress Series, v.100, 1993. pp.153-165.

LYNCH, J. (with Hui Xia Wu, R. Pawlowicz, Peter F. Worcester, R. E. Keenan, H. C. Graber, O. M. Johannessen, P. Wadhams, and R. A. Shuchman). Ambient noise measurements in the 200-300-Hz band from the Greenland Sea tomography experiment. Journal of the Acoustical Society of America, v.94, no.2, pt.1, 1993. pp.1015-1033.

LYNCH, J. (with Hui Xia Wu, P. Wadhams, and Peter F. Worcester). Ice edge noise observations from the 1988-89 Greenland Sea tomography experiment. In: European Conference on Underwater Acoustics, edited by M. Weydert, Commission of the European Communities, Brussels, Belgium. London, Elsevier Applied Science, 1992. pp.611-619.

MALVAGI, F. (with R. N. Byrne, G. C. Pomraning, and R. C. J. Somerville). Stochastic radiative transfer in a partially cloudy atmosphere. Journal of the Atmospheric Sciences, v.50, no.14, 1993. pp.2146-2158.

MANDERNACK, KEVIN W. (with Bradley M. Tebo). Manganese scavenging and oxidation at hydrothermal vents and in vent plumes. Geochimica et Cosmochimica Acta, v.57, 1993. pp.3907-3923.

MARTINEZ, JOSEFINA (with Farooq Azam). Aminopeptidase activity in marine chroococcoid cyanobacteria. Applied and Environmental Microbiology, v.59, no.11, 1993. pp.3701-3707.

MARTINEZ, JOSEFINA (with Farooq Azam). Periplasmic aminopeptidase and alkaline phosphatase activities in a marine bacterium: implications for substrate processing in the sea. Marine Ecology Progress Series, v.92, 1993. pp.89-97.

MELVILLE, W. K. (with M. R. Loewen and Eric Lamarre). Bubbles, noise and breaking waves: a review of laboratory experiments. In: Natural Physical Sources of Underwater Sound, Sea Surface Sound (2), edited by B. R. Kerman. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.483-501.

MENDOZA, LISA M. (with David Nishioka and Victor D. Vacquier). A GPI-anchored sea urchin sperm membrane protein containing EGF domains is related to human uromodulin. Journal of Cell Biology, v.121, no.6, 1993. pp.1291-1297

MILES, JOHN W. The electric bell revisited. SIAM Review, v.35, no.2, 1993. pp.289-293.

MILES, JOHN W. (with Qingping Zou). Gravity wave reflection at a discontinuity in bottom slope. Journal of Physical Oceanography, v.23, no.8, 1993. pp.1870- 1871.

MILES, JOHN W. On Faraday waves. Journal of Fluid Mechanics, v.248, 1993. pp.671-683.

MILES, JOHN W. (with Qingping Zou). Parametric excitation of a detuned spherical pendulum. Journal of Sound and Vibration, v.164, no.2, 1993. pp.237-250.

MILES, JOHN W. Surface-wave generation revisited. Journal of Fluid Mechanics, v.256, 1993. pp.427-441.

MILLER, ARTHUR J. (with Tim P. Barnett and Nicholas E. Graham). A comparison of some tropical ocean models: hindcast skill and El Nino evolution. Journal of Physical Oceanography, v.23, no.7, 1993. pp.1567-1591.

MILLER, ARTHUR J. (with Douglas S. Luther and Myrl C. Hendershott). The fortnightly and monthly tides: resonant Rossby waves or nearly equilibrium gravity waves? Journal of Physical Oceanography, v.23, no.5, 1993. pp.879-897.

MULLIN, MICHAEL M. Reproduction by the oceanic copepod Rhincalanus nasutus off southern California, compared to that of Calanus pacificus. California Cooperative Oceanic Fisheries Investigations Reports, v.34, 1993. pp.89-103.

MUNK, WALTER H. The Ocean "Bible": reminiscences. Oceanography, v.5, no.3, 1992. pp.155-157.

MUNK, WALTER H. The sound of oceans warming. The Sciences, v.33, no.5, 1993. pp.20-26.

NEUER, S. (with P. J. S. Franks). Determination of ammonium uptake and regeneration rates using the seawater dilution method. Marine Biology, v.116, 1993. pp.497-505.

NIILER, PEARN P. (with Jean H. Filloux, W. Timothy Liu, R. M. Samelson, Jeffrey D. Paduan and Clayton A. Paulson). Wind-forced variability of the deep eastern north Pacific: observations of seafloor pressure and abyssal currents. Journal of Geophysical Research, v.98, no.C12, 1993. pp.22,589-22,602.

NISHIIZUMI, K. (with C. P. Kohl, J. R. Arnold, R. Dorn, J. Klein, D. Fink, R. Middleton, and D. Lal). Role of in situ cosmogenic nuclides 10Be and 26Al in the study of diverse geomorphic processes. Earth Surface Processes and Landforms, v.18, 1993. pp.407-425

NORTHCUTT, R. GLENN (with William E. Bemis). Cranial nerves of the coelacanth, Latimeria chalumnae [Osteichthyes: Sarcopterygii: Actinistia], and comparisons with other craniata. Brain, Behavior and Evolution, v.42, suppl. 1, 1993. 76p.

NORTHCUTT, R. GLENN (with Ann B. Butler). The diencephalon and optic tectum of the longnose gar, Lepisosteus osseus (L.): cytoarchitectonics and distribution of acetylcholinesterase. Brain, Behavior and Evolution, v.41, 1993. pp.57-81

NORTHCUTT, R. GLENN (with H. Bleckmann). Pit organs in axolotls: a second class of lateral line neuromasts. Journal of Comparative Physiology A, v.172, 1993. pp.439-446.

NORTHCUTT, R. GLENN A reassessment of Goodrich's model of cranial nerve phylogeny. Acta Anatomica, v.148, 1993. pp.71-80

OHMAN, MARK D. Predation on planktonic protists assessed by immunochemical assays. In: Handbook of Methods in Aquatic Microbial Ecology, edited by Paul F. Kemp, Barry F. Sherr, Evelyn B. Sherr, and Jonathan J. Cole. Boca Raton, FL., Lewis Publishers, 1993. pp.731-737.

OKIHIRO, MICHELE (with Robert T. Guza and Richard J. Seymour). Excitation of seiche observed in a small harbor. Journal of Geophysical Research, v.98, no.C10, 1993. pp.18,201-18,211.

ORCUTT, JOHN A. (with Charles S. Cox, Alick C. Kibblewhite, W. A. Kuperman, and Henrik Schmidt). Observations and causes of ocean and seafloor noise at ultra-low and very-low frequencies. In: Natural Physical Sources of Underwater Sound, Sea Surface Sound (2), edited by B. R. Kerman. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.203-232.

O'REILLY, W. C. (with Robert T. Guza). A comparison of two spectral wave models in the Southern California Bight. Coastal Engineering, v.19, 1993. pp.263-282.

PARES-SIERRA, ALEJANDRO (with Warren B. White and Chang-Kou Tai). Wind-driven coastal generation of annual mesoscale eddy activity in the California Current. Journal of Physical Oceanography, v.23, no.6, 1993. pp.1110-1121.

PATTERSON, GREGORY M. L. (with Kathleen K. Baker, Cynthia L. Baldwin, Christine M. Bolis, Faith R. Caplan, Linda K. Larsen, Ira A. Levine, Richard E. Moore, Carrie S. Nelson, Kathryn D. Tschappat, Grace D. Tuang, Michael R. Boyd, John H. Cardellina II, Ralph P. Collins, K. Gustafson, Kenneth M. Snader, Owen S. Weislow, and Ralph A. Lewin). Antiviral activity of cultured blue-green algae (Cyanophyta). Journal of Phycology, v.29, 1993. pp.125-130.

PINKEL, ROBERT (with Mark A. Merrifield and Jerome Smith). Recent development in Doppler sonar technology. In: Oceans '93, Engineering in Harmony with the Ocean, Proceedings, Volume 1, October 18-21, 1993, Victoria Conference Centre, Victoria, British Columbia Canada. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1993. pp.I-282-I-286.

PONGANIS, PAUL J. (with Gerald L. Kooyman and M. A. Castellini). Determinants of the aerobic dive limit of Weddell seals: analysis of diving metabolic rates, postdive end tidal Po2's, and blood and muscle oxygen stores. Physiological Zoology, v.66, no.5, 1993. pp.732-749

PONGANIS, PAUL J. (with Gerald L. Kooyman, M. A. Castellini, E. P. Ponganis, and K. V. Ponganis). Muscle temperature and swim velocity profiles during diving in a Weddell seal, Leptonychotes weddellii. Journal of Experimental Biology, v.183, 1993. pp. 341-346.

PRECHTL, JAMES C. (with Theodore Holmes Bullock). Plurality of visual mismatch potentials in a reptile. Journal of Cognitive Neuroscience, v.5, no.2, 1993. pp.177-187.

PREZLIN, BARBARA B. (with Raymond C. Smith). Polyethylene bags and solar ultraviolet radiation: Response. Science, v.259, 1993. pp.534-535.

RANDERSON, JAMES T. (with James J. Simpson). Recurrent patterns in surface thermal fronts associated with cold filaments along the west coast of North America. Remote Sensing of Environment, v.46, 1993. pp.146-163.

RENOUARD, DOMINIQUE P. (with Gunnar G. Tomasson and W. K. Melville). An experimental and numerical study of nonlinear internal waves. Physics of Fluids A, v.5, no.6, 1993. pp.1401-1411.

REVERDIN, GILLES (with Ray F. Weiss and W. J. Jenkins). Ventilation of the Atlantic Ocean equatorial thermocline. Journal of Geophysical Research, v.98, no.C9, 1993. pp.16,289-16,310.

ROULET, N. (with W. Reeburgh, M. Alperin, R. Desjardin, V. Galchenko, W. Glooschenko, R. Lassiter, K. Lassey, T. Moore, H. Schiff, B. H. Svensson, M. Wahlen, and G. Zarvarzin). High-latitude ecosystems: sources and sinks of trace gases. In: Trace Gas Exchange in a Global Perspective. Ecological Bulletins, v.42, edited by Dennis S. Ojima and Bo H. Sevensson. Copenhagen K., Denmark, Munksgaard International Booksellers and Publishers, 1992. pp.86-97.

SCHMIDT, H. (with Wolfgang H. Berger, T. Bickert, and G. Wefer). Quaternary carbon isotope record of pelagic foraminifers: Site 806, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.397-409.

SCHWARTZLOSE, RICHARD A. (with Dant, noc Alvarez-Millan and Peter Brueggeman). Golfo de California: Bibliografia de las Ciencias Marinas. Gulf of California: Bibliography of Marine Sciences. Ensenada, Baja California, Mexico, Universidad Autonoma de Baja California, 1992. 425p.

SHAW, A. (with D. E. McRee, Victor D. Vacquier, C. David Stout). The crystal structure of lysin, a fertilization protein. Science, v.262, 1993. pp.1864-1867.

SHUKOLYUKOV, A. (with G. W. Lugmair). Live iron-60 in the early solar system. Science, v.259, 1993. pp.1138-1142.

SHUKOLYUKOV, A. (with G. W. Lugmair). 60Fe in eucrites. Earth and Planetary Science Letters, v.119, 1993. pp.159-166.

SIMPSON, JAMES J. The coastal zone color scanner (CZCS). algorithm. A critical review of residual problems. In: Ocean Colour: Theory and Applications in a Decade of CZCS Experience, edited by Vittorio Barale and Peter M. Schlittenhardt. Dordrecht, Netherlands, Kluwer Academic Publishers, 1993. pp.117-166.

SMITH, JEROME Performance of a horizontally scanning Doppler sonar near shore. Journal of Atmospheric and Oceanic Technology, v.10, no.5, 1993. pp.752-763.

SMITH, RAYMOND C. Implications of increased solar UVB for aquatic ecosystems. In: The Role of the Stratosphere in Global Change. NATO ASI Series. Series I: Global Environmental Change, v.8, edited by Marie-Lise Chanin. Berlin, Springer-Verlag, 1993. pp.473-493.

SMITH, RAYMOND C. (with Karen S. Baker, Kelley K. Hwang, David Menzies, and Kirk J. Waters). Palmer LTER program: hydrography and optics within the peninsula grid, November 1991 cruise. Antarctic Journal of the United States, 1992 Review, v.27, no.5, 1992. pp.250-253.

SMITH, RAYMOND C. (with Karen S. Baker, Phil Handley, and Tim Newberger). Palmer LTER program: hydrography and optics within the peninsula grid, zodiac sampling grid during the 1991-1992 field season. Antarctic Journal of the United States, 1992 Review, v.27, no.5, 1992. pp.253-255.

SMITH, WALTER H. F. On the accuracy of digital bathymetric data. Journal of Geophysical Research, v.98, no.B6, 1993. pp.9591-9603.

SNAVELY, PARKE D., Jr. (with David Bukry and Ray E. Wells). Coccolith-bearing Late Middle Eocene kerogen shale, Tillamook Highlands, northwest Oregon Coast range. In: United States Department of the Interior, Geological Survey, Open- File Report 93-623. Menlo Park, CA., U.S. Geological Survey, 1993. 13p.

SOMERVILLE, RICHARD C. J. Change on Planet Earth, edited and designed by Phil Lauder. La Jolla, CA., Regents of the University of California, San Diego, 1993. 166p.

SPEED, R. C. (with P. L. Smith-Horowitz, Katharina V. S. Perch-Nielsen, John B. Saunders, and Annika B. Sanfilippo). Southern Lesser Antilles are platform: pre- late Miocene stratigraphy, structure, and tectonic evolution. Geological Society of America. Special Paper, v.277, 1993. 98p.

STAUFFER, B. (with M. Wahlen and F. Moraes). Atmospheric methane concentrations. In: Atmospheric Methane: Sources, Sinks, and Role in Global Change. NATO ASI Series. Series I: Global Environmental Change, v.13, edited by M. A. K. Khalil. Berlin, Springer-Verlag, 1993. pp.89-101.

SUTTON, P. J. (with Peter F. Worcester, T. G. Masters, B. Cornuelle, and J. Lynch). Ocean mixed layers and acoustic pulse propagation in the Greenland Sea. Journal of the Acoustical Society of America, v.94, no.3, pt.1, 1993. pp.1517- 1526.

TAKIZAWA, PETER A. (with Jennifer K. Yucel, Barbara Veit, D. John Faulkner, Thomas Deerinck, Gabriel Soto, Mark Ellisman, and Vivek Malhotra). Complete vesiculation of Golgi membranes and inhibition of protein transport by a novel sea sponge metabolite, ilimaquinone. Cell, v.73, 1993. pp.1079-1090.

TEBO, BRADLEY M. (with Yoon Lee). Microbial oxidation of cobalt. In: Biohydrometallurgical Technologies, Volume 1, Bioleaching Processes, Proceedings of an International Biohydrometallurgy Symposium, held in Jackson Hole, Wyoming, U.S.A., August 22-25, 1993, edited by A. E. Torma, J. E. Wey, and V. I. Lakshmanan. Warrendale, PA., The Minerals, Metals & Materials Society, 1993. pp.695-704.

TOLSTOY, MAYA (with Alistair Harding and John A. Orcutt). Crustal thickness on the Mid-Atlantic Ridge: bull's eye gravity anomalies and focused accretion. Science, v.262, 1993. pp.726-729.

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Ambiguity surface manifestation of downslope converted noise sources. In: Oceans '93, Engineering in Harmony with the Ocean, Proceedings, Volume 3, October 18-21, 1993, Victoria Conference Centre, Victoria, British Columbia Canada. Piscataway, N.J., Institute of Electrical and Electronics Engineers, 1993. pp.III-375-III-380.

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Array surveying using matched-field processing. Journal of the Acoustical Society of America, v.94, no.5, 1993. pp.2851-2858.

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Sound-speed profile inversion using a large aperture vertical line array. Journal of the Acoustical Society of America, v.93, no.2, 1993. pp.803-812.

TRAN, JEAN-MARIE Q. D. (with W. S. Hodgkiss). Spatial smoothing and minimum variance beamforming on data from large aperture vertical line arrays. IEEE Journal of Oceanic Engineering, v.18, no.1, 1993. pp.15-24.

UEYOSHI, K. (with John Owen Roads). Simulation and prediction of the Catalina Eddy. Monthly Weather Review, v.121, no.11, 1993. pp.2975-3000.

UNSON, MIA D. (with D. John Faulkner). Cyanobacterial symbiont biosynthesis of chlorinated metabolites from Dysidea herbacea (Porifera). Experientia, v.49, 1993. pp.349-353.

UNSON, MIA D. (with Charles B. Rose, D. John Faulkner, Linda S. Brinen, Jorge L. Rios Steiner, and Jon Clardy). New polychlorinated amino acid derivatives from the marine sponge Dysidea herbacea. Journal of Organic Chemistry, v.58, 1993. pp.6336-6343.

VAN WAASBERGEN, LORRAINE G. (with James A. Hoch and Bradley M. Tebo). Genetic analysis of the marine manganese-oxidizing Bacillus sp. strain SG-1: protoplast transformation, Tn917 mutagenesis, and identification of chromosomal loci involved in manganese oxidation. Journal of Bacteriology, v.175, no.23, 1993. pp.7594-7603.

VENRICK, ELIZABETH L. Phytoplankton seasonality in the central North Pacific: the endless summer reconsidered. Limnology and Oceanography, v.38, no.6, 1993. pp.1135-1149.

WAHLEN, M. The global methane cycle. Annual Review of Earth and Planetary Sciences, v.21, 1993. pp.407-426.

WASHBURN, LIBE (with Mark Swenson, John L. Largier, P. Michael Kosro, and S. Ramp). Cross-shelf sediment transport by an anticyclonic eddy off northern California. Science, v.261, 1993. pp.1560-1564.

WATERS, KIRK J. (with Raymond C. Smith). Palmer LTER: a sampling grid for the Palmer LTER program. Antarctic Journal of the United States, 1992 Review, v.27, no.5, 1992. pp.236-239.

WATSON, KENNETH (with John B. McBride). Excitation of capillary waves by longer waves. Journal of Fluid Mechanics, v.250, 1993. pp.103-119.

WEI, WUCHANG Calibration of upper Pliocene-lower Pleistocene nannofossil events with oxygen isotope stratigraphy. Paleoceanography, v.8, no.1, 1993. pp.85-99.

WEI, WUCHANG (with Li Liu and David Bukry). Reappraisal of three calcareous nannofossil species: Coccolithus crassus, Toweius magnicrassus, and Toweius callosus. Journal of Micropalaeontology, v.12, no.1, 1993. pp.91-98.

WELCH, T. J. (with Anne Farewell, Frederick C. Neidhardt, and Douglas Bartlett). Stress response of Escherichia coli to elevated hydrostatic pressure. Journal of Bacteriology, v.175, no.22, 1993. pp.7170-7177.

WELLS, MARK L. (with Edward D. Goldberg). Colloid aggregation in seawater. Marine Chemistry, v.41, 1993. pp.353-358.

WHITMAN, JILL M. (with Wolfgang H. Berger). Pliocene-Pleistocene carbon isotope record, Site 586, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W. Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.333-348.

WICHT, HELMUT (with R. Glenn Northcutt). Secondary olfactory projections and pallial topography in the Pacific hagfish, Eptatretus stouti. Journal of Comparative Neurology, v.337, 1993. pp.529-542

WIJESEKERA, HEMANTHA (with Laurie Padman, Tom Dillon, Murray D. Levine, Clayton A. Paulson, and Robert Pinkel). The application of internal-wave dissipation models to a region of strong mixing. Journal of Physical Oceanography, v.23, no.2, 1993. pp.269-286.

WIKNER, J. (with J. J. Vallino, Grieg F. Steward, David C. Smith, and Farooq Azam). Nucleic acids from the host bacterium as a major source of nucleotides for three marine bacteriophages. FEMS Microbiology Ecology, v.12, 1993. pp.237-248.

WILLIAMS, P. M. (with James E. Bauer, K. J. Robertson, D. M. Wolgast, and M. L. Occelli). Report on DOC and DON measurements made at Scripps Institution of Oceanography, 1988-1991. Marine Chemistry, v.41, 1993. pp.271-281.

WILLOUGHBY, DAVID F. (with John A. Orcutt and David Horwitt). A microprocessor- based ocean-bottom seismometer. Bulletin of the Seismological Society of America, v.83, no.1, 1993. pp.190-217.

WOLFE, CONNIE J. (with Margo G. Haygood). Bioluminescent symbionts of the Caribbean flashlight fish (Kryptophanaron alfredi). have a single rRNA operon. Molecular Marine Biology and Biotechnology v.2, no.4, 1993. pp.189-197

WORCESTER, PETER F. (with J. Lynch, W. M. L. Morawitz, R. Pawlowicz, P. J. Sutton, B. Cornuelle, O. M. Johannessen, Walter H. Munk, W. B. Owens, R. Shuchman, and Robert C. Spindel). Evolution of the large-scale temperature field in the Greenland Sea during 1988-89 from tomographic measurements. Geophysical Research Letters, v.20, no.20, 1993. pp.2211-2214.

YAMAZAKI, HIDEKATSU (with L. R. Haury). A new Lagrangian model to study animal aggregation. Ecological Modelling, v.69, 1993. pp.99-111.

YASUDA, M. K. (with Wolfgang H. Berger, Guoping Wu, Susan K. Burke, and H. Schmidt). Foraminifer preservation record for the last million years: Site 805, Ontong Java Plateau. In: Proceedings of the Ocean Drilling Program, Scientific Results, Ontong Java Plateau, v.130, edited by Wolfgang H. Berger, Loren W.

Kroenke, Larry A. Mayer, et. al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1993. pp.491-508.

ARRHENIUS, T. (with Gustaf Arrhenius and W. Paplawsky). Archean geochemistry of formaldehyde and cyanide and the oligomerization of cyanohydrin. Origins of Life and Evolution of the Biosphere, v.24, 1994. pp.1-17.

AZAM, FAROOQ (with David C. Smith, Grieg F. Steward, and A. Hagstrom). Bacteria- organic matter coupling and its significance for oceanic carbon cycling. Microbial Ecology, v.28, 1994. pp.167-179.

AZAM, FAROOQ (with Grieg F. Steward, David C. Smith, and Hugh W. Ducklow). Significance of bacteria in carbon fluxes in the Arabian Sea. Proceedings of the Indian Academy of Sciences, v.103, no.2, 1994. pp.341-351.

BABCOCK, JEFFREY M. (with Barry A. Kirkendall and John A. Orcutt). Relationships between ocean bottom noise and the environment. Bulletin of the Seismological Society of America, v.84, no.6, 1994. pp.1991-2007.

BARNETT, TIM P. (with L. Bengtsson, K. Arpe, M. Flugel, Nicholas E. Graham, M. Latif, J. Ritchie, E. Roeckner, U. Schlese, U. Schulzweida, and M. Tyree). Forecasting global ENSO-related climate anomalies. Tellus, v.46A, 1994. pp.381-397.

BARTLETT, DOUGLAS (with Ellen Chi). Genetic characterization of ompH mutants in the deep-sea bacterium Photobacterium sp. strain SS9. Archives of Microbiology, v.162, 1994. pp.323-328.

BARTLETT, DOUGLAS Microbial life at high pressures. Science Progress, v.76, 1992. pp.479-496.

BASSLER, BONNIE L. (with Miriam Wright and Michael Silverman). Multiple signalling systems controlling expression of luminescence in Vibrio harveyi: sequence and function of genes encoding a second sensory pathway. Molecular Microbiology, v.13, no.2, 1994. pp.273-286.

BERGER, WOLFGANG H. (with Eystein Jansen). Fourier stratigraphy: spectral gain adjustment of orbital ice mass models as an aid in dating late Neogene deep-sea sediments. Paleoceanography, v.9, no.5, 1994. pp.693-703.

BERGER, WOLFGANG H. (with Eystein Jansen). Mid-Pleistocene climate shift - the Nansen connection. In: The Polar Oceans and Their Role in Shaping the Global Environment, Geophysical Monograph 84, edited by O. M. Johannessen, R. D. Muench, and J. E. Overland. Washington, D.C., American Geophysical Union, 1994. pp.295-311.

BERGER, WOLFGANG H. (with R. Stax). Neogene carbonate stratigraphy of Ontong Java Plateau (western equatorial Pacific): three unexpected findings. Terra Nova, v.6, 1994. pp.520-534.

BERGER, WOLFGANG H. (with J. C. Herguera, C. B. Lange, and R. Schneider). Paleoproductivity: flux proxies versus nutrient proxies and other problems concerning the Quaternary productivity record. In: Carbon Cycling in the Glacial Ocean: Constraints on the Ocean's Role in Global Change, Quantitative

Approaches in Paleoceanography. NATO ASI Series. Series I: Global Environmental Change, v.17, edited by Rainer Zahn, Thomas F. Pedersen, Michael A. Kaminski, and Laurent Labeyrie. Berlin, Springer-Verlag, 1994. pp.385-412.

BERGER, WOLFGANG H. (with M. K. Yasuda, T. Bickert, G. Wefer, and T. Takayama). Quaternary time scale for the Ontong Java Plateau: Milankovitch template for Ocean Drilling Program Site 806. Geology, v.22, 1994. pp.463-467.

BEWLEY, CAROLE A. (with Cecile Debitus and D. John Faulkner). Microsclerodermins A and B. Antifungal cyclic peptides from the lithistid sponge Microscleroderma sp. Journal of the American Chemical Society, v.116, 1994. pp.7631-7636.

BIRDSALL, T. G. (with Janice Boyd, B. Cornuelle, Bruce M. Howe, Robert A. Knox, J. A. Mercer, K. Metzger, Robert C. Spindel, and Peter F. Worcester). Moving ship tomography in the North Atlantic. Eos, v.75, no.02, 1994. pp. 17, 21, 23.

BONNELL, B. S. (with Steven H. Keller, Victor D. Vacquier, and Douglas E. Chandler). The sea urchin egg jelly coat consists of globular glycoproteins bound to a fibrous fucan superstructure. Developmental Biology, v.162, 1994. pp.313-324.

BOOKMAN, CHARLES A. (with Richard J. Seymour and Wayne Young). Advancement and use of beach nourishment technology in the United States. Marine Technology Society Journal, v.28, no.3, 1994. pp.59-65.

BRIDGES, TODD (with Lisa A. Levin, Debra Cabrera, and Gayle Plaia). Effects of sediment amended with sewage, algae, or hydrocarbons on growth and reproduction in two opportunistic polychaetes. Journal of Experimental Marine Biology and Ecology, v.177, 1994. pp.99-119.

BUCKERIDGE, JOHN S. (with William A. Newman). Brian Arthur Foster, 10 July, 1942 - 26 June, 1992. Crustaceana, v.66, no.2, 1994. pp.247-252.

BUCKINGHAM, MICHAEL J. (with John Potter). Acoustic daylight imaging: vision in the ocean. GSA Today, v.4, no.4, 1994. pp.97, 100-102.

BUCKINGHAM, MICHAEL J. (with Grant B. Deane and Nicholas M. Carbone). Determination of elastic sea floor parameters from shallow-water ambient noise. In: 2nd European Conference on Underwater Acoustics, edited by L. Bjorno. Luxembourg, Belgium, European Commission, 1994. pp.19-25.

BUCKINGHAM, MICHAEL J. On surface-generated ambient noise in an upward refracting ocean. Philosophical Transactions of the Royal Society of London A, v.346, 1994. pp.321-352.

BUKRY, DAVID Coccolith correlation of Late Cretaceous Point Loma formation at La Jolla and Carlsbad, San Diego County, California. In: United States Department of the Interior, Geological Survey, Open-File Report 94-678, Menlo Park, CA., U.S. Geological Survey, 1994. 23p..

BULLOCK, THEODORE H. (with Sacit Karamursel, J. Z. Achimowicz, Michael C. McClune, and Canan Baḥar-Eroglu). Dynamic properties of human visual evoked and omitted stimulus potentials. Electroencephalography and Clinical Neurophysiology, v.91, 1994. pp.42-53.

CASTILLO, P. R. (with M. Pringle and R. W. Carlson). East Mariana Basin tholeites: Cretaceous intraplate basalts or rift basalts related to the Ontong Java plume? Earth and Planetary Science Letters, v.123, 1994. pp.139-154.

CERLING, THURE E. (with Harmon Craig). Cosmogenic 3He production rates from 39 N to 46 N latitude, western USA and France. Geochimica et Cosmochimica Acta, v.58, 1994. pp.249-255.

CERLING, THURE E. (with Harmon Craig). Geomorphology and in-situ cosmogenic isotopes. Annual Review of Earth and Planetary Science, v.22, 1994. pp.273-317.

CERVENKA, PIERRE (with Christian de Moustier and Peter Lonsdale). Geometric corrections on sidescan sonar images based on bathymetry. Application with SeaMARC II and Sea Beam data. Marine Geophysical Researches, v.16, 1994. pp.365-383.

CHEN, JEN-PING Predictions of saturation ratio for cloud microphysical models. Journal of the Atmospheric Sciences, v.51, no.10, 1994. pp.1332-1338.

CHEN, JEN-PING (with Dennis Lamb). The theoretical basis for the parameterization of ice crystal habits: growth by vapor deposition. Journal of the Atmospheric Sciences, v.51, no.9, 1994. pp.1206-1221.

CHEN, JEN-PING Theory of deliquescence and modified Kohler curves. Journal of the Atmospheric Sciences, v.51, no.23, 1994. pp.3505-3516.

CHEN, SHYH-CHIN (with Daniel R. Cayan). Low-frequency aspects of the large-scale circulation and West Coast United States temperature/precipitation fluctuations in a simplified general circulation model. Journal of Climate, v.7, no.11, 1994. pp.1668-1683.

CHERESKIN, T. K. (with Pearn P. Niiler). Circulation in the Ensenada Front- September 1988. Deep-Sea Research I, v.41, no.8, 1994. pp.1251-1287.

COLLINS, MICHAEL D. (with W. A. Kuperman). Overcoming ray chaos. Journal of the Acoustical Society of America, v.95, no.6, 1994. pp.3167-3170.

COLLINS, MICHAEL D. (with W. A. Kuperman and W. L. Siegmann). Recent progress in parabolic equation modeling. In: 2nd European Conference on Underwater Acoustics, edited by L. Bjorno. Luxembourg, Belgium, European Commission, 1994. pp.325-330.

COLLINS, WILLIAM (with W. C. Conant and V. Ramanathan). Earth radiation budget, clouds and climate sensitivity. In: The Chemistry of the Atmosphere: Its Impact on Global Change, edited by Jack G. Calvert. Oxford, Blackwell Scientific Publications, 1994. pp.207-215.

CONLEY, DANIEL C. (with Douglas L. Inman). Ventilated oscillatory boundary layers. Journal of Fluid Mechanics, v.273, 1994. pp.261-284.

CRAIG, HARMON (with Y. Horibe). 3He and methane in Sakurajima Caldera, Kagoshima Bay, Japan. Earth and Planetary Science Letters, v.123, 1994. pp.221-226.

CUNNOLD, D. M. (with P. J. Fraser, Ray F. Weiss, R. G. Prinn, P. G. Simmonds, B. R. Miller, F. N. Alyea, and A. J. Crawford). Global trends and annual releases of CCl3F and CCl2F2 estimated from ALE/GAGE and other measurements from July 1978 to June 1991. Journal of Geophysical Research, v.99, no.D1, 1994. pp.1107-1126.

DAVIS, RUSS E. Diapycnal mixing in the ocean: equations for large-scale budgets. Journal of Physical Oceanography, v.24, no.4, 1994. pp.777-800.

DAVIS, RUSS E. Lagrangian and Eulerian measurements of ocean transport processes. In: Ocean Processes in Climate Dynamics: Global and Mediterranean Examples. NATO ASI Series C: Mathematical and Physical Sciences, v.419, edited by Paola Malanotte-Rizzoli and Allan R. Robinson. Dordrecht, Netherlands, Kluwer Academic Publishers, 1994. pp.29-60.

DAYTON, PAUL K. Community landscape: scale and stability in hard bottom marine communities. In: Aquatic Ecology, Scale, Pattern and Process, the 34th Symposium of the British Ecological Society, University College, Cork, 1992, edited by Paul S. Giller, Alan G. Hildrew, and David G. Raffaelli. Oxford, Blackwell Scientific Publications, 1994. pp.289-332.

DAYTON, PAUL K. (with B. J. Mordida and F. Bacon). Polar marine communities. American Zoologist, v.34, 1994. pp.90-99.

DEANE, GRANT B. A three-dimensional analysis of sound propagation in facetted geometries. Journal of the Acoustical Society of America, v.96, no.5, 1994. pp.2897-2907.

DEWAR, HEIDI (with Jeffrey B. Graham). Studies of tropical tuna swimming performance in a large water tunnel. I. Energetics. Journal of Experimental Biology, v. 192, 1994. pp.13-31.

DEWAR, HEIDI (with Jeffrey B. Graham and Richard W. Brill). Studies of tropical tuna swimming performance in a large water tunnel. II. Thermoregulation. Journal of Experimental Biology, v.192, 1994. pp.33-44.

DEWAR, HEIDI (with Jeffrey B. Graham). Studies of tropical tuna swimming performance in a large water tunnel. III. Kinematics. Journal of Experimental Biology, v.192, 1994. pp.45-59.

DICKSON, ANDREW G. (with Catherine Goyet). In: Handbook of Methods for the Analysis of the Various Parameters of the Carbon Dioxide System in Sea Water; version 2. ORNL/CDIAC-74. Oak Ridge, TN., DOE, 1994. 155p..

DICKSON, ANDREW G. The plastic menagerie: CO2 teams compare seagoing systems. U.S. JGOFS News, v.5, no.4, 1994. p.5.

DRAINE, BRUCE T. (with Piotr J. Flatau). Discrete-dipole approximation for scattering calculations. Journal of the Optical Society of America A, v.11, no.4, 1994. pp.1491-1499.

DUSHAW, BRIAN D. (Peter F. Worcester and B. Cornuelle). Barotropic currents and vorticity in the central North Pacific Ocean during summer 1987 determined from long-range reciprocal acoustic transmissions. Journal of Geophysical Research, v.99, no.C2, 1994. pp.3263-3272.

DZIECIUCH, MATTHEW (with Walter H. Munk). Differential Doppler as a diagnostic. Journal of the Acoustical Society of America, v.96, no.4, 1994. pp.2414-2424.

EARLE, PAUL S. (with P. M. Shearer). Characterization of global seismograms using an automatic-picking algorithm. Bulletin of the Seismological Society of America, v.84, no.2, 1994. pp.366-376.

ELGAR, STEVE (with T. H. C. Herbers and Robert T. Guza). Reflection of ocean surface gravity waves from a natural beach. Journal of Physical Oceanography, v.24, no.7, 1994. pp.1503-1511.

EVANS, ROB L. (with M. C. Sinha, S. C. Constable, and M. J. Unsworth). On the electrical nature of the axial melt zone at 13 N on the East Pacific Rise. Journal of Geophysical Research, v.99, no.B1, 1994 pp.577-588.

EVANS, THEODORE P. (with Laurie Cornell, Russell W. Peterson, and D. John Faulkner). Isolation and synthesis of a glycine derivative of ilimaquinone from Fasciospongia sp. Natural Product Letters, v.4, 1994 pp.287-291.

FAHRBACH, E. (Ray G. Peterson, G. Rohardt, P. Schlosser, and R. Bayer). Suppression of bottom water formation in the southeastern Weddell Sea. Deep-Sea Research I, v.41, no.2, 1994. pp.389-411.

FARLEY, K. A. (with Harmon Craig). Atmospheric argon contamination of ocean island basalt olivine phenocrysts. Geochimica et Cosmochimica Acta, v.58, no.11, 1994. pp.2509-2517.

FORBES, A. M. G. (with Walter H. Munk). Doppler-inferred launch angles of global acoustic ray paths. Journal of the Acoustical Society of America, v.96, no.4, 1994. pp.2425-2427.

FORBES, A. M. G. The Tasman blockage-an acoustic sink for the Heard Island feasibility test? Journal of Acoustical Society of America, v.96, no.4, 1994, pp.2428-2431.

FRANKS, PETER J. S. (with J. Marra). A simple new formulation for phytoplankton photoresponse and an application in a wind-driven mixed-layer model. Marine Ecology Progress Series, v.111, 1994. pp.143-153.

GALLAUDET, TIMOTHY C. (with James J. Simpson). An empirical orthogonal function analysis of remotely sensed sea surface temperature variability and its relation to interior oceanic processes off Baja California. Remote Sensing of Environment, v.47, 1994. pp.375-389.

GEDULIN, B. (with Gustaf Arrhenius). Sources and geochemical evolution of RNA precursor molecules - the role of phosphate. In: Early Life on Earth, Nobel Symposium 84, edited by Stefan Bengtson. New York, Columbia University Press, 1994. pp.91-106.

GENIN, AMATZIA (with Charles Greene, L. R. Haury, Peter Howard Wiebe, Gideon Gal, Stein Kaartvedt, Eli Meir, Connie Fey, and Jim Dawson). Zooplankton patch dynamics: daily gap formation over abrupt topography. Deep-Sea Research I, v.41, no.5/6, 1994. pp.941-951.

GEORGE, RON (with Reinhard E. Flick and Robert T. Guza). Observations of turbulence in the surf zone. Journal of Geophysical Research, v.99, no.C1, 1994. pp.801-810.

GOLDSTEIN, R. M. (with F. Li, Jerome Smith, Robert Pinkel, and Tim P. Barnett). Remote sensing of ocean waves: the Surface Wave Process Program experiment. Journal of Geophysical Research, v.99, no.C4, 1994. pp.7945-7950.

GRAHAM, JEFFREY B. An evolutionary perspective for bimodal respiration: a biological synthesis of fish air breathing. American Zoologist, v.34, 1994. pp.229-237.

GURROLA, H. (with J. Bernard Minster and T. Owens). The use of velocity spectrum for stacking receiver functions and imaging upper mantle discontinuities. Geophysical Journal International, v.117, 1994. pp.427-440.

HAMMEL, H. T. How solutes alter water in aqueous solutions. Journal of Physical Chemistry, v.98, 1994. pp.4196-4204.

HAMMEL, H. T. (with E. Simon). Salt gland excretion enhanced during cross circulation of blood between two Pekin ducks: evidence for positive feedback. In: Integrative and Cellular Aspects of Autonomic Functions: Temperature and Osmoregulation, edited by Klaus Pleschka and Rudiger Gerstberger. Paris, John Libbey Eurotext, 1994. pp.497-508.

HARRIS, D. B. (Gerald L. D'Spain and A. Goldner). Regional observation of a nuclear test from a vertical hydrophone array. Bulletin of the Seismological Society of America, v.84, no.4, 1994. pp.1148-1153.

HARTSE, HANS E. (with Michael C. Fehler, Richard C. Aster, Jennifer S. Scott, and Frank Vernon). Small-scale stress heterogeneity in the Anza seismic gap, southern California. Journal of Geophysical Research, v.99, no.B4, 1994. pp.6801-6818.

HASTINGS, HAROLD M. (with George Sugihara). In: Fractals, A User's Guide for the Natural Sciences. Oxford, Oxford University Press, 1993. 235p..

HAURY, L. R. (with Connie L. Fey and Eric Shulenberger). Surface enrichment of inorganic nutrients in the North Pacific Ocean. Deep-Sea Research I, v.41, no.8, 1994. pp.1191-1205.

HAYGOOD, MARGO G. (with Deeanne B. Edwards, Gabrielle Mowlds, and Richard H. Rosenblatt). Bioluminescence of myctophid and stomiiform fishes is not due to bacterial luciferase. Journal of Experimental Zoology, v.270, 1994. pp.225-231.

HEDLIN, MICHAEL A. H. (with J.-Bernard Minster, Frank Vernon, and John A. Orcutt). Imaging prominent crustal scatterers and constraining source depth using the Pinon Flat broad-band 3-component array. In: Proceedings of the 16th Annual Seismic Research Symposium, 7-9 September 1994, Thornwood Conference Center, Thornwood, New York, edited by John J. Cipar, James F. Lewkowicz, and Jeanne M. McPhetres. Hanscom AFB, MA., Phillips Laboratory, 1994. pp.145-151.

HEDLIN, MICHAEL A. H. (with J.-Bernard Minster and John A. Orcutt). Resolution of prominent crustal scatterers near the NORESS small-aperture array. Geophysical Journal International, v.119, 1994. pp.101-115.

HELFFRICH, GEORGE (with Paul G. Silver and Holly K. Given). Shear-wave splitting variation over short spatial scales on continents. Geophysical Journal International, v.119, 1994. pp.561-573

HENDERSON, DIANE M. (with John W. Miles). Surface-wave damping in a circular cylinder with a fixed contact line. Journal of Fluid Mechanics, v.275, 1994. pp.285-299.

HERBERS, T. H. C. (with Robert T. Guza). Comment on "Velocity observations above a rippled bed using laser Doppler velocimetry" by Y. C. Agrawal and D. G. Aubrey. Journal of Geophysical Research, v.98, no.C11, 1993. pp.20,331-20,333.

HERBERS, T. H. C. (Steve Elgar and Robert T. Guza). Infragravity-frequency (0.005-0.05 Hz). motions on the shelf. Part I: forced waves. Journal of Physical Oceanography, v.24, no.5, 1994. pp.917-927.

HERBERS, T. H. C. (with Robert T. Guza). Nonlinear wave interactions and high-frequency seafloor pressure. Journal of Geophysical Research, v.99, No.C5, 1994. pp.10,035-10,048.

HERGUERA, J. C. (with Wolfgang H. Berger). Glacial to postglacial drop in productivity in the western equatorial Pacific: mixing rate vs. nutrient concentrations. Geology, v.22, 1994. pp.629-632.

HUNTLEY, MARK E. (with Mao Mei Zhou and M. D. G. Lopez). Calanoides acutus in Gerlache Strait, Antarctica II. Solving an inverse problem in population dynamics. Deep-Sea Research II, v.41, no.1, 1994. pp.209-227.

HUNTLEY, MARK E. (with Walter Nordhausen and M. D. G. Lopez). Elemental composition, metabolic activity and growth of Antarctic krill Euphausia superba during winter. Marine Ecology Progress Series, v.107, 1994. pp.23-40.

IACOBELLIS, SAM (with Robert Frouin, Herisoa Razafimpanilo, Richard C. J. Somerville, and S. C. Piper). North African savanna fires and atmospheric carbon dioxide. Journal of Geophysical Research, v.99, no.D4, 1994. pp.8321-8334.

INMAN, DOUGLAS L. (with Patricia M. Masters). Status of research on the nearshore. Shore and Beach, v.62, no.3, 1994. pp.11-20.

INMAN, DOUGLAS L. Types of coastal zones: similarities and differences. In: Environmental Sciences in the Coastal Zone: Issues for Further Research. Washington, D.C., National Research Council, 1994. pp.67-84.

JAHNE, BERND (with Jochen Klinke and Stefan Waas). Imaging of short ocean wind waves: a critical theoretical review. Journal of the Optical Society of America A, v.11, no.8, 1994. pp.2197-2209.

JENSEN, PAUL R. (with William Fenical). Strategies for the discovery of secondary metabolites from marine bacteria: ecological perspectives. Annual Review of Microbiology, v.48, 1994. pp.559-584.

JEONG, HAE JIN (with Michael I. Latz). Growth and grazing rates of the heterotrophic dinoflagellates Protoperidinium spp. on red tide dinoflagellates. Marine Ecology Progress Series, v.106, 1994. pp.173-185.

JIN, GUOLIANG (with J. Lynch, R. Pawlowicz, and Peter F. Worcester). Acoustic scattering losses in the Greenland Sea marginal ice zone during the 1988-89 tomography experiment. Journal of the Acoustical Society of America, v.96, no.5, pt.1, 1994. pp.3045-3053.

JOHNSON, HADLEY O. (with D. Agnew and Kenneth W. Hudnut). Extremal bounds on earthquake movement from geodetic data: application to the Landers Earthquake. Bulletin of the Seismological Society of America, v.84, no.3, 1994. pp.660-667.

JOHNSON, HADLEY O. (with Frank Wyatt). Geodetic network design for fault- mechanics studies. Manuscripta Geodaetica, v.19, 1994. pp.309-323.

JOHNSON, HADLEY O. (with D. Agnew and Frank Wyatt). Present-day crustal deformation in southern California. Journal of Geophysical Research, v.99, no.B12, 1994. pp.23,951-23,974.

JOHNSTON, M. J. S. (with A. T. Linde and D. Agnew). Continuous borehole strain in the San Andreas fault zone before, during, and after the 28 June 1992, Mw 7.3 Landers, California, Earthquake. Bulletin of the Seismological Society of America, v.84, no.3, 1994. pp.799-805.

JULL, A. J. T. (with D. Lal, D. J. Donahue, P. Mayewski, C. Lorius, D. Raynaud, and J. R. Petit). Measurements of cosmic-ray-produced 14C in firn and ice from antarctica. Nuclear Instruments and Methods in Physics Research B, v.92, 1994. pp.326-330.

KARAMURSEL, SACIT (with Theodore Holmes Bullock). Dynamics of event-related potentials to trains of light and dark flashes: responses to missing and extra stimuli in elasmobranch fish. Electroencephalography and Clinical Neurophysiology, v.90, 1994. pp.461-471.

KEELING, CHARLES D. Lecture 1: Global observations of atmospheric CO2. In: The Global Carbon Cycle. NATO ASI Series. Series I: Global Environmental Change, v.15, edited by M. Heimann. Berlin, Springer-Verlag, 1993. pp.1-29.

KEELING, CHARLES D. Lecture 2: Surface ocean CO2. In: The Global Carbon Cycle.NATO ASI Series, Series I: Global Environmental Change, v.15, edited by M. Heimann. Berlin, Springer- Verlag, 1993. pp.413-429.

- KELLER, STEVEN H. (with Victor D. Vacquier). The isolation of acrosome-reaction- inducing glycoproteins from sea urchin egg jelly. Developmental Biology, v.162, 1994. pp.304-312.
- KELLER, STEVEN H. (with Victor D. Vacquier). N-linked oligosaccharides of sea urchin egg jelly induce the sperm acrosome reaction. Development Growth & Differentiation, v.36, no.6, 1994. pp.551-556.
- KENDALL, J.-M. (with P. M. Shearer). Lateral variations in D" thickness from long-period shear wave data. Journal of Geophysical Research, v.99, no.B6, 1994. pp.11,575-11,590.
- KENT, G. M. (with Alistair Harding, John A. Orcutt, R. S. Detrick, J. C. Mutter, and P. Buhl). Uniform accretion of oceanic crust south of the Garrett transform at 14 15'S on the East Pacific Rise. Journal of Geophysical Research, v.99, no.B5, 1994. pp.9097-9116.
- KOOYMAN, GERALD L. (with Paul J. Ponganis). Emperor penguin oxygen consumption, heart rate and plasma lactate levels during graded swimming exercise. Journal of Experimental Biology, v.195, 1994. pp.199-209.
- LAL, D. Cosmogenic and nucleogenic isotopic changes in Mars: their rates and implications to the evolutionary history of Martian surface. Geochimica et Cosmochimica Acta, v.57, 1993. pp.4627-4637.
- LAL, D. (with A. J. T. Jull). Studies of cosmogenic in-situ 14CO and 14CO2 produced in terrestrial and extraterrestrial samples: experimental procedures and applications. Nuclear Instruments and Methods in Physics Research B, v.92, 1994. pp.291-296.
- LANGE, C. B. (with Ute F. Treppke and Gerhard Fischer). Seasonal diatom fluxes in the Guinea Basin and their relationships to trade winds, hydrography and upwelling events. Deep-Sea Research I, v.41, no.5/6, 1994. pp.859-863, 865-878.
- LANGE, C. B. (with Freda M. H. Reid and M. Vernet). Temporal distribution of the potentially toxic diatom Pseudonitzschia australis at a coastal site in southern California. Marine Ecology Progress Series, v.104, 1994. pp.309-312.
- LASKE, G. (with T. G. Masters and W. Zurn). Frequency-dependent polarization measurements of long-period surface waves and their implications for global phase-velocity maps. Physics of the Earth and Planetary Interiors, v.84, 1994. pp.111-137.
- LATIF, M. (with Tim P. Barnett). Causes of decadal climate variability over the North Pacific and North America. Science, v.266, 1994. pp.634-637.
- LATZ, MICHAEL I. (with James F. Case and Robert L. Gran). Excitation of bioluminescence by laminar fluid shear associated with simple Couette flow. Limnology and Oceanography, v.39, no.6, 1994. pp.1424-1439.
- LEE, YOON (with Bradley M. Tebo). Cobalt(II). oxidation by the marine manganese(II)-oxidizing Bacillus sp. strain SG-1. Applied and Environmental Microbiology, v.60, no.8, 1994. pp.2949-2957.

LEVIN, LISA A. (with Elana L. Leithold, Thomas F. Gross, Cynthia L. Huggett, and Claudio DiBacco). Contrasting effects of substrate mobility on infaunal assemblages inhabiting two high-energy settings on Fieberling Guyot. Journal of Marine Research, v.52, 1994. pp.489-522.

LEVIN, LISA A. (with Gayle Plaia and Cynthia L. Huggett). The influence of natural organic enhancement on life histories and community structure of bathyal polychaetes. In: Reproduction, Larval Biology, and Recruitment of the Deep-Sea Benthos, edited by Craig M. Young and Kevin J. Eckelbarger. New York, Columbia University Press, 1994. pp.261-283.

LEVIN, LISA A. Paleoecology and ecology of xenophyophores. Palaios, v.9, 1994. pp.32-41.

LEWIN, RALPH A. The cell sap of Prochloron (Prochlorophyta). Phycologia, v.33, no.2, 1994. pp.71-76.

LEWIN, RALPH A. Concepts of Symbiogenesis. A Historical and Critical Study of the Research of Russian Botanists, by L. N. Khakhina. (Book Review). Annals of Science, v.51, 1994. pp.567-569.

LEWIN, RALPH A. Dictionary of Microbial Genetics: (Esperanto, Chinese, English). Internacia Vortaro de Mikroba Genetiko. Beijing, China, Chinese Esperanto Press, 1994. 120p.

LEWIN, RALPH A. (with Lanna Cheng). Discovery, early history and phylogeny of Prochloron. Korean Journal of Phycology, v.8, no.2, 1993. pp.91-97.

LEWIN, RALPH A. Sol-to-gel changes in the protoplasm of prokaryotic algae. Algological Studies, v.74, 1994. pp.67-71.

LOSS, R. D. (with G. W. Lugmair, A. M. Davis, and G. J. MacPherson). Isotopically distinct reservoirs in the solar nebula: isotope anomalies in Vigarano meteorite inclusions. Astrophysical Journal, v.436, 1994. pp.L193-L196.

LUBIN, DAN Infrared radiative properties of the maritime Antarctic atmosphere. Journal of Climate, v.7, no.1, 1994. pp.121-140.

LUBIN, DAN (with A. Sabrina Simpson). The longwave emission signature of urban pollution: radiometric FTIR measurement. Geophysical Research Letters, v.21, no.1, 1994. pp.37-40.

LUBIN, DAN The role of the tropical super greenhouse effect in heating the ocean surface. Science, v.265, 1994. pp.224-227.

MAKRIS, NICHOLAS C. (Frank Ingenito and W. A. Kuperman). Detection of a submerged object insonified by surface noise in an ocean waveguide. Journal of the Acoustical Society of America, v.96, no.3, 1994. pp.1703-1724.

MANTYLA, ARNOLD W. The treatment of inconsistencies in Atlantic deep water salinity data. Deep-Sea Research I, v.41, no.9, 1994. pp.1387-1405.

MASLOWSKA, A. (with Piotr J. Flatau and G. L. Stephens). On the validity of the anomalous diffraction theory to light scattering by cubes. Optics Communications, v.107, 1994. pp.35-40.

MCCOSKER, JOHN E. (with Richard H. Rosenblatt). A revision of the snake eel genus Myrichthys (Anguilliformes: Ophichthidae). with the description of a new eastern Pacific species. Proceedings of the California Academy of Sciences, v.48, no.8, 1993. pp.153-169.

MCDONALD, MARK A. (with Spahr Webb, John A. Hildebrand, B. Cornuelle and, Christopher G. Fox). Seismic structure and anisotropy of the Juan de Fuca Ridge at 45 N. Journal of Geophysical Research, v.99, no.B3, 1994. pp.4857-4873.

MELVILLE, W. K. Energy dissipation by breaking waves. Journal of Physical Oceanography, v.24, no.10, 1994. pp.2041-2049.

MERCER, J. B. (with H. T. Hammel). The shivering response during cross-circulation in the common eider duck (Somateria mollissima). Acta Physiologica Scandinavica, v.148, 1993. pp.327-334.

MERRIFIELD, MARK A. (with Jason H. Middleton). The influence of strongly varying topography on coastal-trapped waves at the southern Great Barrier Reef. Journal of Geophysical Research, v.99, no.C5, 1994. pp.10,193-10,205.

MICHAEL, PETER J. (with Donald W. Forsyth, Donna K. Blackman, Paul J. Fox, Barry B. Hanan, Alistair Harding, Ken C. Macdonald, Gregory A. Neumann, John A. Orcutt, Maya Tolstoy, and Charles M. Weiland). Mantle control of a dynamically evolving spreading center: Mid-Atlantic Ridge 31b34øS. Earth and Planetary Science Letters, v.121, 1994. pp.451-468.

MILES, JOHN W. Analytical solutions for the Ekman layer. Boundary-Layer Meteorology, v.67, 1994. pp.1-10.

MILES, JOHN W. Faraday waves: rolls versus squares. Journal of Fluid Mechanics, v.269, 1994. pp.353-371.

MILES, JOHN W. On transversely isotropic eddy viscosity. Journal of Physical Oceanography, v.24, no.5, 1994. pp.1077-1079.

MILES, JOHN W. On viscoelastic eddy viscosity. Boundary-Layer Meteorology, v.70, 1994. pp.435-437.

MILLER, ARTHUR J. (with Daniel R. Cayan, Tim P. Barnett, Nicholas E. Graham and, Josef M. Oberhuber). Interdecadal variability of the Pacific Ocean: model response to observed heat flux and wind stress anomalies. Climate Dynamics, v.9, 1994. pp.287-302.

MILLER, ARTHUR J. (with Daniel R. Cayan, Tim P. Barnett, Nicholas E. Graham and, Josef M. Oberhuber). The 1976-77 climate shift of the Pacific Ocean. Oceanography, v.7, no.1, 1994. pp.21-26.

MULLIN, MICHAEL M. Distribution and reproduction of the planktonic copepod, Calanus pacificus, off southern California during winter-spring of 1992, relative to 1989-91. Fisheries Oceanography, v.3, no.2, 1994. pp.142-157.

MUNK, WALTER H. Acoustic remote sensing. In: The Polar Oceans and Their Role in Shaping the Global Environment, Geophysical Monograph 85, edited by O. M. Johannessen, R. D. Muench, and J. E. Overland. Washington, D.C., American Geophysical Union, 1994. pp.521-523.

MUNK, WALTER H. An example of "state of the art" technology: acoustic tomography of ocean climate. In: Megascience, the OECD Forum, Oceanography. Paris, OECD, 1994. pp.49-52.

MUNK, WALTER H. Heard Island and beyond. In: Physics News in 1993, edited by Phillip F. Schewe and Ben P. Stein. New York, American Institute of Physics, 1993 pp.1-2.

MUNK, WALTER H. (with Robert C. Spindel, Arthur Baggeroer, and T. G. Birdsall). The Heard Island feasibility test. Journal of the Acoustical Society of America, v.96, no.4, 1994. pp.2330-2342.

MUNK, WALTER H. (with Arthur Baggeroer). The Heard Island papers: a contribution to global acoustics. Journal of the Acoustical Society of America, v.96, no.4, 1994. pp.2327-2329.

NEWMAN, WILLIAM A. Darwin and cirripedology. In: History of Carcinology, Crustacean Issues 8, edited by Frank Truesdale. Rotterdam, A.A. Balkema, 1993. pp.349-434.

NEWMAN, WILLIAM A. Victor August Zullo (24 July 1936 - 16 July 1993). Journal of Crustacean Biology, v.14, no.2, 1994. pp.399-405.

NORTHCUTT, R. GLENN (with Kenneth C. Catania and Bruce B. Criley). Development of lateral line organs in the axolotl. Journal of Comparative Neurology, v.340, 1994. pp.480-514.

NORTHCUTT, R. GLENN (with Linda E. Muske). Multiple embryonic origins of gonadotropin-releasing hormone (GnRH). immunoreactive neurons. Developmental Brain Research, v.78, 1994. pp.279-290.

O'BRIEN, MICHAEL S. (with Robert L. Parker). Regularized geomagnetic field modelling using monopoles. Geophysical Journal International, v.118, 1994. pp.566-578.

OHMAN, MARK D. Predation on microzooplankton assessed by immunoassay. In: Biogeochemical Processes in the Arabian Sea, U.S.-C.I.S. Arabian Sea Workshop, Sevastopol, Crimea, Ukraine, September 20-25, 1993. Sevastopol, Ukraine, MHI UNAS, 1994. pp.300-303.

OHMAN, MARK D. (with Jeffrey A. Runge). Sustained fecundity when phytoplankton resources are in short supply: omnivory by Calanus finmarchicus in the Gulf of St. Lawrence. Limnology and Oceanography, v.39, no.1, 1994. pp.21-36.

PALENIK, BRIAN Cyanobacterial community structure as seen from RNA polymerase gene sequence analysis. Applied and Environmental Microbiology, v.60, no.9, 1994. pp.3212-3219.

PALOWITCH, ANDREW W. (with Jules S. Jaffe). Three-dimensional ocean chlorophyll distributions from underwater serial-sectioned fluorescence images. Applied Optics, v.33, no.14, 1994. pp.3023-3033.

PARK, TAISOO Geographic distribution of the bathypelagic genus paraeuchaeta (Copepoda, Calanoida). Hydrobiologia, v.292/293, 1994. pp.317- 332.

PAVLIS, GARY L. (with Frank Vernon). Calibration of seismometers using ground noise. Bulletin of the Seismological Society of America, v.84, no.4, 1994. pp.1243-1255.

PAVLIS, GARY L. (with Hanan Mahdi and Frank Vernon). Surface wave propagation in Central Asia: observations of scattering and multipathing with the Krygyz broadband array. In: Proceedings of the 16th Annual Seismic Research Symposium, 7-9 September 1994, Thornwood Conference Center, Thornwood, New York, edited by John J. Cipar, James F. Lewkowicz, and Jeanne M. McPhetres. Hanscom AFB, MA., Phillips Laboratory, 1994. pp.291-297.

PENROSE, JOHN D. (with M. Conde and T. J. Pauly). Acoustic detection of ice crystals in Antarctic waters. Journal of Geophysical Research, v.99, no.C6, 1994. pp.12,573-12,580.

PERKINS, PENNY SUE Ultrastructure of the holdfast of Phrixocephalus cincinnatus (Wilson), a blood-feeding parasitic copepod of flatfishes. Journal of Parasitology, v.80, no.5, 1994. pp.797-804.

PERKINS, PENNY SUE Ultrastructure of the midgut of Phrixocephalus cincinnatus (Wilson), a blood-feeding parasitic copepod of flatfishes. Journal of Parasitology, v.80, no.5, 1994. pp.805-815.

PHIPPS MORGAN, JASON (with Alistair Harding, John A. Orcutt, G. M. Kent, and Y. J. Chen). An observational and theoretical synthesis of magma chamber geometry and crustal genesis along a mid-ocean ridge spreading center. In: Magmatic Systems. International Geophysics Series, v.57, edited by Michael P. Ryan. San Diego, CA., Academic Press, 1994. pp.139-178.

PIKA, JANA (with D. John Faulkner). Four sesquiterpenes from the South African nudibranch Leminda millecra. Tetrahedron, v.50, no.10, 1994. pp.3065-3070.

POLLOCK, COLLEEN M. (with R. E. Shadwick). Allometry of muscle, tendon, and elastic energy storage capacity in mammals. American Journal of Physiology, v.266, 1994. pp.R1022-R1031.

POLLOCK, COLLEEN M. (with R. E. Shadwick). Relationship between body mass and biomechanical properties of limb tendons in adult mammals. American Journal of Physiology, v.266, 1994. pp.R1016-R1021.

POTTER, JOHN Acoustic imaging using ambient noise: some theory and simulation results. Journal of the Acoustical Society of America, v.95, no.1, 1994. pp.21-33.

PRECHTL, JAMES C. (with Theodore H. Bullock). Event-related potentials to omitted visual stimuli in a reptile. Electroencephalography and Clinical Neurophysiology, v.91, 1994. pp.54-66.

PRECHTL, JAMES C. Visual motion induces synchronous oscillations in turtle visual cortex. Proceedings of the National Academy of Sciences of the United States of America, v.91, 1994. pp.12,467-12,471.

QUINTERNO, PAULA (with John Barron, David Bukry, and Charles D. Blome). Late Cretaceous microfossils in a single dredge haul from the Tonga Trench: evidence of Late Cretaceous environment at the Louisville Hotspot. In: Geology and Submarine Resources of the Tonga-Lau-Fiji Region, SOPAC Technical Bulletin 8, edited by Andrew J. Stevenson, Richard H. Herzer, and Peter F. Ballance. Suva Fiji, SOPAC Secretariat, 1994. pp.285-291.

RAMANATHAN, V. (with William Collins and B. Subasilar). Comment on the paper "An inquiry into the cirrus-cloud thermostat effect for tropical sea surface temperature" by K. M. Lau, C. H. Sui, M. D. Chou and W. K. Tau. Geophysical Research Letters, v.21, no.12, 1994. pp.1185-1186.

RAO, C. BHEEMASANKARA (with D. Sreenivasa Rao, C. Satyanarayana, D. Venkata Rao, Katharina E. Kassuhlke, and D. John Faulkner). New cladiellane diterpenes from the soft coral Cladiella australis of the Andaman and Nicobar islands. Journal of Natural Products, v.57, no.5, 1994. pp.574-580.

REEDY, R. C. (with K. Nishiizumi, D. Lal, J. R. Arnold, P. A. J. Englert, J. Klein, R. Middleton, A. J. T. Jull, and D. J. Donahue). Simulations of terrestrial in-situ cosmogenic-nuclide production. Nuclear Instruments and Methods in Physics Research B, v.92, 1994. pp.297-300.

REID, JOSEPH L. On the total geostrophic circulation of the North Atlantic Ocean: flow patterns, tracers, and transports. Progress in Oceanography, v.33, 1994. pp.1-92.

REID, RICHARD T. (with David H. Live, D. John Faulkner, and Alison Butler). A siderophore from a marine bacterium with an exceptional ferric ion affinity constant. Nature, v.366, 1993. pp.455-458.

RICHARDSON, A. M. (with W. S. Hodgkiss). Bispectral analysis of underwater acoustic data. Journal of the Acoustical Society of America, v.96, no.2, pt.1, 1994. pp.828-837.

RIEDER, KARL F. (with Jerome Smith and Robert A. Weller). Observed directional characteristics of the wind, wind stress, and surface waves on the open ocean. Journal of Geophysical Research. v.99, no.C11, 1994. pp.22,589-22,596.

ROADS, JOHN OWEN (with Shyh-Chin Chen, Alexander K. Guetter, and Konstantine P. Georgakakos). Large-scale aspects of the United States hydrologic cycle. Bulletin of the American Meteorological Society, v.75, no.9, 1994. pp.1589- 1610.

SALMON, RICK Generalized two-layer models of ocean circulation. Journal of Marine Research, v.52, 1994. pp.865-908.

SCHMIDT, H. (with W. A. Kuperman). Spectral and modal representations of the Doppler-shifted field in ocean waveguides. Journal of the Acoustical Society of America, v.96, no.1, 1994. pp.386-395.

SCHOWALTER, D. G. (with C. W. Van Atta and J. C. Lasheras). Baroclinic generation of streamwise vorticity in a stratified shear layer. Meccanica, v.29, 1994. pp.361-371.

SCOTT, JENNIFER S. (with T. G. Masters and Frank Vernon). 3-D velocity structure of the San Jacinto fault zone near Anza, California-I. P waves. Geophysical Journal International, v.119, 1994. pp.611-626.

SHADWICK, R. E. (with John M. Gosline). Arterial mechanics in the fin whale suggest a unique hemodynamic design. American Journal of Physiology, v.267, 1994. pp.R805-R818.

SHADWICK, R. E. Mechanical organization of the mantle and circulatory system of cephalopods. Marine and [Freshwater] Behaviour and Physiology, v.25, 1994. pp.69-85.

SHAW, A. (with Youn-Ho Lee, C. David Stout, and Victor D. Vacquier). The species- specificity and structure of abalone sperm lysin. Developmental Biology, v.5, 1994. pp.209-215.

SHEARER, P. M. Constraints on inner core anisotropy from PKP (DF). travel times. Journal of Geophysical Research, v.99, no.B10, 1994. pp.19,647-19,659.

SHEARER, P. M. Global seismic event detection using a matched filter on long- period seismograms. Journal of Geophysical Research, v.99, no.B7, 1994. pp.13,713-13,725.

SHEARER, P. M. Imaging Earth's seismic response at long periods. Eos, v.75, no.39, 1994. pp.449,451,452.

SIMPSON, JAMES J. (with Jeffrey Bloom and Mark Botta). The CTD oceanographic rendering and analysis laboratory (CORAL). Journal of Atmospheric and Oceanic Technology, v.11, 1994. pp.1638-1655.

SIMPSON, JAMES J. (with Stephan R. Yhann). Reduction of noise in AVHRR channel 3 data with minimum distortion. IEEE Transactions on Geoscience and Remote Sensing, v.32, no.2, 1994. pp.315-328.

SIMPSON, JAMES J. (with Jason I. Gobat). Robust velocity estimates, stream functions, and simulated Lagrangian drifters from sequential spacecraft data. IEEE Transactions on Geoscience and Remote Sensing, v.32, no.3, 1994. pp.479-493.

SMITH, WALTER H. F. (with David T. Sandwell). Bathymetric prediction from dense satellite altimetry and sparse shipboard bathymetry. Journal of Geophysical Research, v.99, no.B11, 1994. pp.21,803-21,824.

SPEER, KEVIN G. (with A. M. G. Forbes). A deep western boundary current in the South Indian Basin. Deep-Sea Research I, v.41, no.9, 1994. pp.1289-1303.

STAM, WYTZE T. (with Ralph A. Lewin and Lanna Cheng). DNA conservation for taxonomic studies. Journal of Phycology, v.25, 1989. pp.615-616.

STEPIEN, CAROL A. (with John E. Randall and Richard H. Rosenblatt). Genetic and morphological divergence of a circumtropical complex of goatfishes:

STEPIEN, CAROL A. Mulloidichthys vanicolensis, M. dentatus, and M. martinicus. Pacific Science, v.48, no.1, 1994. pp.44-56.

STEVENSON, J. MARK (with John A. Hildebrand, Mark A. Zumberge, and Christopher G. Fox). An ocean bottom gravity study of the southern Juan de Fuca Ridge. Journal of Geophysical Research, v.99, no.B3, 1994. pp.4875-4888.

SUGIHARA, GEORGE Nonlinear forecasting for the classification of natural time series. Philosophical Transactions of the Royal Society of London A, v.348, 1994. pp.477-495.

SUTTON, P. J. (W. M. L. Morawitz, B. Cornuelle, T. G. Masters, and Peter F. Worcester). Incorporation of acoustic normal mode data into tomographic inversions in the Greenland Sea. Journal of Geophysical Research, v.99, no.C6, 1994. pp.12,487-12,502.

TALLEY, LYNNE D. (with Gregory C. Johnson). Deep, zonal subequatorial currents. Science, v.263, 1994. pp.1125-1128.

TEGNER, MIA J. Southern California abalones: can stocks be rebuilt using marine harvest refugia? Canadian Journal of Fisheries and Aquatic Sciences, v.50, 1993. pp.2010-2018.

TRIMURTULU, G. (with D. John Faulkner, Nigel B. Perry, Laurent Ettouati, Marc Litaudon, John W. Blunt, Murray H. G. Munro, and Geoffrey B. Jameson). Alkaloids from the Antarctic sponge Kirkpatrickia varialosa. Part 2: Variolin A and N(3')- methyl tetrahydrovariolin B. Tetrahedron, v.50, no.13, 1994. pp.3993-4000.

TRIMURTULU, G. (with D. John Faulkner). Six new diterpene isonitriles from the sponge Acanthella cavernosa. Journal of Natural Products, v.57, no.4, 1994. pp.501-506.

TSUCHIYA, MIZUKI (with Lynne D. Talley and Michael S. McCartney). Water-mass distributions in the western South Atlantic; a section from South Georgia Island (54S). northward across the equator. Journal of Marine Research, v.52, 1994. pp.55-81.

UNSON, MIA D. (with N. D. Holland and D. John Faulkner). A brominated secondary metabolite synthesized by the cyanobacterial symbiont of a marine sponge and accumulation of the crystalline metabolite in the sponge tissue. Marine Biology, v.119, 1994. pp.1-11.

VAN WAASBERGEN, ROBERT J. (with E. L. Winterer). Summit geomorphology of Western Pacific guyots. In: The Mesozoic Pacific: Geology, Tectonics, and Volcanism, Geophysical Monograph 77, edited by Malcolm S. Pringle, William W. Sager, William V. Sliter, and Seth Stein. Washington, D.C., American Geophysical Union, 1993. pp.335-366.

VENKATESWARLU, YENAMANDRA (with M. A. Farooq Biabani, M. Venkata Rami Reddy, T. Prabhakar Rao, A. C. Kunwar, and D. John Faulkner). Mandapamate, a diterpenoid from the soft coral Sinularia dissecta. Tetrahedron Letters, v.35, no.14, 1994. pp.2249-2252.

VERITY, PETER G. (with M. Vernet). Microzooplankton grazing, pigments, and composition of plankton communities during late spring in two Norwegian fjords. Sarsia, v.77, 1992. pp.263-274.

VERNET, M. (with Eric A. Brody, O. Holm-Hansen and B. G. Mitchell). The response of antarctic phytoplankton to ultraviolet radiation: absorption, photosynthesis, and taxonomic composition. In: Ultraviolet Radiation in Antarctica: Measurements and Biological Effects, Antarctic Research Series, v.62, edited by C. Susan Weiler and Polly A. Penhale. Washington, D.C., American Geophysical Union, 1994. pp.143-158.

VERNON, FRANK Jackknifed multiple-window spectra and coherence applied to seismic data. ICASSP-94, Volume 6, P, Plenary and Special Sessions. 1994 IEEE International Conference on Acoustics, Speech and Signal Processing, April 19-22, 1994, Adelaide Convention Centre, Adelaide, South Australia. New York, IEEE, 1994. pp.VI93-VI96.

WALISER, DUANE E. (with Richard C. J. Somerville). Preferred latitudes of the intertropical convergence zone. Journal of the Atmospheric Sciences, v.51, no.12, 1994. pp.1619-1639.

WARD, RITA D. (with Lisa M. Mendoza, Gary W. Moy, Victor D. Vacquier, and David Nishioka). A unique expression pattern for a sperm membrane protein during sea urchin spermatogenesis. Zygote, v.2, 1994. pp.159-165.

WASSMANN, PAUL (with Rosa Martinez and M. Vernet). Respiration and biochemical composition of sedimenting organic matter during summer in the Barents Sea. Continental Shelf Research, v.14, no.1, 1994. pp.79-90.

WATSON, KENNETH Energy transfer between surface and internal waves in the North Pacific ocean. Journal of Geophysical Research, v.99, no.C6, 1994. pp.12,549- 12,560.

WATSON, WILLIAM (with H. J. Walker, Jr.). Larval development of sargo (Anisotremus davidsonii). and salema (Xenistius californiensis). (Pisces: Haemulidae). from the Southern California Bight. Bulletin of Marine Science, v.51, no.3, 1992. pp.360-406.

WEAVER, C. P. (with William Collins and H. Grassl). Relationship between clear- sky atmospheric greenhouse effect and deep convection during the Central Equatorial Pacific Experiment: Model calculations and satellite observations. Journal of Geophysical Research, v.99, no.D12, 1994. pp.25,891-25,901.

WEFER, G. (with P-M. Heinze and Wolfgang H. Berger). Clues to ancient methane release. Nature, v.369, 1994. p.282.

WEINHEIMER, A. L. (with Annika Sanfilippo and William R. Riedel). Radiolarians from leg 134, Vanuatu region, southwestern tropical Pacific. In: Proceedings of the Ocean Drilling Program, Scientific Results, Vanuatu, v.134, edited by H. G. Green, J.-Y. Collot, L. B. Stokking, et al. College Station, TX., Ocean Drilling Program, Texas A&M University, 1994. pp.309-317.

WICHT, HELMUT (with R. Glenn Northcutt). An immunohistochemical study of the telencephalon and the diencephalon in a myxinoid jawless fish, the Pacific hagfish, Eptatretus stouti. Brain, Behavior and Evolution, v.43, 1994. pp.140- 161.

WIEBE, PETER HOWARD (David D. Moran, Robert A. Knox, Charles B. Miller, and John A. McGowan). Long-range needs for deep-sea platforms: the deep-sea observatory concept. Marine Technology Society Journal, v.27, no.2, 1993. pp.24-31.

WIENS, R. (with D. Lal, W. Rison, and J. F. Wacker). Helium isotope diffusion in natural diamonds. Geochimica et Cosmochimica Acta, v.58, no.7, 1994. pp.1747- 1757.

WINTERER, E. L. (with James H. Natland, Robert J. Van Waasbergen, Robert A. Duncan, Marcia K. McNutt, Cecily J. Wolfe, Isabella Premoli Silva, William W. Sager, and William V. Sliter). Cretaceous guyots in the northwest Pacific: an overview of their geology and geophysics. In: The Mesozoic Pacific: Geology, Tectonics, and Volcanism, Geophysical Monograph 77, edited by Malcolm S. Pringle, William W. Sager, William V. Sliter, and Seth Stein. Washington, D.C., American Geophysical Union, 1993. pp.307-334.

WINTERER, E. L. (with M. Sarti). Neptunian dykes and associated features in southern Spain: mechanics of formation and tectonic implications. Sedimentology, v.41, 1994. pp.1109-1132.

WORCESTER, PETER F. (with B. Cornuelle, John A. Hildebrand, W. S. Hodgkiss, T. F. Duda, Janice Boyd, Bruce M. Howe, J. A. Mercer, and Robert C. Spindel). A comparison of measured and predicted broadband acoustic arrival patterns in travel time-depth coordinates at 1000-km range. Journal of the Acoustical Society of America, v.95, no.6, 1994. pp.3118-3128.

WYATT, FRANK (with D. Agnew and Michael Gladwin). Continuous measurements of crustal deformation for the 1992 Landers earthquake sequence. Bulletin of the Seismological Society of America, v.84, no.3, 1994. pp.768-779.

YAMAZAKI, HIDEKATSU (with George Sugihara, G. J. Kirkpatrick, and D. Kamykowski). Is the photosynthetic process non-linear? Journal of Plankton Research, v.15, no.11, 1993. pp.1297-1308.

ZHANG, GUANG JUN Effects of cumulus convection on the simulated monsoon circulation in a general circulation model. Monthly Weather Review, v.122, 1994. pp.2022-2038.

ZHOU, MENG (with Walter Nordhausen and Mark E. Huntley). ADCP measurements of the distribution and abundance of euphausiids near the Antarctic Peninsula in winter. Deep-Sea Research I, v.41, no.9, 1994. pp.1425-1445.

ALVES-GOMES, JOSE A. (with Guillermo Ort; Margo G. Haygood, Walter Heiligenberg, and Axel Meyer). Phylogenetic analysis of the South American electric fishes (order Gymnotiformes). and the evolution of their electrogenic system: A synthesis based on morphology, electrophysiology, and mitochondrial sequence data. Molecular Biology and Evolution, v.12, no.2, 1995. pp.298-318

AZAM, FAROOQ (with David C. Smith, Richard A. Long, and Grieg F. Steward). Bacteria in oceanic carbon cycling as a molecular problem. In: Molecular Ecology of Aquatic Microbes. NATO ASI Series. Series G: Ecological Sciences, v.38, edited by I. Joint. Berlin, Springer-Verlag, 1995. pp.39-54

BAE, DEG-HYO (with Konstantine P. Georgakakos and S. K. Nanda). Operational forecasting with real-time databases. Journal of Hydraulic Engineering, v.121, no.1, 1995. pp.49-60

BARLOW, JAY (with Karin A. Forney). An Assessment of the 1994 Status of Harbor Porpoise in California. NOAA Technical Memorandum NMFS, SWFSC 205, 1994. 17p

BARLOW, LINDA A. (with R. Glenn Northcutt). Embryonic origin of amphibian taste buds. Developmental Biology, v.169, 1995. pp.273-285

BARTLETT, DOUGLAS (with C. Kato and K. Horikoshi). High pressure influences on gene and protein expression. Research in Microbiology, v.146, 1995. pp.697-706

BARTLETT, DOUGLAS (with T. J. Welch). ompH gene expression is regulated by multiple environmental cues in addition to high pressure in the deep-sea bacterium Photobacterium species strain SS9. Journal of Bacteriology, v.177, no.4, 1995. pp.1008-1016

BASSLER, BONNIE L. (with Michael Silverman). Intercellular communication in marine Vibrio species: Density-dependent regulation of the expression of bioluminescence. In: Two-Component Signal Transduction, edited by James A. Hoch and Thomas J. Silhavy. Washington, D.C., American Society of Microbiology, 1995. pp.431-445

BERGER, Wolfgang H. (with T. Bickert, G. Wefer, and M. K. Yasuda). Brunhes- Matuyama boundary: 790 k.y. date consistent with ODP Leg 130 oxygen isotope records based on fit to Milankovitch template. Geophysical Research Letters, v.22, no.12, 1995. pp.1525-1528

BERGER, Wolfgang H. Quaternary Fourier stratigraphy: Orbital templates and Milankovitch anomalies. Mathematical Geology, v.26, no.7, 1994. pp.769-781

BOTSFORD, LOUIS W. (with Coleen L. Moloney, A. Hastings, John. L. Largier, T. M. Powell, K. Higgins, and James F. Quinn). The influence of spatially and temporally varying oceanographic conditions on meroplanktonic metapopulations. Deep-Sea Research II, v.41, no.1, 1994. pp.107-144

BRATERMAN, P. S. (with Gustaf Arrhenius, S. Hui, and W. Paplawsky). Preferential uptake of ammonium ions by zinc ferrocyanide. Origins of Life and Evolution of the Biosphere, v.25, 1995. pp.531-538

BRAY, N. A. (with J. Ochoa and T. H. Kinder). The role of the interface in exchange through the Strait of Gibraltar. Journal of Geophysical Research, v.100, no.C6, 1995. pp.10,755-10,776

BRUNE, JAMES N. (with Joseph R. Curray, L. M. Dorman, and Russell Raitt). A proposed super-thick sedimentary basin, Bay of Bengal. Geophysical Research Letters, v.19, no.6, 1992. pp.565-568

BUKRY, DAVID Oligocene and miocene silicoflagellates from the northern Emperor Seamount Chain, site 883. In: Proceedings of the Ocean Drilling Program, Scientific Results, North Pacific Transect, v.145, edited by D. K. Rea, I. A. Basov, D. W. Scholl, and J. F. Allan. College Station, TX, Ocean Drilling Program, Texas A&M University, 1995. pp.639-643

BUKRY, DAVID Silicoflagellates and their geologic applications. In: United States Department of the Interior, Geological Survey, Open-File Report 95-260, Menlo Park, CA., U.S. Geological Survey, 1995. 27p

BULLOCK, THEODORE HOLMES Are the main grades of brains different principally in numbers of connections or also in quality? In The Nervous Systems of Invertebrates, An Evolutionary and Comparative Approach, with a coda written by T. H. Bullock, EXS 72, edited by O. Breidbach and W. Kutsch. Basel, Birkhauser Verlag, 1995. pp.439-448

BULLOCK, THEODORE HOLMES (with M. C. McClune, J. Z. Achimowicz, V. J. Iragui- Madoz, R. B. Duckrow, and S. S. Spencer). EEG coherence has structure in the millimeter domain: Subdural and hippocampal recordings from epileptic patients. Electroencephalography and Clinical Neurophysiology, v.95, 1995. pp.161-177

BULLOCK, THEODORE HOLMES Neural integration at the mesoscopic level: The advent of some ideas in the last half century. Journal of the History of Neurosciences, v.4, no.3-4, 1995. pp.216-235

BULLOCK, THEODORE HOLMES (with M. C. McClune, J. Z. Achimowicz, V. J. Iragui- Madoz, R. B. Duckrow, and S. S. Spencer). Temporal fluctuations in coherence of brain waves. Proceedings of the National Academy of Sciences of the United States of America, v.92, 1995. pp.11,568-11,572

BURKE, SUSAN K. (with R. B. Dunbar and Wolfgang H. Berger). Benthic and pelagic foraminifera of the Macoma layer, Santa Barbara Basin. Journal of Foraminiferal Research, v.25, no.2, 1995. pp.117-133

CALAIS, ERIC (with J. Bernard Minster). GPS detection of ionospheric perturbations following the January 17, 1994, Northridge earthquake. Geophysical Research Letters, v.22, no.9, 1995. pp.1045-1048

CARRETTA, JAMES V. (with Karin A. Forney). Report of the Two Aerial Surveys for Marine Mammals in California Coastal Waters Utilizing a NOAA DeHavilland Twin Otter Aircraft, March 9-April 7, 1991 and February 8-April 6, 1992. NOAA Technical Memorandum NMFS, NOAA-TM-NMFS-SWFSC 185, 1993. 77p

CAYAN, DANIEL R. (with Konstantine P. Georgakakos). Hydroclimatology of continental watersheds. 2. Spatial analyses. Water Resources Research, v.31, no.3, 1995. pp.677-697

CESS, R. D. (with M. H. Zhang, P. Minnis, L. Corsetti, E. G. Dutton, B. W. Forgan, D. P. Garber, W. L. Gates, J. J. Hack, E. F. Harrison, X. Jing, J. T. Kiehl, C. N. Long, J.-J. Morcrette, G. L. Potter, V. Ramanathan, B. Subasilar, C. H. Whitlock, D. F. Young, and Y. Zhou). Absorption of solar radiation by clouds: Observations versus models. Science, v.267, 1995. pp.496-499

CESSI, PAOLA (with G. R. Ierley). Symmetry-breaking multiple equilibria in qasigeostrophic, wind-driven flows. Journal of Physical Oceanography, v.25, 1995. pp.1196-1205

CHENG, LANNA (with P. Holdway). Populations of Halobates (Hemiptera: Gerridae). across two oceans. The Raffles Bulletin of Zoology, v.43, no.2, 1995. pp.313-327

CHI, ELLEN (with Douglas Bartlett). An rpoE-like locus controls outer membrane protein synthesis and growth at cold temperatures and high pressures in the deep-sea bacterium Photobacterium sp. strain SS9. Molecular icrobiology, v.17, no.4, 1995. pp.713-726

CHO, BYUNG C. (with Farooq Azam). Urea decomposition by bacteria in the Southern California Bight and its implications for the mesopelagic nitrogen cycle. Marine Ecology Progress Series, v.122, 1995. pp.21-26

COLLIN, SHAUN P. (with R. Glenn Northcutt). The visual system of the Florida garfish, Lepisosteus platyrhincus (Ginglymodi). III. Retinal ganglion cells. Brain, Behavior and Evolution, v.42, 1993. pp.295-320

COLLIN, SHAUN P. (with R. Glenn Northcutt). The visual system of the Florida garfish, Lepisosteus platyrhincus (Ginglymodi). IV. Bilateral projections and the binocular visual field. Brain, Behavior and Evolution, v.45, 1995. pp.34-53

COLLINS, MICHAEL D. (with B. Edward McDonald, W. A. Kuperman, and W. L. Siegmann). Jovian acoustics and Comet Shoemaker-Levy 9. Journal of the Acoustical Society of America, v.97, no.4, 1995. pp.2147-2158

COLLINS, MICHAEL D. (with B. Edward McDonald, Kevin D. Heaney, and W. A. Kuperman). Three-dimensional effects in global acoustics. Journal of the Acoustical Society of America, v.97, no.3, 1995. pp.1567-1575

COTA, GLENN F. (with Walker O. Smith, Jr. and B. G. Mitchell). Photosynthesis of Phaeocystis in the Greenland Sea. Limnology and Oceanography, v.39, no.4, 1994. pp.948-953

CRONIN, GREG (with Mark E. Hay, William Fenical, and Niels Lindquist). Distribution, density, and sequestration of host chemical defenses by the specialist nudibranch Tritonia hamnerorum found at high densities on the sea fan Gorgonia ventalina. Marine Ecology Progress Series, v.119, 1995. pp.177-189

CRONIN, GREG (with Niels Lindquist, Mark E. Hay, and William Fenical). Effects of storage and extraction procedures on yields of lipophilic metabolites from the brown seaweeds Dictyota ciliolata and D. menstrualis. Marine Ecology Progress Series, v.119, 1995. pp.265-273

CURRAY, JOSEPH R. Geological history of the Bengal Geosyncline. Journal of the Association of Exploration Geophysicists, v.12, no.4, 1991. pp.209-219

CURRAY, JOSEPH R. Sediment volume and mass beneath the Bay of Bengal. Earth and Planetary Science Letters, v.125, 1994. pp.371-383

DAYTON, PAUL K. (Simon F. Thrush, M. Tundi Agardy, and Robert J. Hofman). Evironmental effects of marine fishing. Aquatic Conservation: Marine and Freshwater Ecosystems, v.5, 1995. pp.205-232

DEGROOT-HEDLIN, C. Inversion for regional 2-D resistivity structure in the presence of galvanic scatterers. Geophysical Journal International, v.122, 1995. pp.877-888

DETTINGER, MICHAEL D. (with Daniel R. Cayan). Large-scale atmospheric forcing of recent trends toward early snowmelt runoff in California. Journal of Climate, v.8, no.3, 1995. pp.606-623

DICKSON, ANDREW G. Determination of dissolved oxygen in sea water by Winkler titration. In: World Ocean Circulation Experiment, WOCE Operations Manual, Volume 3: The Observational Programme, Section 3.1, WOCE Hydrographic Programme; Part 3.1.3: WHP Operations and Methods. WHP Office Report WHPO 91-1. WOCE REPORT No. 68/91. Woods Hole, MA, [WOCE Hydrographic Programme Office], 1994. pp.1-11

DICKSON, ANDREW G. The measurement of sea water pH. In: Global Fluxes of Carbon and Its Related Substances in the Coastal Sea-Ocean-Atmosphere System. Proceedings of the 1994 Sapporo IGBP Symposium, 14-17 November 1994, Hokkaido University, Sapporo Hokkaido, Japan. Sapporo Hokkaido, Japan, Science Council of Japan, 1995?. pp.418-423

DUSHAW, BRIAN D. (with B. Cornuelle, Peter F. Worcester, Bruce M. Howe, and Douglas S. Luther). Barotropic and baroclinic tides in the central North Pacific Ocean determined from long-range reciprocal acoustic transmissions. Journal of Physical Oceanography, v.25, no.4, 1995. pp.631-647

ELGAR, STEVE (with T. H. C. Herbers, Vinod Chandran, and Robert T. Guza). Higher- order spectral analysis of nonlinear ocean surface gravity waves. Journal of Geophysical Research, v.100, no.C3, 1995. pp.4977-4983

ELWANY, M. H. S. (with William C. O'Reilly, Robert T. Guza, and Reinhard E. Flick). Effects of southern California kelp beds on waves. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.121, no.2, 1995. pp.143-150

EMERSON, STEVEN (with Thomas L. Hayward). Chemical tracers of biological processes in shallow waters of North Pacific: Preformed nitrate distributions. Journal of Marine Research, v.53, 1995. pp.499-513

ENRIGHT, JAMES T. Water dowsing: The Scheunen experiments. Naturwissenschaften, v.82, 1995. pp.360-369

FENICAL, WILLIAM Progress in the Chemistry of Organic Natural Products. Volume 62. Fortschritte der Chemie Organicher[sic] Naturstoffe, edited by W. Herz, G. W. Kirby, R. E. Moore, W. Steglich, and Ch. Tamm. (Book Review). Journal of the American Chemical Society, v.117, no.2, 1995. p.839

FORNEY, KARIN A. (with Jay Barlow and James V. Carretta). The abundance of cetaceans in California waters. Part II: Aerial surveys in winter and spring of 1991 and 1992. Fishery Bulletin, v.93, no.1, 1995. pp.15-26

FORNEY, KARIN A. A decline in the abundance of harbor porpoise, Phocoena phocoena, in nearshore waters off California, 1986-93. Fishery Bulletin, v.93, no.4, 1995. pp.741-748

FORNEY, KARIN A. (with Jay Barlow). Preliminary winter abundance estimates for cetaceans along the California coast based on a 1991 aerial survey. International Whaling Commission Report, v.43, 1993. pp.407-415

FORNEY, KARIN A. Recent information on the status of odontocetes in Californian waters. NOAA Technical Memorandum NMFS, NOAA-TM-NMFS-SWFSC 202, June 1994. 87p

FRANKS, PETER J. S. Coupled physical-biological models in oceanography. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 2. Washington, D.C., American Geophysical Union, 1995. pp.1177-1187

FRANKS, PETER J. S. Thin layers of phytoplankton: A model of formation by near- inertial wave shear. Deep-Sea Research I, v.42, no.1, 1995. pp.75-91

FROUIN, ROBERT (with James J. Simpson). Radiometric calibration of GOES-7 VISSR solar channels during the GOES pathfinder benchmark period. Remote Sensing of Environment, v.52, 1995. pp.95-115

GARVER, SARA A. (with D. A. Siegel and B. G. Mitchell). Variability in near-surface particulate absorption spectra: What can a satellite ocean color imager see? Limnology and Oceanography, v.39, no.6, 1994. pp.1349-1367

GENIN, AMATZIA (with Gideon Gal and L. R. Haury). Copepod carcasses in the ocean. II. Near coral reefs. Marine Ecology Progress Series, v.123, 1995. pp.65-71

GEORGAKAKOS, KONSTANTINE P. (with Deg-Hyo Bae and Daniel R. Cayan). Hydroclimatology of continental watersheds. 1. Temporal analyses. Water Resources Research, v.31, no.3, 1995. pp.655-675

GEORGAKAKOS, KONSTANTINE P. On the establishment of a US national center for hydrologic research and technology transfer. Journal of Hydrology, v.172, 1995. pp.15-21

GIBSON, CARL H. (with William H. Thomas). Effects of turbulence intermittency on growth inhibition of a red tide dinoflagellate, Gonyaulax polyedra Stein. Journal of Geophysical Research, v.100, no.C12, 1995. pp.24,841-24,846

GOLDBERG, EDWARD D. The health of the oceans - a 1994 update. Chemistry and Ecology, v.10, 1995. pp.3-8

GOLDBERG, EDWARD D. Intuition, catastrophe, and ocean health. Environmental Conservation, v.22, no.2, 1995. p.101

GRAHAM, JEFFREY B. (with Robert Dudley, Nancy M. Aguilar, and Carl Gans). Implications of the late Palaeozoic oxygen pulse for physiology and evolution. Nature, v.375, 1995. pp.117-120

GRAHAM, JEFFREY B. (with N. Chin Lai, David Chiller, and John L. Roberts). The transition to air breathing in fishes. V. Comparative aspects of cardiorespiratory regulation in Synbranchus marmoratus and Monopterus albus (Synbranchidae). Journal of Experimental Biology, v.198, 1995. pp.1455-1467

GURROLA, H. (with G. Eli Baker and J. Bernard Minster). Simultaneous time-domain deconvolution with application to the computation of receiver functions. Geophysical Journal International, v.120, 1995. pp.537-543

HAASE, JENNIFER S. (with P. M. Shearer and Richard C. Aster). Constraints on temporal variations in velocity near Anza, California, from analysis of similar event pairs. Bulletin of the Seismological Society of America, v.85, no.1, 1995. pp.194-206

HADER, DONAT-P. (with Robert C. Worrest, H. D. Kumar, and Raymond C. Smith). Effects of increased solar ultraviolet radiation on aquatic ecosystems. Ambio, v.24, no.3, 1995. pp.174-180

HAMMEL, H. T. Boltzmann's principle depicts distribution of water molecules between vapor and liquid for pure liquid and for aqueous solutions. Journal of Physical Chemistry, v.99, 1995. pp.8392-8400

HAMMEL, H. T. Roles of colloidal molecules in Starling's hypothesis and in returning interstitial fluid to the vasa recta. American Journal of Physiology, v.268, 1995. pp.H2133-H2144

HANEY, J. C. (with L. R. Haury, Lauren S. Mullineaux, and Connie L. Fey). Sea- bird aggregation at a deep North Pacific seamount. Marine Biology, v.123, 1995. pp.1-9

HARTMANN, D. A. (with C. F. Driscoll, T. M. O'Neil, and V. D. Shapiro). Measurements of the weak warm beam instability. Physics of Plasmas, v.2, no.3, 1995. pp.654-677

HAURY, L. R. (with Connie L. Fey, Gideon Gal, Alistair Hobday, and Amatzia Genin). Copepod carcasses in the ocean. I. Over seamounts. Marine Ecology Progress Series, v.123, 1995. pp.57-63

HAURY, L. R. (with Hidekatsu Yamazaki). The dichotomy of scales in the perception and aggregation behavior of zooplankton. Journal of Plankton Research, v.17, no.1, 1995. pp.191-197

HAYGOOD, MARGO G. The Symbiotic Perspective. (Book Review). Science, v.268, 1995. pp.1209, 1212

HAYWARD, THOMAS L. (with Daniel R. Cayan, Peter J. S. Franks, Ronald J. Lynn, Arnold W. Mantyla, John A. McGowan, Paul E. Smith, Franklin B. Schwing, and Elizabeth L. Venrick). The state of the California Current in 1994-1995: A period of transition. California Cooperative Oceanic Fisheries Investigations. Reports, v.36, 1995. pp.19-39

HERBERS, T. H. C. (with Steve Elgar, Robert T. Guza, and William C. O'Reilly). Infragravity-frequency (0.005-0.05 Hz). Motions on the shelf. Part II: Free waves. Journal of Physical Oceanography, v.25, no.6, pt. I, 1995. pp.1063-1079

HERZFELD, UTE CHRISTINA (with Isaac I. Kim and John A. Orcutt). Is the Ocean Floor a Fractal? Mathematical Geology, v.27, no.3, 1995. pp.421-462

HIRANO, TAKASHI (with Ryo Negishi, Mihoko Yamaguchi, Feng Qi Chen, Yoshihiro Ohmiya, Frederick I. Tsuji, and Mamoru Ohashi). Chemi- and bio-luminescent properties of coelenterazine analogues

possessing an adamantyl group. Journal of the Chemical Society. Chemical Communications, 1995. pp.1335-1336

HOLLAND, K. T. (with B. Raubenheimer, Robert T. Guza, and R. A. Holman). Runup kinematics on a natural beach. Journal of Geophysical Research, v.100, no.C3, 1995. pp.4985-4993

HONKANEN, RICHARD E. (with Faith R. Caplan, Kathleen K. Baker, Cynthia L. Baldwin, Steven C. Bobzin, Christine M. Bolis, Gabriela M. Cabrera, Louis A. Johnson, Jee H. Jung, Linda K. Larsen, Ira A. Levine, Richard E. Moore, Carrie S. Nelson, Gregory M. L. Patterson, Kathryn D. Tschappat, Grace D. Tuang, Alton L. Boynton, Anthony R. Arment, Jisi An, Wayne W. Carmichael, Karin D. Rodland, Bruce E. Magun, and Ralph A. Lewin). Protein phosphatase inhibitory activity in extracts of cultured blue-green algae (Cyanophyta). Journal of Phycology, v.31, 1995. pp.478-486

HORIBE, Y. (with Harmon Craig). D/H fractionation in the system methane-hydrogen- water. Geochimica et Cosmochimica Acta, v.59, no.24, 1995. pp.5209-5217

HOWE, BRUCE M. (Stephen G. Anderson, Arthur Baggeroer, John A. Colosi, Kevin R. Hardy, David Horwitt, Frederick W. Karig, Shaun Leach, J. A. Mercer, Kurt Metzger, Jr., LeRoy O. Olson, Douglas A. Peckham, Donald A. Reddaway, Ronald R. Ryan, Ronald P. Stein, Keith von der Heydt, John D. Watson, Shirley L. Weslander and Peter F. Worcester). Instrumentation for the Acoustic Thermometry of Ocean Climate (ATOC). prototype Pacific Ocean network. In: Oceans '95, "Challenges of Our Changing Global Environment", Conference Proceedings, October 9-12, 1995, San Diego, California, MTS/IEEE, [OES]. Piscataway, NJ, Institute of Electrical and Electronics Engineers, 1995. pp.1483-1500

HUNTLEY, MARK E. (with Walter Nordhausen). Ammonium cycling by Antarctic zooplankton in winter. Marine Biology, v.121, 1995. pp.457-467

HUNTLEY, MARK E. (with Meng Zhou and Walter Nordhausen). Mesoscale distribution of zooplankton in the California Current in late spring, observed by Optical Plankton Counter. Journal of Marine Research, v.53, 1995. pp.647-674

HUNTLEY, MARK E. (with Pearn P. Niiler). Physical control of population dynamics in the Southern Ocean. ICES Journal of Marine Science, v.52, 1995. pp.457-468

IERLEY, G. R. (with Vitalii A. Sheremet). Multiple solutions and advection- dominated flows in the wind-driven circulation. Part I: Slip. Journal of Marine Research, v.53, no.5, 1995. pp.703-737

JAFFE, JULES S. (with Edward Reuss, Duncan McGehee, and Girish Chandran). FTV: A sonar for tracking macrozooplankton in three dimensions. Deep-Sea Research I, v.42, no.8, 1995. pp.1495-1512

JAFFE, JULES S. (with Girish Chandran and Edward Reuss). High frequency acoustic imaging in the ocean. In: ICASSP'[sic] 95, Conference Proceedings, Volume 5, Special Sessions, Audio and Electroacoustics, Underwater Acoustic Signal Processing, Very Large Scale Integration (VLSI), Neural Networks, Joint Sessions. 1995 IEEE International Conference on Acoustics, Speech and Signal Processing, May 9-12, Detroit, Michigan. New York, IEEE, 1995. pp.2793-2796

JAFFE, JULES S. Monte Carlo modeling of underwater image formation: Validity of the linear and small angle approximations. Applied Optics, v.34, no.24, 1995. pp.5413-5421

JENSEN, PAUL R. (with William Fenical). The relative abundance and seawater requirements of grampositive bacteria in near-shore tropical marine samples. Microbial Ecology, v.29, 1995. pp.249-257

JULL, A. J. T. (with D. Lal and D. J. Donahue). Evidence for a non-cosmogenic implanted 14C component in lunar samples. Earth and Planetary Science Letters, v.136, 1995. pp.693-702

KALMIJN, AD. J. Near-field acoustic detection. I. Physical principles and biological relevance. Sensory Systems, v.8, nos.3-4, 1994. pp.202-209

KAPPUS, M. E. (with Alistair Harding and John A. Orcutt). A baseline for upper crustal velocity variations along the East Pacific Rise at 13øN. Journal of Geophysical Research, v.100, no.B4, 1995. pp.6143-6161

KEELING, CHARLES D. (with T. P. Whorf, M. Wahlen, and J. van der Plicht). Interannual extremes in the rate of rise of atmospheric carbon dioxide since 1980. Nature, v.375, 1995. pp.666-670

KEELING, RALPH F. The atmospheric oxygen cycle: The oxygen isotopes of atmospheric CO2 and O2 and the O2/N2 ratio. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 2. Washington, D.C., American Geophysical Union, 1995. pp.1253-1262

KEELING, RALPH F. (with Tsung-Hung Peng). Transport of heat, CO2 and O2 by the Atlantic's thermohaline circulation. Philosophical Transactions of the Royal Society of London B, v.348, 1995. pp.133-142

KENDALL, J-M. (with P. M. Shearer). On the structure of the lowermost mantle beneath the southwest Pacific, southeast Asia and Australasia. Physics of the Earth and Planetary Interiors. v.92, 1995. pp.85-98

KOOYMAN, GERALD L. (with T. G. Kooyman). Diving behavior of Emperor Penguins nurturing chicks at Coulman Island, Antarctica. The Condor, v.97, 1995. pp.536-549

LANGBEIN, JOHN (with Frank G. Wyatt, Hadley O. Johnson, Duane Hamann, and Paul Zimmer). Improved stability of a deeply anchored geodetic monument for deformation monitoring. Geophysical Research Letters, v.22, no.24, 1995. pp.3533-3536

LANGE, C. B. (with A. Schimmelmann). Data report: X-radiography of selected, predominantly varved intervals at Hole 893A. In: Proceedings of the Ocean Drilling Program, Scientific Results, Santa Barbara Basin, v.146, pt.2, edited by J. P. Kennett, J. G. Baldauf, and M. Lyle. College Station, TX., Ocean Drilling Program, Texas A&M University, 1995. pp.333-346

LANGE, C. B. (with Demetrio Boltovskoy). Trampas de sedimento. In: Manual de M,todos Ficol¢gicos, edited by Krisler Alveal, Martha E. Ferrario, Eurico C. Oliveira, and Engenia Sar. Concepcion, Chile, Universidad de Concepcion, 1995. pp.93-118

LARGIER, JOHN L. The internal tide over the shelf inshore of Cape Point Valley, South Africa. Journal of Geophysical Research, v.99, no.C5, 1994. pp.10,023-10,034

LATZ, MICHAEL I. (with J. Rohr and J. Hoyt). A novel flow visualization technique using bioluminescent marine plankton Part I: Laboratory studies. IEEE Journal of Oceanic Engineering, v.20, no.2, 1995. pp.144-147

LATZ, MICHAEL I. Physiological mechanisms in the control of bioluminescent countershading in a midwater shrimp. Marine and Freshwater Behaviour and Physiology, v.26, 1995. pp.207-218

LATZ, MICHAEL I. (with Andrea O. Lee). Spontaneous and stimulated bioluminescence of the dinoflagellate Ceratocorys horrida (Peridiniales). Journal of Phycology, v.31, 1995. pp.120-132

LEBEDEV, V. B. (with P. H. Diamond, V. D. Shapiro, and G. I. Soloviev). Modulational interaction between drift waves and trapped ion convective cells: A paradigm for the self-consistent interaction of large-scale sheared flows with small-scale fluctuations. Physics of Plasmas, v.2, no.12, 1995. pp.4420-4431

LEE, YOUN-HO (with Victor D. Vacquier). Evolution and systematics in Haliotidae (Mollusca: Gastropoda): Inferences from DNA sequences of sperm lysin. Marine Biology, v.124, 1995. pp.267-278

LEE, YOUN-HO (with Tatsuya Ota and Victor D. Vacquier). Positive selection is a general phenomenon in the evolution of abalone sperm lysin. Molecular Biology and Evolution, v.12, no.2, 1995. pp.231-238

LEVIN, LISA A. (with Claudio DiBacco). Influence of sediment transport on short- term recolonization by seamount infauna. Marine Ecology Progress Series, v.123, 1995. pp.163-175

LEVIN, LISA A. (with Todd S. Bridges). Pattern and diversity in reproduction and development. In: Ecology of Marine Invertebrate Larvae. Marine Science Series, edited by Larry McEdward. Boca Raton, CRC Press, 1995. pp.1-48

LEWIN, RALPH A. Bioconvection. Algological Studies, v.77, 1995. pp.67-73

LEWIN, RALPH A. (with Lanna Cheng). The MACC at Qingdao, China. Phycologia, v.34, no.4, 1995. p.347

LEWIN, RALPH A. Symbiotic algae: Definitions, quantification and evolution. Symbiosis, v.19, 1995. pp.31-37

LIU, CHAR-SHINE (with George G. Shor, Jr. and Joseph R. Curray). Velocity structure and nature of the forearc basin off west Sumatra from expanding spread experiments. Acta Oceanographica Taiwanica, no.27, 1991. pp.21-39

LOPEZ, M. D. G. (with Mark E. Huntley). Feeding and diel vertical migration cycles of Metridia gerlachei (Giesbrecht) in coastal waters of the Antarctic Peninsula. Polar Biology, v.15, 1995. pp.21-30

LYNN, RONALD J. (with Franklin B. Schwing and Thomas L. Hayward). The effect of the 1991-1993 ENSO on the California Current system. California Cooperative Oceanic Fisheries Investigations. Reports, v.36, 1995. pp.57-71

LUBIN, DAN (with Elsa H. Jensen). Effects of clouds and stratospheric ozone depletion on ultraviolet radiation trends. Nature, v.377, 1995. pp.710-713

MAFFIONE, R. A. (with Jules S. Jaffe). The average cosine due to an isotropic light source in the ocean. Journal of Geophysical Research, v.100, no.C7, 1995. pp.13,179-13,192

MANDERNACK, KEVIN W. (with Jeffrey Post and Bradley M. Tebo). Manganese mineral formation by bacterial spores of the marine Bacillus, strain SG-1: Evidence for the direct oxidation of Mn (II). to Mn(IV). Geochimica et Cosmochimica Acta, v.59, no.21, 1995. pp.4393-4408

MANDERNACK, KEVIN W. (Marilyn L. Fogel, Bradley M. Tebo, and Akira Usui). Oxygen isotope analyses of chemically and microbially produced manganese oxides and manganetes. Geochimica et Cosmochimica Acta, v.59, no.21, 1995. pp.4409-4425

MANES, C. (with N. Chin Lai). Nonmitochondrial oxygen utilization by rabbit blastocysts and surface production of superoxide radicals. Journal of Reproduction and Fertility, v.104, 1995. pp.69-75

MANTYLA, ARNOLD W. (with Joseph L. Reid). On the origins of deep and bottom waters of the Indian Ocean. Journal of Geophysical Research, v.100, no.C2, 1995. pp.2417-2439

MANTYLA, ARNOLD W. (with Elizabeth L. Venrick and Thomas L. Hayward). Primary production and chlorophyll relationships, derived from ten years of CalCOFI measurements. California Cooperative Oceanic Fisheries Investigations. Reports, v.36, 1995. pp.159-166

MARTIN, GILL M. (with Douglas W. Johnson, David P. Rogers, P. R. Jonas, P. Minnis, and D. A. Hegg). Observations of the interaction between cumulus clouds and warm stratocumulus clouds in the marine boundary layer during ASTEX. Journal of the Atmospheric Sciences, v.52, no.16, 1995. pp.2902-2922

MCDONALD, MARK A. (with John A. Hildebrand and Spahr Webb). Blue and fin whales observed on a seafloor array in the Northeast Pacific. Journal of the Acoustical Society of America, v.98, no.2, pt.1, 1995. pp.712-721

MCGEHEE, DUNCAN (with Jules S. Jaffe). Segmented transducer design using an optimum mean square quantizer approach. Journal of the Acoustical Society of America, v.97, no.4, 1995. pp.2316-2325

MILES, JOHN W. Dynamics and Modelling of Ocean Waves by G. J. Komen, L. Cavaleri, M. Donelan, K. Hasselmann, S. Hasselmann, and P. A. E. M. Janssen. (Book Review). Science, v.270, 1995. p.320

MILES, JOHN W A note on modulated cross-waves. Journal of Fluid Mechanics, v.295, 1995. pp.301-304

MILLER, ARTHUR J. (with P. M. Poulain, Allan R. Robinson, Hernan G. Arango, Wayne G. Leslie, and Alex Warn-Varnas). Quantitative skill of quasi-geostrophic forecasts of a baroclinically unstable Iceland-Faroe Front. Journal of Geophysical Research, v.100, no.C6, 1995. pp.10,833-10,849

MILLER, ARTHUR J. (with Hernan G. Arango, Allan R. Robinson, Wayne G. Leslie, P. M. Poulain, and Alex Warn-Varnas). Quasigeostrophic forecasting and physical processes of Iceland-Faroe frontal variability. Journal of Physical Oceanography, v.25, no.6, pt.I, 1995. pp.1273-1295

MITCHELL, B. G. Coastal zone color scanner retrospective. Journal of Geophysical Research, v.99, no.C4, 1994. pp.7291-7292

MOLONEY, COLEEN L. (Louis W. Botsford and John L. Largier). Development, survival and timing of metamorphosis of planktonic larvae in a variable environment: The Dungeness crab as an example. Marine Ecology Progress Series, v.113, 1994. pp.61-79

MOORE, LISA R. (with Ralf Goericke and Sallie W. Chisholm). Comparative physiology of Synechococcus and Prochlorococcus: Influence of light and temperature on growth, pigments, fluorescence and absorptive properties. Marine Ecology Progress Series, v.116, 1995. pp.259-275

MORAWITZ, W. M. L. (with P. J. Sutton, Peter F. Worcester, and B. Cornuelle). Three-dimensional observations of a deep convective chimney in the Greenland Sea during winter 1988-1989. In: Symposium "Nordic Seas" on the Results from Greenland Sea Project (GSP), Hamburg, March 7-9, 1995. Arctic Ocean Sciences Board and Sonderforschungsbereich "Processes Relavant[sic] to Climate". Extended Abstracts. Hamburg, Universitat Hamburg, 1995. pp.149-152

MOZINGO, NANCY M. (with Victor D. Vacquier and Douglas E. Chandler). Structural features of the abalone egg extracellular matrix and its role in gamete interaction during fertilization. Molecular Reproduction and Development, v.41, 1995. pp.493-502

MULLIN, MICHAEL M. Nauplii of the copepod, Calanus pacificus, off southern California in the El Nino winter spring of 1992, and implications for larval fish. Journal of Plankton Research, v.17, no.1, 1995. pp.183-189

MUNK, WALTER H. (with Peter F. Worcester and Carl Wunsch). Ocean Acoustic Tomography. Cambridge Monographs on Mechanics. Cambridge, Cambridge University Press, 1995. 433p

MUTTER, J. C. (with Suzanne M. Carbotte, Wusi Su, Liqing Xu, P. Buhl, R. S. Detrick, G. M. Kent, John A. Orcutt, and Alistair Harding). Seismic images of active magma systems beneath the East Pacific Rise between 17 05' and 17 35'S. Science, v.268, 1995. pp.391-395

NEILSON, DOUGLAS J. (with Michael I. Latz and J. F. Case). Temporal variability in the vertical structure of bioluminescence in the North Atlantic Ocean. Journal of Geophysical Research, v.100, no.C4, 1995. pp.6591-6603

NEVISON, CYNTHIA D. (with Ray F. Weiss and David J. Erickson III). Global oceanic emissions of nitrous oxide. Journal of Geophysical Research, v.100, no.C8, 1995. pp.15,809-15,820

NEWMAN, WILLIAM A. (with Toshiyuki Yamaguchi). A new sessile barnacle (Cirripedia, Brachylepadomorpha). from the Lau Back-Arc Basin, Tonga; first record of a living representative since the Miocene. Bulletin du Museum National d'Histoire Naturelle. Section A, Zoologie, Biologie et Ecologie Animales. Series 4, v.17, nos.3-4, 1995. pp.221-243

NIERENBERG, WILLIAM A. Looking back 10 years. Energy Policy, v.23, nos.4/5, 1995. pp.283-288

NIERENBERG, WILLIAM A. Progress and problems: A decade of research on global warming. The Bridge, v. 25, no.2, 1995. pp.4-9

NIERENBERG, WILLIAM A. Science, policy, and international affairs: How wrong the great can be. Environmental Conservation, v.20, no.3, 1993. pp.195-197

NORTHCUTT, R. GLENN (with Kurt Br"ndle). Development of branchiomeric and lateral line nerves in the axolotl. Journal of Comparative Neurology, v.355, 1995. pp.427-454

NORTHCUTT, R. GLENN (with Kurt Brandle and B. Fritzsch). Electroreceptors and mechanosensory lateral line organs arise from single placodes in axolotls. Developmental Biology, v.168, 1995. pp.358-373

NORTHCUTT, R. GLENN (with Jon H. Kaas). The emergence and evolution of mammalian neocortex. Trends in Neurosciences, v.18, no.9, 1995. pp.373-379

NORTHCUTT, R. GLENN The forebrain of gnathostomes: In search of a morphotype. Brain, Behavior and Evolution, v.46, 1995. pp.275-318

OGAWA, HIDESATO (with Satoshi Inouye, Frederick I. Tsuji, Kunio Yasuda, and Kazuhiko Umesono). Localization, trafficking, and temperature-dependence of the Aequorea green fluorescent protein in cultured vertebrate cells. Proceedings of the National Academy of Sciences of the United States of America, v.92, 1995. pp.11,899-11,903

OHMAN, MARK D. (with Paul E. Smith). A comparison of zooplankton sampling methods in the CalCOFI time series. California Cooperative Oceanic Fisheries Investigations. Reports, v.36, 1995. pp.153-158

OHMAN, MARK D. (with Simon N. Wood). The inevitability of mortality. ICES Journal of Marine Science, v.52, 1995. pp.517-522

OHMIYA, YOSHIHIRO (with Nobuyoshi Ohba, Hiroyuki Toh, and Frederick I. Tsuji). Cloning, expression and sequence analysis of cDNA for the luciferases from the Japanese fireflies, Pyrocoelia miyako and Hotaria pavula. Photochemistry and Photobiology, v.62, no.2, 1995. pp.309-313

OKIHIRO, MICHELE (with Robert T. Guza). Infragravity energy modulation by tides. Journal of Geophysical Research, v.100, no.C8, 1995. pp.16,143-16,148

PALENIK, BRIAN (with John A. Koke). Characterization of a nitrogen-regulated protein identified by cell surface biotinylation of a marine phytoplankton. Applied and Environmental Microbiology, v.61, no.9, 1995. pp.3311-3315

PALOWITCH, ANDREW W. (with Jules S. Jaffe). Optical serial sectioned Chlorophyll a microstructure. Journal of Geophysical Research, v.100, no.C7, 1995. pp.13,267-13,278

PARKER, KENNETH S. (with Thomas C. Royer and Richard B. Deriso). High-latitude climate forcing and tidal mixing by the 18.6-year lunar nodal cycle and low- frequency recruitment trends in Pacific halibut (Hippoglossus stenolepis). In: Climate Change and Northern Fish Populations, edited by R. J. Beamish. Canadian Special Publication of Fisheries and Aquatic Sciences 121. Ottawa, National Research Council, 1995. pp.447-459

PARKER, PAUL R. (with Mark A. Zumberge and Robert L. Parker). A new method for fringe-signal processing in absolute gravity meters. Manuscripta Geodaetica, v.20, 1995. pp.173-181

PATHIRANA, CHARLES (with Robert B. Stein, Tina S. Berger, William Fenical, Teodoro Ianiro, Dale E. Mais, Antonio Torres, and Mark E. Goldman). Nonsteroidal human progesterone receptor modulators from the marine alga Cymopolia barbata. Molecular Pharmacology, v.47, 1995. pp.630-635

PAWLOWICZ, R. (with J. F. Lynch, W. B. Owens, and Peter F. Worcester). Deep water formation in the Greenland Sea, new technologies investigate an old mystery. Oceanus, v.37, no. 2, 1994. pp.9-11

PAWLOWICZ, R. (with J. F. Lynch, W. B. Owens, Peter F. Worcester, W. M. L. Morawitz, and P. J. Sutton). Thermal evolution of the Greenland Sea Gyre in 1988- 1989. Journal of Geophysical Research, v.100, no.C3, 1995. pp.4727-4750

PERRIN, WILLIAM F. (with Wesley A. Armstrong, Alan N. Baker, Jay Barlow, Scott R. Benson, Anne S. Collet, James M. Cotton, Darlene M. Everhart, Terry D. Farley, Robyn M. Mellon, Scott K. Miller, Valerie Philbrick, Jennifer L. Quan, and Hector Raul Lira Rodriguez). An anomalously pigmented form of the short-beaked common dolphin (Delphinus delphis). from the southwestern Pacific, eastern Pacific, and eastern Atlantic. Marine Mammal Science, v.11, no.2, 1995. pp.240-247

PERRIN, WILLIAM F (with Stephen Leatherwood and Ma. Louella L. Dolar). The status of marine mammal research in Southeast Asia. IBI Reports, no.5, 1995. pp. 1-16

PILEWSKIE, PETER (with Francisco P. J. Valero). Direct observations of excess solar absorption by clouds. Science, v.267, 1995. pp.1626-1629

PINKEL, ROBERT (with Mark A. Merrifield and Hans Ramm). Probing the interior of Arctic leads: Investigations using high-frequency sound. Journal of Geophysical Research, v.100, no.C3, 1995. pp.4693-4705

PITSCH, S. (with A. Eschenmoser, B. Gedulin, S. Hui, and Gustaf Arrhenius). Mineral induced formation of sugar phosphates. Origins of Life and Evolution of the Biosphere, v.25, 1995. pp.297-334

PIVOVAROV, V. (with A. Burke, S. K. Ride, and V. D. Shapiro). Excitation of VLF waves by an electron beam injected into the ionosphere. Journal of Geophysical Research, v.100, no.A9, 1995. pp.17,515-17,526

PLATNICK, S. (with Francisco P. J. Valero). A validation of a satellite cloud retrieval during ASTEX. Journal of the Atmospheric Sciences, v.52, no.16, 1995. pp.2985-3001

PONGANIS, PAUL J. (with Gerald L. Kooyman and M. A. Castellini). Multiple sightings of Arnoux's beaked whales along the Victoria Land coast. Marine Mammal Science, v.11, no.2, 1995. pp.247-250

PRINN, R. G. (with Ray F. Weiss, B. R. Miller, J. Huang, F. N. Alyea, D. M. Cunnold, P. J. Fraser, D. E. Hartley, and P. G. Simmonds). Atmospheric trends and lifetime of CH3CCl3 and global OH concentrations. Science, v.269, 1995. pp.187- 192

RAMANATHAN, V. Clouds and climate. Proceedings of the Koninklijke Nederlandse Akademie van Wetenschappen, v.98, no.4, 1995. pp.361-383

RAMANATHAN, V. (with B. Subasilar, Guang Jun Zhang, W. Conant, R. D. Cess, J. T. Kiehl, H. Grassl, and L. Shi). Warm pool heat budget and shortwave cloud forcing: A missing physics? Science, v.267, 1995. pp.499-503

RANSOM, BARBARA (with Harold C. Helgeson). A chemical and thermodynamic model of dioctahedral 2:1 layer clay minerals in diagenetic processes: Dehydration of dioctahedral aluminous smectite as a function of temperature and depth in sedimentary basins. American Journal of Science, v.295, 1995. pp.245-281

RANSOM, BARBARA (with Arthur J. Spivack and Miriam Kastner). Stable Cl isotopes in subduction-zone pore waters: Implications for fluid-rock reactions and the cycling of chlorine. Geology, v.23, no.8, 1995. pp.715-718

RAUBENHEIMER, B. (with Robert T. Guza, Steve Elgar, and N. Kobayashi). Swash on a gently sloping beach. Journal of Geophysical Research, v.100, no.C5, 1995. pp.8751-8760

RAZAFIMPANILO, HERISOA (with Robert Frouin, Sam Iacobellis, and Richard C. J. Somerville). Methodology for estimating burned area from AVHRR reflectance data. Remote Sensing of Environment, v.54, 1995. pp.273-289

REITZEL, JOHN (with M. H. S. Elwany and Janice D. Callahan). Statistical analyses of the effects of a coastal power plant cooling system on underwater irradiance. Applied Ocean Research, v.16, 1994. pp.373-379

ROADS, JOHN OWEN (with Shyhi Chin Chen and K. Ueyoshi). Comparison of NMC's global pressure analysis to NCDC's U.S. observations. Journal of Climate, v.8, no.5, Part II, 1995. pp.1410-1428

ROEMMICH, DEAN (with John A. McGowan). Climatic warming and the decline of zooplankton in the California Current. Science, v.267, 1995. pp.1324-1326

ROGERS, DAVID P. Air-sea interaction: Connecting the ocean and atmosphere. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 2. Washington, D.C., American Geophysical Union, 1995. pp.1377-1383

ROGERS, DAVID P. Coastal meteorology. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 2. Washington, D.C., American Geophysical Union, 1995. pp.889-895

ROGERS, DAVID P. (with Xiaohua Yang, Peter M. Norris, Douglas W. Johnson, Gill M. Martin, Carl A. Friehe, and Bradford W. Berger). Diurnal evolution of the cloud-topped marine boundary layer. Part I: Nocturnal stratocumulus development. Journal of the Atmospheric Sciences, v.52, no.16, 1995. pp.2953-2966

ROGERS, DAVID P. (with Douglas W. Johnson and Carl A. Friehe). The stable internal boundary layer over a coastal sea. Part I: Airborne measurements of the mean and turbulence structure. Journal of the Atmospheric Sciences, v.52, no.6, 1995. pp.667-683

ROGERS, DAVID P. (with Douglas W. Johnson and Carl A. Friehe). The stable internal boundary layer over a coastal sea. Part II: Gravity waves and the momentum balance. Journal of the Atmospheric Sciences, v.52, no.6, 1995. pp.684-696

ROHR, J. (with Michael I. Latz, E. Hendricks, and J. C. Nauen). A novel flow visualization technique using bioluminescent marine plankton Part II: Field studies. IEEE Journal of Oceanic Engineering, v.20, no.2, 1995. pp.147-149

ROSEL, PATRICIA E. (with Margo G. Haygood and William F. Perrin). Phylogenetic relationships among the true porpoises (Cetacea: Phocoenidae). Molecular Phylogenetics and Evolution, v.4, no.4, 1995. pp.463-474

ROSEL, PATRICIA E. (with Andrew E. Dizon and Margo G. Haygood). Variability of the mitochondrial control region in populations of the harbour porpoise, Phocoena phocoena, on interoceanic and regional scales. Canadian Journal of Fisheries and Aquatic Sciences, v.52, 1995. pp.1210-1219

ROSS, ARNOLD (with William A. Newman). A coral-eating barnacle, revisited (Cirripedia, Pyrgomatidae). Contributions to Zoology, v.65, no.3, 1995. pp.129-175

ROZENBERG, ANATOL D. (with Derek C. Quigley and W. K. Melville). Laboratory study of polarized scattering by surface waves at grazing incidence: Part I Wind waves. IEEE Transactions on Geoscience and Remote Sensing, v.33, no.4, 1995. pp.1037-1046

SANFILIPPO, ANNIKA Cenozoic radiolaria. In: Siliceous Microfossils. Society Short Courses in Paleontology, 8, convened by C. D. Blome, Patricia M. [i.e.A.] Whalen, and Katherine M. Reed. [Knoxville, Tenn.], Paleontological Society, 1995. pp.61-79

SANFILIPPO, ANNIKA (with Catherine Nigrini). Radiolarian stratigraphy across the Oligocene/Miocene transition. Marine Micropaleontology, v.24, 1995. pp.239-285

SCHMIDT, H. (with W. A. Kuperman). Spectral representations of rough interface reverberation in stratified ocean waveguides. Journal of the Acoustical Society of America, v.97, no.4, 1995. pp.2199-2209

SCHNEIDER, NIKLAS (with Tim P. Barnett). The competition of freshwater and radiation in forcing the ocean during El Nino. Journal of Climate, v.8, no.5, 1995. pp.980-992

SHAPIRO, V. D. (with G. I. Soloviev, J. M. Dawson, and R. Bingham). Lower hybrid dissipative cavitons and ion heating in the auroral ionosphere. Physics of Plasmas, v.2, no.2, 1995. pp.516-526

SHAPIRO, V. D. (with P. H. Diamond, V. B. Lebedev, G. I. Soloviev, and A. V. Gruzinov). On the generation of structured shear flow patterns by modulational interactions in drift wave turbulence. Comments on Plasma Physics and Controlled Fusion. v.16, no.3, 1995. pp.155-166

SHAPIRO, V. D. (with K. Szego, S. K. Ride, A. F. Nagy, and V. I. Shevchenko). On the interaction between the shocked solar wind and the planetary ions on the dayside of Venus. Journal of Geophysical Research, v.100, no.A11, 1995. pp.21,289-21,305

SHAW, A. (with P. A. G. Fortes, C. David Stout, and Victor D. Vacquier). Crystal structure and subunit dynamics of the abalone sperm lysin dimer: Egg envelopes dissociate dimers, the monomer is the active species. Journal of Cell Biology, v.130, no.5, 1995. pp.1117-1125

SHEARER, PETER M. Seismic studies of the upper mantle and transition zone. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 1. Washington, D.C., American Geophysical Union, 1995. pp.321-324

SHERMAN, JEFFREY T. (with Russ E. Davis). Observations of temperature microstructure on NATRE. Journal of Physical Oceanography, v.25, no.9, 1995. pp.1913-1929

SHEVCHENKO, V. I. (with V. D. Shapiro, S. K. Ride and M. Baine). Upstream wave activity at comet P/Grigg-Skjellerup. Journal of Geophysical Research, v.100, no.A2, 1995. pp.1735-1744

SIMPSON, JAMES J. (with Jason I. Gobat). Improved cloud detection in GOES scenes over land. Remote Sensing of Environment, v.52, 1995. pp.36-54

SIMPSON, JAMES J. (with Jason I. Gobat). Improved cloud detection in GOES scenes over the oceans. Remote Sensing of Environment, v.52, 1995. pp.79-94

SIMPSON, JAMES J. (with Jason I. Gobat and Robert Frouin). Improved destriping of GOES images using finite impulse response filters. Remote Sensing of Environment, v.52, 1995. pp.15-35

SIMPSON, JAMES J. Remote sensing in fisheries: A tool for better management in the utilization of a renewable resource. Canadian Journal of Fisheries and Aquatic Sciences, v.51, 1994. pp.743-771

SMITH, DAVID C. (with Grieg F. Steward, Richard A. Long, and Farooq Azam). Bacterial mediation of carbon fluxes during a diatom bloom in a mesocosm. Deep- Sea Research II, v.42, no.1, 1995. pp.75-97

SMITH, JEROME A. (with Gregory T. Bullard). Directional surface wave estimates from Doppler sonar data. Journal of Atmospheric and Oceanic Technology, v.12, no.3, 1995. pp.617-632

SMITH, RAYMOND C. (with J. J. Cullen). Effects of UV radiation on phytoplankton. In: Reviews of Geophysics, Supplement to Volume 33, 1995. U.S. National Report to International Union of Geodesy and Geophysics 1991-1994, Part 2. Washington, D.C., American Geophysical Union, 1995. pp.1211-1223 (with Karen S. Baker, William R. Fraser, Eileen E. Hofmann, David M. Karl, John M. Klinck, Langdon B. Quetin, Barbara B. Prezelin, Robin M. Ross, Wayne Z. Trivelpiece, and M. Vernet). The Palmer LTER: A long-term ecological research program at Palmer Station, Antarctica. Oceanography, v.8, no.3, 1995. pp.77-87

SOHN, ROBERT A. (with John A. Hildebrand, Spahr Webb, and Christopher G. Fox). Hydrothermal microseismicity at the megaplume site on the southern Juan de Fuca Ridge. Bulletin of the Seismological Society of America, v.85, no.3, 1995. pp.775-786

SOSIK, HEIDI M. (with B. G. Mitchell). Effects of temperature on growth, light absorption, and quantum yield in Dunaliella tertiolecta (Chlorophyceae). Journal of Phycology, v.30, 1994. pp.833-840

SPRINTALL, JANET (with Dean Roemmich, Basil Stanton, and Richard Bailey). Regional climate variability and ocean heat transport in the southwest Pacific Ocean. Journal of Geophysical Research, v.100, no.C8, 1995. pp.15,865-15,871

SUGARMAN, PETER J. (with Kenneth G. Miller, David Bukry, and Mark D. Feigenson). Uppermost Campanian-Maestrichtian strontium isotopic, biostratigraphic, and sequence stratigraphic framework of the New Jersey Coastal Plain. Geological Society of America Bulletin, v.107, no.1, 1995. pp.19-37

SWANSON, WILLIE J. (with Victor D. Vacquier). Extraordinary divergence and positive Darwinian selection in a fusagenic protein coating the acrosomal process of abalone spermatozoa. Proceedings of the National Academy of Sciences of the United States of America, v.92, 1995. pp.4957-4961

SWANSON, WILLIE J. (with Victor D. Vacquier). Liposome fusion induced by a Mr 18 000 protein localized to the acrosomal region of acrosome-reacted abalone spermatozoa. Biochemistry, v.34, 1995. pp.14,202-14,208

SZEGO, K. (with V. D. Shapiro, S. K. Ride, A. F. Nagy, and V. I. Shevchenko). The sheath/ionosphere boundary layer at Venus. Advances in Space Research, v.16, no.4, 1995. pp.(4)71-(4)74

TEBO, BRADLEY M. Metal precipitation by marine bacteria: Potential for biotechnological applications. In: Genetic Engineering, Principles and Methods, v.17, edited by Jane K. Setlow. New York, Plenum Press, 1995. pp.231-263

TEGNER, MIA J. (with Paul K. Dayton, Peter B. Edwards, K. L. Riser, D. B. Chadwick, T. A. Dean, and L. Deysher). Effects of a large sewage spill on a kelp forest community: Catastrophe or disturbance? Marine Environmental Research, v.40, no.2, 1995. pp.181-224

TEGNER, MIA J. (with Paul K. Dayton, Peter B. Edwards, and K. L. Riser). Sea urchin cavitation of giant kelp (Macrocystis pyrifera C. Agardh). holdfasts and its effects on kelp mortality across a large California forest. Journal of Experimental Marine Biology and Ecology, v.191, 1995. pp.83-99

THOMAS, WILLIAM H. (with M. Vernet arl H. Gibson). Effects of small-scale turbulence on photosynthesis, pigmentation, cell division, and cell size in the marine dinoflagellate Gonyaulax polyedra (Dinophyceae). Journal of Phycology, v.31, 1995. pp.50-59

THOMAS, WILLIAM H. (with Brian Duval). Sierra Nevada, California, U.S.A., snow algae: Snow albedo changes, algal-bacterial interrelationships, and ultraviolet radiation effects. Arctic and Alpine Research, v.27, no.4, 1995. pp.389-399

THOMPSON, ERIC M. (with Pierre Adenot, Frederick I. Tsuji, and Jean-Paul Renard). Real time imaging of transcriptional activity in live mouse preimplantation embryos using a secreted luciferase. Proceedings of the National Academy of Sciences of the United States of America, v.92, 1995. pp.1317-1321

THUNELL, R. C. (with P. Graham Mortyn). Glacial climate instability in the Northeast Pacific Ocean. Nature, v.376, 1995. pp.504-506

TOSKE, STEVEN G. (with William Fenical). Cyclodidemnamide: A new cyclic heptapeptide from the marine ascidian Didemnum molle. Tetrahedron Letters, v.36, no.46, 1995. pp.8355-8358

TOSKE, STEVEN G. (with Paul R. Jensen, Christopher A. Kauffman, and William Fenical). Elijopyrones A-D: New à-pyrones from a marine actinomycete. Natural Product Letters, v.6, 1995. pp.303-308

TOURRE, YVES M. (with Warren B. White). ENSO signals in global upper-ocean temperature. Journal of Physical Oceanography, v.25, no.6, pt.1, 1995. pp.1317- 1332

TSUJI, FREDERICK I. (with Yoshihiro Ohmiya, Thomas F. Fagan, Hiroyuki Toh, and Satoshi Inouye). Molecular evolution of the Ca2+-binding photoproteins of the hydrozoa. Photochemistry and Photobiology, v.62, no.4, 1995. pp.657-661

VENRICK, Elizabeth L. Muestreo y submuestreo del fitoplancton marino y dulceacuicola. In: Manual de Metodos Ficologicos, edited by Krisler Alveal, Martha E. Ferrario, Eurico C. Oliveira, and Eugenia Sar. Concepcion, Chile, Universidad de Concepcion, 1995. pp.199-218

VERNONCLARK, RUSSELL N. (with Edward D. Goldberg and Kathe K. Bertine). Organic and inorganic characterization of marine colloids. Chemistry and Ecology, v.11, 1995. pp.69-83

VERVOORT, HELENE (with William Fenical). Antibacterial diterpenoids from an undescribed soft-coral of the genus Xenia. Natural Product Letters, v.6, 1995. pp.49-55

VILLAFANE, VIRGINIA E. (with Freda M. H. Reid). Metodos de Microscopia para la cuantificacion del fitoplancton. In: Manual de Metodos Ficologicos, edited by Krisler Alveal, Martha E. Ferrario, Eurico C. Oliveira, and Eugenia Sar. Concepcion, Chile, Universidad de Concepcion, 1995. pp.169-185

WANG, CHIEN (with P. J. Crutzen, V. Ramanathan, and Steven F. Williams). The role of a deep convective storm over the tropical Pacific Ocean in the redistribution of atmospheric chemical species. Journal of Geophysical Research, v.100, no.D6, 1995. pp.11,509-11,516

WEAVER, C. P. (with V. Ramanathan). Deductions from a simple climate model: Factors governing surface temperature and atmospheric thermal structure. Journal of Geophysical Research, v.100, no.D6, 1995. pp.11,585-11,591

WHITE, WARREN B. (with Chang-Kou Tai). Inferring interannual changes in global upper ocean heat storage from TOPEX altimetry. Journal of Geophysical Research, v.100, no.C12, 1995. pp.24,943-24,954

WICHT, HELMUT (with R. Glenn Northcutt). Ontogeny of the head of the Pacific hagfish (Eptatretus stouti, Myxinoidea): Development of the lateral line system. Philosophical Transactions of the Royal Society of London B, v.349, 1995. pp.119-134

WING, STEPHEN R. (with John L. Largier, Louis W. Botsford, and James F. Quinn). Settlement and transport of benthic invertebrates in an intermittent upwelling region. Limnology and Oceanography, v.40, no.2, 1995. pp.316-329

WINN, CHRISTOPHER D. (with Andrew G. Dickson). Global survey continues to yield high-quality CO2 data from Indian Ocean. U.S. JGOFS News, v.6, no.4, 1995. p.6

WINTERER, E. L. (with Robert J. van Waasbergen, Jacqueline Mammerickx, and Steven Stuart). Karst morphology and diagenesis of the top of Albian limestone platforms, Mid-Pacific Mountains. In: Proceedings of the Ocean Drilling Program, Scientific Results, Northwest Pacific Atolls and Guyots, v.143, edited by E. L. Winterer, W. W. Sager, J. V. Firth, and J. M. Sinton. College Station, TX., Ocean Drilling Program, Texas A&M University, 1995. pp.433-470

WINTERER, E. L. (with William W. Sager). Synthesis of drilling results from the Mid-Pacific Mountains: Regional context and implications. In: Proceedings of the Ocean Drilling Program, Scientific Results, Northwest Pacific Atolls and Guyots, v.143, edited by E. L. Winterer, W. W. Sager, J. V. Firth, and J. M. Sinton. College Station, TX., Ocean Drilling Program, Texas A&M University, 1995. pp.497-535

WISNER, ROBERT L. (with Charmion B. McMillan). Review of new world hagfishes of the genus Myxine (Agnatha, Myxinidae). with descriptions of nine new species. Fishery Bulletin, v.93, 1995. pp.530-550

WORCESTER, PETER F. (with Kevin R. Hardy, David Horwitt, and Douglas A. Peckham). A deep ocean data recovery module. In: Oceans '95, "Challenges of Our Changing Global Environment", Conference Proceedings, October 9-12, 1995, San Diego, California, MTS/IEEE, [OES]. Piscataway, NJ, Institute of Electrical and Electronics Engineers, 1995. pp.1225-1231

WORCESTER, PETER F (with J. F. Lynch, W. M. L. Morawitz, R. Pawlowicz, P. J. Sutton, and B. Cornuelle). Evolution of the large-scale temperature field in the Greenland Sea during 1988-89 from tomographic measurements. In: Symposium "Nordic Seas" on the Results from Greenland Sea Project (GSP), Hamburg, March 7- 9, 1995. Arctic Ocean Sciences Board and Sonderforschungsbereich "Processes Relavant[sic] to Climate". Extended Abstracts. Hamburg, Universitat Hamburg, 1995. pp.219-222

WU, CHONG-KUNG (with Jian-Hwa Hu, Warren B. White, and David Cutchin). The volume transport of the North Equatorial Current in the western North Pacific between 14N and 20N. Acta Oceanographica Taiwanica, v.34, no.2, 1995. pp.1-16

YHANN, STEPHAN R. (with James J. Simpson). Application of neural networks to AVHRR cloud segmentation. IEEE Transactions on Geoscience and Remote Sensing, v.33, no.3, 1995. pp.590-604

ZHANG, GUANG JUN (with V. Ramanathan and M. J. McPhaden). Convection-evaporation feedback in the equatorial Pacific. Journal of Climate, v.8, 1995. pp.3040-3051

ZHANG, GUANG JUN (with M. J. McPhaden). The relationship between sea surface temperature and latent heat flux in the equatorial Pacific. Journal of Climate, v.8, no.3, 1995. pp.589-605

ZHANG, GUANG JUN The sensitivity of surface energy balance to convective parameterization in a general circulation model. Journal of the Atmospheric Sciences, v.52, no.9, 1995. pp.1370-1382

AKSNES, DAG L. (with J. Blindheim). Circulation patterns in the North Atlantic and possible impact on population dynamics of Calanus finmarchicus. Ophelia, v.44, 1996. pp.7-28

AKSNES, DAG L. Natural mortality, fecundity and development time in marine planktonic copepods implications of behaviour. Marine Ecology Progress Series, v.131, 1996. pp.315-316

AKSNES, DAG L. (with Mark D. Ohman). A vertical life table approach to zooplankton mortality estimation. Limnology and Oceanography, v.41, no.7, 1996. pp.1461-1469

AMEMIYA, FUMIAKI (with R. Glenn Northcutt). Afferent and efferent connections of the central prosencephalic nucleus in the Pacific hagfish. Brain, Behavior and Evolution, v.47, 1996. pp.149-155

ARRHENIUS, GUSTAF (with S. Mojzsis). Extraterrestrial life: Life on Mars - then and now. Current Biology, v.6, no.10, 1996. pp.1213-1216

ASTIZ, LUCIANA (with Paul S. Earle and P. M. Shearer). Global stacking of broadband seismograms. Seismological Research Letters, v.67, no.4, 1996. pp.8- 18

BACASTOW, ROBERT The effect of temperature change of the warm surface waters of the oceans on atmospheric CO2. Global Biogeochemical Cycles, v.10, no.2, 1996. pp.319-333

BACASTOW, ROBERT (with Richard K. Dewey). Effectiveness of CO2 sequestration in the post-industrial ocean. Energy Conversion and Management, v.37, nos.6-8, 1996. pp.1079-1086

BACASTOW, ROBERT (with Charles D. Keeling, Timothy J. Lueker, M. Wahlen, and Willem G. Mook). The 13C Suess effect in the world surface oceans and its implications for oceanic uptake of CO2: Analysis of observations at Bermuda. Global Biogeochemical Cycles, v.10, no.2, 1996. pp.335-346

BACKUS, GEORGE E. Trimming and procrastination as inversion techniques. Physics of the Earth and Planetary Interiors, v.98, 1996. pp.101-142

BAKER, KAREN S. Development of Palmer Long-Term Ecological Research information management. In: Proceedings of Eco-Informa '96, Global Networks for Environmental Information. Ann Arbor, Michigan, Environmental Research Institute of Michigan, 1996. pp.725-730

BARLOW, LINDA (with Chi-Bin Chien and R. Glenn Northcutt). Embryonic taste buds develop in the absence of innervation. Development, v.122, 1996. pp.1103-1111

BERGER, JON (with D. Agnew). Seismographs. In: Encyclopedia of Applied Physics, v.17, edited by George L. Trigg; associate editors, Eduardo S. Vera and Walter Greulich. New York, VCH Publishers, Inc., 1996. pp.139-154

BERGER, WOLFGANG H. An algorithm for reconstruction of atmospheric CO2 from deepsea sediments. Naturwissenschaften, v.83, 1996. pp.519-522

BERGER, WOLFGANG H. (with T. Bickert, M. K. Yasuda, and G. Wefer). Reconstruction of atmospheric CO2 from ice-core data and the deep-sea record of Ontong Java plateau: The Milankovitch chron. Geologische Rundschau, v.85, 1996. pp.466-495

BERTINE, KATHE K. (with Minoru Koide and Edward D. Goldberg). Comparative marine chemistries of some trivalent metal bismuth, rhodium and rare earth elements. Marine Chemistry, v.53, 1996. pp.89-100

BEWLEY, CAROLE A. (with Haiyin He, David H. Williams, and D. John Faulkner). Aciculitins A C: Cytotoxic and antifungal cyclic peptides from the lithistid sponge Aciculites orientalis. Journal of the American Chemical Society, v.118, no.18, 1996. pp.4314-4321

BEWLEY, CAROLE A. (with D. John Faulkner). Theonegramide, an antifungal glycopeptide from the Philippine lithistid sponge Theonella swinhoei. Journal of Organic Chemistry, v.59, 1994. pp.4849-4852

BEWLEY, CAROLE A. (with N. D. Holland and D. John Faulkner). Two classes of metabolites from Theonella swinhoei are localized in distinct populations of bacterial symbionts. Experientia, v.52, 1996. pp.716-722

BIONDI, FRANCO Decadal-scale dynamics at the Gus Pearson Natural Area: Evidence for inverse (a)symmetric competition? Canadian Journal of Forest Research, v.26, 1996. pp.1397-1406

BIONDI, FRANCO (with Simona Visani). Recent developments in the analysis of an Italian tree-ring network with emphasis on European beech (Fagus Sylvatica L.). In: Tree Rings, Environment and Humanity, Proceedings of the International Conference, Tucson, Arizona, 17-21 May 1994, edited by Jeffrey S. Dean, David M. Meko, and Thomas W. Swetnam. Tucson, Arizona, Radiocarbon, Department of Geosciences, University of Arizona, 1996. pp.713-725

BLACKMAN, DONNA K. (with J. -M. Kendall, Paul R. Dawson, H. -Rudolgh Wenk, Donald Boyce, and Jason Phipps-Morgan). Teleseismic imaging of subaxial flow at mid-ocean ridges: Travel-time effects of anisotropic mineral texture in the mantle. Geophysical Journal International, v.127, 1996. pp.415-426

BLOOMER, SHERMAN H. (with James H. Natland and Robert L. Fisher). Mineral relationships in gabbroic rocks from fracture zones of Indian Ocean ridges: Evidence for extensive fractionation, parental diversity and boundary-layer recrystallization. In: Magmatism in the Ocean Basins. Geological Society Special Publication No.42, edited by A. D. Saunders and M. J. Norry. Oxford, Published for the Geological Society by Blackwell Scientific Publications, 1989. pp.107- 124

BOER, E. (with S. Williams). CEPEX data management. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.97-102

BOYD, KENNETH G. (with Mary Kay Harper and D. John Faulkner). Oceanapamine, a sesquiterpene alkaloid from the Philippine sponge Oceanapia sp. Journal of Natural Products, v.58, no.2, 1995. pp.302-305

BRADNER, HUGH (with E. Alison Kay). An atlas of cowrie radulae (Mollusca: Gastropoda: Cypraeoidea: Cypraeoidea). The Festivus, V.28, Supplement, 1996. 179p

BRAY, N. A. (with Susan L. Hautala, Jackson Chong, and John Pariwono). Large- scale sea level, thermocline, and wind variations in the Indonesian throughflow region. Journal of Geophysical Research, v.101, no.C5, 1996. pp.12,239-12,254

BUCKINGHAM, MICHAEL J. (with Milton A. Garces). Canonical model of volcano acoustics. Journal of Geophysical Research, v.101, no.B4, 1996. pp.8129-8151

BUCKINGHAM, MICHAEL J. (with John Potter and Chad L. Epifanio). Seeing underwater with background noise. Scientific American, v.274, no.2, 1996. pp.40-44

BUTLER, JOHN L. (with Maria L. Granados G., J. Thomas Barnes, Marci Yaremko, and Beverly J. Macewicz). Age composition, growth, and maturation of the Pacific sardine (Sardinops sagax). during 1994. California Cooperative Oceanic Fisheries Investigations Reports, v.37, 1996. pp.152-159

BUTLER, JOHN L. (with Katherine A. Dahlin and H. Geoffrey Moser). Growth and duration of the planktonic phase and a stage based population matrix of Dover sole, Microstomus pacificus. Bulletin of Marine Science, v.58, no.1, 1996. pp.29-43

BYRNE, R. N. (with Richard C. J. Somerville and B. Subasilar). Broken-cloud enhancement of solar radiation absorption. Journal of the Atmospheric Sciences, v.53, no.6, 1996. pp.878-886

CALAIS, ERIC (with J. Bernard Minster). GPS detection of ionospheric perturbations following a Space Shuttle ascent. Geophysical Research Letters, v.23, no.15, 1996. pp.1897-1900

CANUTESON, ERIC L. (with Mark A. Zumberge). Fiber-optic extrinsic Fabry Perot vibration-isolated interferometer for use in absolute gravity meters. Applied Optics, v.35, no.19, 1996. pp.3500-3505

CASPI, RON (with Margo G. Haygood and Bradley M. Tebo). Unusual ribulose- 1,5- bisphosphate carboxylase/oxygenase genes from a marine manganese-oxidizing bacterium. Microbiology, v.142, 1996. pp.2549-2559

CAYAN, DANIEL R. Interannual climate variability and snowpack in the western United States. Journal of Climate, v.9, no.5, 1996. pp.928-948

CAYAN, DANIEL R. (with Arthur J. Miller, Tim P. Barnett, Nicholas E. Graham, J. N. Ritchie, and Josef M. Oberhuber). Seasonal-to-interannual fluctuations in surface temperature over the Pacific: Effects of monthly winds and heat fluxes. In: Natural Climate Variability on Decade-to-Century Time Scales, Climate Research Committee, Board on Atmospheric Sciences and Climate, Commission on Geosciences, Environment, and Resources, and National Research Council. Washington, D.C., National Academy Press, 1995. pp.133-150

CERDA-GARCIA-ROJAS, CARLOS M. (with D. John Faulkner). Cyclic hemiketals from the sponge Raspailia (Raspaxilla). sp. Tetrahedron, v.51, no.4, 1995. pp.1087-1092

CERDA-GARCIA-ROJAS, CARLOS M. (with Mary Kay Harper and D. John Faulkner). Unstable enol sulfates from a two-sponge association. Journal of Natural Products, v.57, no.12, 1994. pp.1758-1761

CESSI, PAOLA Convective adjustment and thermohaline excitability. Journal of Physical Oceanography, v.26, no.4, 1996. pp.481-491

CESSI, PAOLA Grid-scale instability of convective-adjustment schemes. Journal of Marine Research, v.54, no.3, 1996. pp.407-420

CESSI, PAOLA (with W. R. Young). Some unexpected consequences of the interaction between convective adjustment and horizontal diffusion. Physica D, v.98, 1996. pp.287-300

CHEN, SHYH-CHIN (with Charles L. Norris and John Owen Roads). Balancing the atmospheric hydrologic budget. Journal of Geophysical Research, v.101, no.D3, 1996. pp.7341-7358

CLARKE, A. D. (with J. N. Porter, Francisco P. J. Valero, and P. Pilewskie). Vertical profiles, aerosol microphysics, and optical closure during the Atlantic Stratocumulus Transition Experiment: Measured and modeled column optical properties. Journal of Geophysical Research, v.101, no.D2, 1996. pp.4443-4453

COLLINS, WILLIAM (with V. Ramanathan, P. J. Crutzen, A. Heymsfield, J. P. Kuettner, D. Kley, and R. L. Grossman). The Central Equatorial Pacific Experiment. In: Clouds, Chemistry and Climate. NATO ASI Series I: Global Environmental Change, v.35, edited by Paul J. Crutzen and Veerabhadran Ramanathan. Berlin, Springer-Verlag, 1996. pp.135-151

COLLINS, WILLIAM (with A. Heymsfield, Dan Lubin, P. Pielewski[sic], Francisco P. J. Valero, and C. Weaver). Radiation and microphysics. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of

the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.31-51

COLLINS, WILLIAM (with Francisco P. J. Valero, Piotr J. Flatau, Dan Lubin, H. Grassl, and P. Pilewskie). Radiative effects of convection in the tropical Pacific. Journal of Geophysical Research, v.101, no.D10, 1996. pp.14,999-15,012

COLLINS, WILLIAM (with Guang Jun Zhang and V. Ramanathan). Summary of heat budget and feedback terms. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.77-91

COMPAGNONE, REINALDO S. (with D. John Faulkner). Metabolites of the Palauan sponge Axinyssa aplysinoides. Journal of Natural Products, v.58, no.1, 1995. pp.145-148

COMPAGNONE, REINALDO S. (with D. John Faulkner, Brad Carte, George W. Chan, Alan Freyer, Mark E. Hemling, Glenn A. Hofmann, and Michael R. Mattern). Pentathiepins and trithianes from two Lissoclinum species and a Eudistoma sp.: Inhibitors of protein kinase C. Tetrahedron, v.50, no.45, 1994. pp.12,785-12,792

CONSTABLE, CATHERINE G. (with Lisa Tauxe). Towards absolute calibration of sedimentary paleointensity records. Earth and Planetary Science Letters, v.143, 1996. pp.269-274

CORNUELLE, B. (with Peter F. Worcester). Ocean acoustic tomography: Integral data and ocean models. In: Modern Approaches to Data Assimilation in Ocean Modeling. Elsevier Oceanography Series, no.61, edited by P. Malanotte-Rizzoli. Amsterdam, Elsevier Science, 1996. pp.97-115

CRAIG, HARMON (with R. Wiens). Gravitational enrichment of 84Kr/36Ar ratios in polar ice caps: A measure of firn thickness and accumulation temperature. Science, v.271, 1996. pp.1708-1710

CURRAY, JOSEPH R. Origin of beach ridges: Comment on Tanner, W. F., 1995. Origin of beach ridges and swales. Mar. Geol., 129:149-161. Marine Geology, v.136, 1996. pp.121-125

DIAZ, HENRY F. (with Nicholas E. Graham). Recent changes in tropical freezing heights and the role of sea surface temperature. Nature, v.383, 1996. pp.152-155

DICKENS, J. E. (with W. M. Irvine, M. Ohishi, Gustaf Arrhenius, S. Pitsch, A. Bauder, F. Muller, and A. Eschenmoser). A search for interstellar oxiranecarbonitrile (C3H3NO). Origins of Life and Evolution of the Biosphere, v.26, 1996. pp.97-110

EISTHEN, HEATHER L. (with R. Glenn Northcutt). Silver lampreys (Ichthyomyzon unicuspis). lack a gonadotropin-releasing hormone-and FMRFamide-immunoreactive terminal nerve. Journal of Comparative Neurology, v.370, 1996. pp.159-172

FAULKNER, D. JOHN Chemical riches from the oceans. Chemistry in Britain, V.31, no.9, 1995. pp.680-684

FAULKNER, D. JOHN (with Mia D. Unson and Carole A. Bewley). The chemistry of some sponges and their symbionts. Pure and Applied Chemistry, v.66, no.10/11, 1994. pp.1983-1990

FEDOROV, ALEXEY V. (W. K. Melville). Hydraulic jumps at boundaries in rotating fluids. Journal of Fluid Mechanics, v.324, 1996. pp.55-82

FENICAL, WILLIAM Marine biodiversity and the medicine cabinet: The status of new drugs from marine organisms. Oceanography, v.9, no.1, 1996. pp.23-27

FLAMENT, PIERRE (with Sean C. Kennan, Robert Knox, Pearn P. Niiler, and Robert L. Bernstein). The three-dimensional structure of an upper ocean vortex in the tropical Pacific Ocean. Nature, v.383, 1996. pp.610-613

FRANKS, PETER J. S. (with Changsheng Chen). Plankton production in tidal fronts: A model of Georges Bank in summer. Journal of Marine Research, v.54, 1996. pp.631-651

FRASER, P. J. (with D. M. Cunnold, F. N. Alyea, Ray F. Weiss, R. G. Prinn, P. G. Simmonds, B. R. Miller, and R. Langenfelds). Lifetime and emission estimates of 1,1,2-trichlorotrifluorethane (CFC-113). from daily global background observations June 1982-June 1994. Journal of Geophysical Research, v.101, no.D7, 1996. pp.12,585-12,599

FROUIN, ROBERT (with Myriam Schwindling and Pierre-Yves Deschamps). Spectral reflectance of sea foam in the visible and near-infrared: In situ measurements and remote sensing implications. Journal of Geophysical Research, v.101, no.C6, 1996. pp.14,361-14,371

GALLAGHER, EDITH L. (with William Boyd, Steve Elgar, Robert T. Guza, and Brian Woodward). Performance of a sonar altimeter in the nearshore. Marine Geology, v.133, 1996. pp.241-248

GEORGAKAKOS, KONSTANTINE P. (with Deg-Hyo Bae and Daniel R. Cayan). Hydroclimatology of continental watersheds. 1. Temporal analyses. Water Resources Research, v.31, no.3, 1995. pp.655-675

GEORGAKAKOS, KONSTANTINE P. (with Otto W. Baumer). Measurement and utilization of on-site soil moisture data. Journal of Hydrology, v.184, 1996. pp.131-152

GEORGAKAKOS, KONSTANTINE P. (with Witold F. Krajewski). Statistical-microphysical causes of rainfall variability in the tropics. Journal of Geophysical Research, v.101, no.D21, 1996. pp.26,165-26,180

GEORGE, RON (with John L. Largier). Description and performance of finescale drifters for coastal and estuarine studies. Journal of Atmospheric and Oceanic Technology, v.13, no.6, 1996. pp.1322-1326

GILLE, SARAH T. (with Kathryn A. Kelly). Scales of spatial and temporal variability in the Southern Ocean. Journal of Geophysical Research, v.101, no.C4, 1996. pp.8759-8773

GOLDBERG, EDWARD D. Challenges to coastal ocean water quality. In: Proceedings of the 1st International Symposium on C. R. C., Exploitation and Preservation of Tidal Flat, (1994), edited by M. S. Choi. Kunsan, Korea, Kunsan National University, 1996. pp.15-18

GOSLINE, JOHN M. (with R. E. Shadwick). The mechanical properties of fin whale arteries are explained by novel connective tissue designs. Journal of Experimental Biology, v.199, 1996. pp.985-997

GRAHAM, MICHAEL H. Effect of high irradiance on recruitment of the giant kelp Macrocystis (Phaeophyta) in shallow water. Journal of Phycology, v.32, 1996. pp.903-906

GRAHAM, NICHOLAS E. (with Tim P. Barnett). ENSO and ENSO-related predictability. Part II: Northern Hemisphere 700-mb height predictions based on a hybrid coupled ENSO model. Journal of Climate, v.8, no.3, 1995. pp.544-549

GRAHAM, NICHOLAS E. Simulation of recent global temperature trends. Science, v.267, 1995. pp.666-671

GRAZIANI, EDMUND I. (with Raymond J. Andersen, Patrick J. Krug, and D. John Faulkner). Stable isotope incorporation evidence for the de novo biosynthesis of terpenoic acid glycerides by dorid nudibranchs. Tetrahedron, v.52, no.20, 1996. pp.6869-6878

GU, Z. Y. (with D. Lal, T. S. Liu, J. Southon, M. W. Caffee, Z. T. Guo, and M. Y. Chen). Five million year 10Be record in Chinese loess and red-clay: Climate and weathering relationships. Earth and Planetary Science Letters, v.144, 1996. pp.273-287

GUETTER, ALEXANDRE K. (with Konstantine P. Georgakakos and Anastasios A. Tsonis). Hydrologic applications of satellite data: 2. Flow simulation and soil water estimates. Journal of Geophysical Research, v.101, no.D21, 1996. pp.26,527- 26,538

GUKOVSKAYA, ANNA S. (with Penny Sue Perkins, Vjekoslav Zaninovic, Diana Sandoval, Robin Rutherford, Tim Fitzsimmons, Stephen J. Pandol, and Siria Poucell- Hatton). Mechanisms of cell death after pancreatic duct obstruction in the opossum and the rat. Gastroenterology, v.110, 1996. pp.875-884

HANSON, JEFF A. (with Holly K. Given and Jon Berger). Earthquake activity near Ascension Island, South Atlantic Ocean, as seen by a combined seismic/hydrophone array. Geothermics, v.25, no.4/5, 1996. pp.507-519

HARDT, INGO H. (with William Fenical, Greg Cronin, and Mark E. Hay). Acutilols, potent herbivore feeding deterrents from the tropical brown alga, Dictyota acutiloba. Phytochemistry, v.43, no.1, 1996. pp.71-73

HART, R. H. G. (with Michael Gladwin, R. L. Gwyther, D. Agnew, and Frank Wyatt). Tidal calibration of borehole strain meters: Removing the effects of small- scale inhomogeneity. Journal of Geophysical Research, v.101, no.B11, 1996. pp.25,553-25,571

HAUTALA, SUSAN L. (with Joseph L. Reid and N. A. Bray). The distribution and mixing of Pacific water masses in the Indonesian Seas. Journal of Geophysical Research, v.101, no.C5, 1996. pp.12,375-12,389

HAY, MARK E. (with William Fenical). Chemical ecology and marine biodiversity: Insights and products from the sea. Oceanography, v.9, no.1, 1996. pp.10-20

HAYGOOD, MARGO G. The potential role of functional differences between Rubisco forms in governing expression in chemoautotrophic symbioses. Limnology and Oceanography, v.41, no.2, 1996. pp.370-371

HAYWARD, THOMAS L. Long-term change in the North Pacific Ocean: A consideration of some important issues. California Cooperative Oceanic Fisheries Investigations Reports, v.37, 1996. pp.41-44

HAYWARD, THOMAS L. (with Sherry L. Cummings, Daniel R. Cayan, Francisco P. Chavez, Ronald J. Lynn, Arnold W. Mantyla, Pearn P. Niiler, Franklin B. Schwing, Richard R. Veit, and Elizabeth L. Venrick). The state of the California Current in 1995-1996: Continuing declines in macrozooplankton biomass during a period of nearly normal circulation. California Cooperative Oceanic Fisheries Investigations Reports, v.37, 1996. pp.22-37

HERBERS, T. H. C. (with Steve Elgar and Robert T. Guza). Generation and propagation of infragravity waves. Journal of Geophysical Research, v.100, no.C12, 1995. pp.24,863-24,872

HILDEBRAND, JOHN A. (with Melissa B. Hagstrum). Observing subsistence change in native southern California: The late prehistoric Kumeyaay. Research in Economic Anthropology, v.16, 1995. pp.85-127

HILTON, DAVID R. The helium and carbon isotope systematics of a continental geothermal system: Results from monitoring studies at Long Valley caldera (California, U.S.A.). Chemical Geology, v.127, 1996. pp.269-295

HIROSE, EUICHI (with Tadashi Maruyama, Lanna Cheng, and Ralph A. Lewin). Intracellular symbiosis of a photosynthetic prokaryote, Prochloron sp., in a colonial ascidian. Invertebrate Biology, v.115, no.4, 1996. pp.343-348

HOLDSWORTH, G. (with K. Higuchi, G. A. Zielinski, P. Mayewski, M. Wahlen, B. Deck, P. Chylek, B. Johnson, and P. Damiano). Historical biomass burning: Late 19th century pioneer agriculture revolution in northern hemisphere ice core data and its atmospheric interpretation. Journal of Geophysical Research, v.101, no.D18, 1996. pp.23,317-23,334

HSU, KENNETH J. (with Pan Guitang, A. M. C. Sengor, Ueli Briegel, Chen Haihong, Chen Changhua, Nigel Harris, Peter Hsu, Li Jiliang, Luo Jianning, Typhon Lee, Z. X. Li, Chiayu Lu, Chris Powell, Wang Qingchen, and E. L. Winterer). Tectonic evolution of the Tibetan Plateau: A working hypothesis based on the archipelago model of orogenesis. International Geology Review, v.37, 1995. pp.473-508

HUNT, E. RAYMOND, JR. (with S. C. Piper, Ramakrishna Nemani, Charles D. Keeling, Ralf D. Otto, and Steven W. Running). Global net carbon exchange and intra-annual atmospheric CO2 concentrations predicted by an ecosystem process model and three-dimensional atmospheric transport model. Global Biogeochemical Cycles, v.10, no.3, 1996. pp.431-456

HUSSENOEDER, STEFAN A. (with John A. Collins, G. M. Kent, R. S. Detrick, and the TERA Group). Seismic analysis of the axial magma chamber reflector along the southern East Pacific Rise from conventional reflection profiling. Journal of Geophysical Research, v.101, no.B10, 1996. pp.22,087-22,105

JAFFE, JULES S. Temporal sampling of backscattered sonar signals. ICES Journal of Marine Science, v.53, 1996. pp.359-361

JENSEN, PAUL R. (with C. D. Harvell, K. Wirtz, and William Fenical). Antimicrobial activity of extracts of Caribbean gorgonian corals. Marine Biology, v.125, 1996. pp.411-419

JENSEN, PAUL R. (with C. A. Kauffman and William Fenical). High recovery of culturable bacteria from the surfaces of marine algae. Marine Biology, v.126, 1996. pp.1-7

JOHNSON, CATHERINE L. (with Catherine G. Constable). Palaeosecular variation recorded by lava flows over the past five million years. Philosophical Transactions of the Royal Society of London A, v.354, 1996. pp.89-141

JUHL, ANDREW R. (with Mark D. Ohman and Ralf Goericke). Astaxanthin in Calanus pacificus: Assessment of pigment-based measures of omnivory. Limnology and Oceanography, v.41, no.6, 1996. pp.1198-1207

KANG, HEONJOONG (with Paul R. Jensen and William Fenical). Isolation of microbial antibiotics from a marine ascidian of the genus Didemnum. Journal of Organic Chemistry, v.61, 1996. pp.1543-1546

KANG, HEONJOONG (with William Fenical). New isoeudistomin class dihydro-B- carbolines from an undescribed ascidian of the genus Eudistoma. Natural Product Letters, v.9, 1996. pp.7-12

KANG, HEONJOONG (with William Fenical). Polycarpine dihydrochloride: A cytotoxic dimeric disulfide alkaloid from the Indian Ocean ascidian Polycarpa clavata. Tetrahedron Letters, v.37, no.14, 1996. pp.2369-2372

KEELING, CHARLES D. (with T. P. Whorf). Decadal oscillations in global temperature and atmospheric carbon dioxide. In: Natural Climate Variability on Decade-to-Century Time Scales, Climate Research Committee, Board on Atmospheric Sciences and Climate, Commission on Geosciences, Environment, and Resources, and National Research Council. Washington, D.C., National Academy Press, 1995. pp.97-110

KEELING, CHARLES D. (with J. F. S. Chin and T. P. Whorf). Increased activity of northern vegetation inferred from atmospheric CO2 measurements. Nature, v.382, 1996. pp.146-149

KEELING, RALPH F. (with S. C. Piper and Martin Heimann). Global and hemispheric CO2 sinks deduced from changes in atmospheric O2 concentration. Nature, v.381, 1996. pp.218-221

KENT, G. M. (with Isaac I. Kim, Alistair Harding, R. S. Detrick, and John A. Orcutt). Suppression of seafloor scattered energy using a dip-moveout approach Application to the mid-ocean ridge environment. Geophysics, v.61, no.3, 1996. pp.821-834

- KLEY, D. (with Piotr J. Flatau, S. Williams, H. Smit, and S. Sherwood). Water vapor distribution. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.17-29
- KOCK, MATTHIAS (with Bernd Reif, William Fenical, and Christian Griesinger). Differentiation of HMBC two- and three-bond correlations: A method to simplify the structure determination of natural products. Tetrahedron Letters, v.37, no.3, 1996. pp.363-366
- KOIDE, MINORU (with Edward D. Goldberg and Richard Walker). The analysis of seawater osmium. Deep-Sea Research II, v.43, no.1, 1996. pp.53-55
- KOOYMAN, GERALD L. (with Tory G. Kooyman, Markus Horning, and Carsten A. Kooyman). Penguin dispersal after fledging. Nature, v.383, 1996. p.397
- KRUG, PATRICK J. (with Kenneth G. Boyd and D. John Faulkner). Isolation and synthesis of tanyolides A and B, metabolites of the nudibranch Sclerodoris tanya. Tetrahedron, v.51, no.41, 1995. pp.11,063-11,074
- KUETTNER, J. (with V. Ramanathan). Scientific objectives and conceptual formulation. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.1-9
- LAI, N. CHIN (with Jeffrey B. Graham, Valmik Bhargava, and R. Shabetai). Mechanisms of venous return and ventricular filling in elasmobranch fish. American Journal of Physiology, v.270, 1996. pp.H1766-H1771
- LAL, D. On cosmic-ray exposure ages of terrestrial rocks: A suggestion. Radiocarbon, v.37, no.3, 1995. pp.889-898
- LAL, D. (with M. Pavich, Z. Y. Gu, A. J. T. Jull, M. Caffee, R. C. Finkel, and J. Southon). Recent erosional history of a soil profile based on cosmogenic in- situ radionuclides 14C and 10Be. In: Earth Processes, Reading the Isotopic Code. Geophysical Monograph 95, edited by Asish Basu and Stan Hart. Washington, D. C., American Geophysical Union, 1996. pp.371-376
- LATZ, MICHAEL I. (with Hae Jin Jeong). Effect of red tide dinoflagellate diet and cannibalism on the bioluminescence of the heterotrophic dinoflagellates Protoperidinium spp. Marine Ecology Progress Series, v.132, 1996. pp.275-285
- LAW, R. M. (with P. J. Rayner, A. S. Denning, D. Erickson, I. Y. Fung, Martin Heimann, S. C. Piper, M. Ramonet, S. Taguchi, J. A. Taylor, C. M. Trudinger, and I. G. Watterson). Variations in modeled atmospheric transport of carbon dioxide and the consequences for CO2 inversions. Global Biogeochemical Cycles, v.10, no.4, 1996. pp.783-796

LEA, ROBERT N. (with H. J. Walker, Jr.). Record of the bigeye trevally, Caranx sexfasciatus, and Mexican lookdown, Selene brevoorti, with notes on other carangids from California. California Fish and Game, v.81, no.3, 1995. pp.89-95

LEA, ROBERT N. Sharks and Rays of Australia, by P. R. Last and J. D. Stevens. (Book Review.). Chondros, v.6, no.4, 1995. p.6

LEE, CRAIG M. (with Daniel L. Rudnick). The upper-ocean response to surface heating. Journal of Physical Oceanography, v.26, no.4, 1996. pp.466-480

LEE, MARTIN A. (with Vitali D. Shapiro and Roald Z. Sagdeev). Pickup ion energization by shock surfing. Journal of Geophysical Research, v.101, no.A3, 1996. pp.4777-4789

LEE, WAN-HO (with Richard C. J. Somerville). Effects of alternative cloud radiation parameterizations in a general circulation model. Annales Geophysicae, v.14, 1996. pp.107-114

LE ROEX, ANTON P. (with H. J. B. Dick and Robert L. Fisher). Petrology and geochemistry of MORB from 25 E to 46 E along the Southwest Indian Ridge: Evidence for contrasting styles of mantle enrichment. Journal of Petrology, v.30, pt.4, 1989. pp.947-986

LEVIN, LISA A. (with Hal Caswell, Todd Bridges, Claudio DiBacco, Debra Cabrera, and Gayle Plaia). Demographic responses of estuarine polychaetes to pollutants: Life table response experiments. Ecological Applications, v.6, no.4, 1996. pp.1295-1313

LEVIN, LISA A. (with Drew Talley and Gordon Thayer). Succession of macrobenthos in a created salt marsh. Marine Ecology Progress Series, v.141, 1996. pp.67-82

LEWIN, RALPH A. (with William A. Newman). Species concepts: A conciliatory note. Nova Hedwigia, Beiheft, v.112, 1996. pp.9-11

LINDEL, THOMAS (with Paul R. Jensen and William Fenical). Lagunapyrones A-C: Cytotoxic acetogenins of a new skeletal class from a marine sediment bacterium. Tetrahedron Letters, v.37, no.9, 1996. pp.1327-1330

LIPPMANN, T. C. (with A. H. Brookins and E. B. Thornton). Wave energy transformation on natural profiles. Coastal Engineering, v.27, 1996. pp.1-20

LIU, GUANMEI (with Jana Pika and D. John Faulkner). A sesterterpene from the Palauan sponge Igernella sp. Natural Product Letters, v.7, 1995. pp.297-301

LUBIN, DAN (with Jen-Ping Chen, Peter Pilewskie, V. Ramanathan, and Francisco P. J. Valero). Microphysical examination of excess cloud absorption in the tropical atmosphere. Journal of Geophysical Research, v.101, no.D12, 1996. pp.16,961-16,972

MAHONEY, JOHN J. (with James H. Natland, W. M. White, R. J. Poreda, Sherman H. Bloomer, Robert L. Fisher, and A. N. Baxter). Isotopic and geochemical provinces of the western Indian Ocean spreading centers. Journal of Geophysical Research, v.94, no.B4, 1989. pp.4033-4052

MAHONEY, JOHN J. (with Anton P. Le Roex, Z. Peng, Robert L. Fisher, and James H. Natland). Southwestern limits of Indian Ocean Ridge mantle and the origin of low 206Pb/204Pb mid-ocean ridge basalt: Isotope systematics of the central Southwest Indian Ridge (17 -50 E). Journal of Geophysical Research, v.97, no.B13, 1992. pp.19,771-19,790

MANKER, DENISE C. (with D. John Faulkner). Investigation of the role of diterpenes produced by the marine pulmonates Trimusculus reticulatus and T. conica. Journal of Chemical Ecology, v.22, no.1, 1996. pp.23-35

MCCLINTOCK, J. B. (with B. J. Baker, M. Slattery, J. N. Heine, P. J. Bryan, W. Yoshida, Michael T. Davies-Coleman, and D. John Faulkner). Chemical defense of common antarctic shallow-water nudibranch Tritoniella belli Eliot (Mollusca: Tritonidae). and its prey, Clavularia frankliniana Rouel (Cnidaria: Octocorallia). Journal of Chemical Ecology, v.20, no.12, 1994. pp.3361-3372

MCCOSKER, JOHN E. (with Robert N. Lea). White shark attacks in the eastern Pacific Ocean: An update and analysis. In: Great White Sharks, The Biology of Carcharodon carcharias, edited by A. Peter Klimley and David G. Ainley. San Diego, CA, Academic Press, 1996. pp.419-434

MCGEHEE, DUNCAN (with Jules S. Jaffe). Three-dimensional swimming behavior of individual zooplankters: Observations using the acoustical imaging system FishTV. ICES Journal of Marine Science, v.53, 1996. pp.363-369

MCGOWAN, JOHN A. (with Patricia W. Walker). Pelagic diversity patterns. In: Species Diversity in Ecological Communities, Historical and Geographical Perspectives, edited by Robert E. Ricklefs and Dolph Schluter. Chicago, University of Chicago Press, 1993. pp.203-214

MCGOWAN, JOHN A. Pelagic ecology and Pacific climate. In: Aspects of Climate Variability in the Pacific and the Western Americas. Geophysical Monograph 55, edited by David H. Peterson. Washington D.C., American Geophysical Union, 1989. pp.141-150

MCGOWAN, JOHN A. (with Dudley B. Chelton and Alessandra Conversi). Plankton patterns, climate, and change in the California Current. California Cooperative Oceanic Fisheries Investigations Reports, v.37, 1996. pp.45-68

MCGOWAN, JOHN A. Species dominance-diversity patterns in oceanic communities. In: The Earth in Transition, Patterns and Processes of Biotic Impoverishment, edited by George M. Woodwell. New York, Cambridge University Press, 1990. pp.395-421

MCGOWAN, JOHN A. Temporal change in marine ecosystems. In: Natural Climate Variability on Decade-to-Century Time Scales, Climate Research Committee, Board on Atmospheric Sciences and Climate, Commission on Geosciences, Environment, and Resources, and National Research Council. Washington, D.C., National Academy Press, 1995. pp.555-571

MELVILLE, W. K. The role of surface-wave breaking in air-sea interaction. Annual Review of Fluid Mechanics, v.28, 1996. pp.279-321

MERRIFIELD, MARK A. (with Robert Pinkel). Inertial currents in the Beaufort Sea: Observations of response to wind and shear. Journal of Geophysical Research, v.101, no.C3, 1996. pp.6577-6590

MILES, JOHN W. On forced capillary-gravity waves in a circular cylinder. Wave Motion, v.23, 1996. pp.387-391

MILES, JOHN W. On viscoelastic eddy viscosity for flow over a wavy surface. Boundary-Layer Meteorology, v.79, 1996. pp.177-179

MILES, JOHN W. Surface-wave generation: A viscoelastic model. Journal of Fluid Mechanics, v.322, 1996. pp.131-145

MILLER, ARTHUR J. (with Pierre F. J. Lermusiaux and P. M. Poulain). A topographic-Rossby mode resonance over the Iceland-Faeroe Ridge. Journal of Physical Oceanography, v.26, no.12, 1996. pp.2735-2747

MOJZSIS, S. (with Gustaf Arrhenius, K. D. McKeegan, T. M. Harrison, A. P. Nutman, and C. R. L. Friend). Evidence for life on Earth before 3,800 million years ago. Nature, v.384, 1996. pp.55-59

MONTANARI, ANTONIO M. (with William Fenical, Niels Lindquist, Angela Y. Lee, and Jon Clardy). Volutamides A-E, halogenated alkaloids with antifeedant properties from the Atlantic bryozoan Amathia convoluta. Tetrahedron, v.52, no.15, 1996. pp.5371-5380

MORAWITZ, W. M. L. (with B. Cornuelle and Peter F. Worcester). A case study in three-dimensional inverse methods: Combining hydrographic, acoustic, and moored thermistor data in the Greenland Sea. Journal of Atmospheric and Oceanic Technology, v.13, no.3, 1996. pp.659-679

MORAWITZ, W. M. L. (with P. J. Sutton, Peter F. Worcester, B. Cornuelle, J. Lynch, and R. Pawlowicz). Three-dimensional observations of a deep convective chimney in the Greenland Sea during winter 1988/89. Journal of Physical Oceanography, v.26, no.11, 1996. pp.2316-2343

MORRISSEY, MARK L. (with Nicholas E. Graham). Recent trends in rain gauge precipitation measurements from the tropical Pacific: Evidence for an enhanced hydrologic cycle. Bulletin of the American Meteorological Society, v.77, no.6, 1996. pp.1207-1219

MORTYN, P. GRAHAM (with R. Thunell, David M. Anderson, L. D. Stott, and Jianning Le). Sea surface temperature changes in the Southern California Borderlands during the last glacial-interglacial cycle. Paleoceanography, v.11, no.4, 1996. pp.415-430

MOY, GARY W. (with Lisa M. Mendoza, J. R. Schulz, W. J. Swanson, Charles G. Glabe, and Victor D. Vacquier). The sea urchin sperm receptor for egg jelly is a modular protein with extensive homology to the human polycystic kidney disease protein, PKD1. Journal of Cell Biology, v.133, no.4, 1996. pp.809-817

NESE, JON M. (with Arthur J. Miller and John A. Dutton). The nature of predictability enhancement in a low-order ocean atmosphere model. Journal of Climate, v.9, no.9, 1996. pp.2167-2172

NEWMAN, WILLIAM A. Sous-classe des cirripedes (Cirripedia Burmeister, 1834). super-ordres des thoraciques et des acrothoraciques (Thoracica Darwin, 1854 - Acrothoracica Gruvel, 1905). In: Traite de Zoologie: Anatomie, Systematique, Biologie, Publie Sous La Direction De Pierre-P. Grasse, Tome 7, Crustaces, Fascicule 2. Paris, Masson, 1996. pp.453-540

NEWTON, GERALD L. (with Carole A. Bewley, Tammy J. Dwyer, Ronda Horn, Yair Aharonowitz, Gerald Cohen, Julian Davies, D. John Faulkner, and Robert C. Fahey). The structure of U17 isolated from Streptomyces clavuligerus and its properties as an antioxidant thiol. European Journal of Biochemistry, v.230, 1995. pp.821-825

NOLET, GUUST (with L. M. Dorman). Waveform analysis of Scholte modes in ocean sediment layers. Geophysical Journal International, v.125, 1996. pp.385-396

NORTHCUTT, R. GLENN The agnathan ark: The origin of craniate brains. Brain, Behavior and Evolution, v.48, 1996. pp.237-247

NORTHCUTT, R. GLENN The origin of craniates: Neural crest, neurogenic placodes, and homeobox genes. Israel Journal of Zoology, v.42, 1996. pp.S-273- S-313

OHMAN, MARK D. Atlas of marine zooplankton. Straits of Magellan: Copepods, by M. G. Mazzocchi, G. Zagami, A. Ianora, L. Guglielmo, N. Crescenti, and J. Hure. (Book Review). Limnology and Oceanography, v.41, no.7, 1996. pp.1584-1585

OHMAN, MARK D. Freezing and storage of copepod samples for the analysis of lipids. Marine Ecology Progress Series, v.130, 1996. pp.295-298

OHMAN, MARK D. (with Dag L. Askens and Jeffrey A. Runge). The interrelationship of copepod fecundity and mortality. Limnology and Oceanography, v.41, no.7, 1996. pp.1470-1477

OHMAN, MARK D. (with Simon N. Wood). Mortality estimation for planktonic copepods: Pseudocalanus newmani in a temperate fjord. Limnology and Oceanography, v.41, no.1, 1996. pp.126-135

OKIHIRO, MICHELE (with Robert T. Guza). Observations of seiche forcing and amplification in three small harbors. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.122, no.5, 1996. pp.232-238

O'REILLY, W. C. (with T. H. C. Herbers, Richard J. Seymour, and Robert T. Guza). A comparison of directional buoy and fixed platform measurements of Pacific swell. Journal of Atmospheric and Oceanic Technology, v.13, no.1, 1996. pp.231-238

PALENIK, BRIAN (with Hewson Swift). Cyanobacterial evolution and prochlorophyte diversity as seen in DNA-dependent RNA polymerase gene sequences. Journal of Phycology, v.32, 1996. pp.638-646

PALMER LTER GROUP The western Antarctic Peninsula region: Summary of environmental and ecological processes. In: Foundations for Ecological Research West of the Antarctic Peninsula. Antarctic Research Series, v.70, edited by Robin M. Ross, Eileen E. Hofmann, and Langdon B. Quetin. Washington, D.C., American Geophysical Union, 1996. pp.437-448

PARKER, ROBERT L. Improved Fourier terrain correction, Part II. Geophysics, v.61, no.2, 1996. pp.365-372

PARKER, ROBERT L. (with John R. Booker). Optimal one-dimensional inversion and bounding of magnetotelluric apparent resistivity and phase measurements. Physics of the Earth and Planetary Interiors, v.98, 1996. pp.269-282

PATIL, ASHOK D. (with N. Vasant Kumar, Wilhelmus C. Kokke, Mark F. Bean, Alan J. Freyer, Charles De Brosse, Shing Mai, Alemseged Truneh, D. John Faulkner, Brad Carte, Ann L. Breen, Robert P. Hertzberg, Randall K. Johnson, John W. Westley, and Barbara C. M. Potts). Novel alkaloids from the sponge Batzella sp.: Inhibitors of HIV gp 120-human CD4 binding. Journal of Organic Chemistry, v.60, 1995. pp.1182-1188

PETERSON, DAVID H. (with Daniel R. Cayan, Jeanne DiLeo, Marlene Noble, and Michael Dettinger). The role of climate in estuarine variability. American Scientist, v.83, 1995. pp.58-67

PIKA, JANA (with D. John Faulkner). A reinvestigation of the didemnaketals from the Palauan ascidian Didemnum sp. Natural Product Letters, v.7, 1995. pp.291- 296

PIKA, JANA (with D. John Faulkner). Unusual chlorinated homo-diterpenes from the South African nudibranch Chromodoris hamiltoni. Tetrahedron, v.51 no.30, 1995. pp.8189-8198

PILEWSKIE, PETER (with Francisco P. J. Valero). How much solar radiation do clouds absorb? by Graeme L. Stephens - Response. Science, v.271, 1996. pp.1133-1134

PINKEL, ROBERT (with Hans Ramm). Doppler acoustic measurements of ocean turbulence. In: Microstructure Centers Proceedings: Workshop on Microstructure Centers in the Ocean. Proceedings, Oct. 25, 1996. Mercer Island, Washington, Sequoia Scientific, Inc., 1996. pp.69-75

PINKEL, ROBERT (with S. Williams). Meteorological and oceanographic context. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.11-15

PINTO, ANGELO C. (with Rosangela de A. Epifanio, Walter Frankmolle, and William Fenical). An unexpected spirodiketone obtained during seco-isopimarene cyclization. Natural Product Letters, v.8, 1996. pp.311-315

- PIOTROWSKI, TATJANA (with R. Glenn Northcutt). The cranial nerves of the Senegal bichir, Polypterus senegalus [Osteichthyes: Actinopterygii: Cladistia]. Brain, Behavior and Evolution, v.47, 1996. pp.55-102
- PIPER, S. C. (with Elisabeth Fuglister Stewart). A gridded global data set of daily temperature and precipitation for terrestrial biospheric modeling. Global Biogeochemical Cycles, v.10, no.4, 1996. pp.757-782
- PLUEDDEMANN, ALBERT (with Jerome Smith, D. M. Farmer, Robert A. Weller, William R. Crawford, Robert Pinkel, Svein Vagle, and Anand Gnanadesikan). Structure and variability of Langmuir circulation during the Surface Waves Processes Program. Journal of Geophysical Research, v.101, no.C2, 1996. pp.3525-3543
- POMEROY, ROBERT S. (with Mark E. Baker, M. Bonner Denton, and Andrew G. Dickson). Scientifically operated CCD-based spectroscopic system for high- precision spectrometric determinations of seawater. Applied Spectroscopy, v.49, no.12, 1995. pp.1729-1736
- PORTER, J. H. (with R. W. Nottrott and Karen S. Baker). Tools for managing ecological data. In: Proceedings of Eco-Informa '96, Global Networks for Environmental Information. Ann Arbor, Michigan, Environmental Research Institute of Michigan, 1996. pp.87-92
- RAHN, T. A. (with J. E. Fessenden and M. Wahlen). Flux chamber measurements of anomalous CO2 emission from the flanks of Mammoth Mountain, California. Geophysical Research Letters, v.23, no.14, 1996. pp.1861-1864
- RANDALL, DAVID A. (with Kuan-Man Xu, Richard J. C.[sic] Somerville, and Sam Iacobellis). Single-column models and cloud ensemble models as links between observations and climate models. Journal of Climate, v.9, no.8, 1996. pp.1683- 1697
- RAO, C. BHEEMASANKARA (with K. V. Ramana, Raju S. H. S. N. Kalidindi, D. Sreenivasa Rao, D. Venkata Rao, G. Trimurtulu, and D. John Faulkner). Cembrane diterpenes from a new species of the genus Lobophytum of the Indian Ocean. Indian Journal of Chemistry, v.33B, 1994. pp.1004-1005
- RAO, C. BHEEMASANKARA (with G. Trimurtulu, Ch. Sreedhara, D. Venkata Rao, Steven C. Bobzin, and D. John Faulkner). Diterpenes from the brown alga Dictyota bartayresiana. Phytochemistry, v.37, no.2, 1994. pp.509-513
- RAUBENHEIMER, B. (with Robert T. Guza). Observations and predictions of run-up. Journal of Geophysical Research, v.101, no.C10, 1996. pp.25,575-25,587
- RAUBENHEIMER, B. (with Robert T. Guza and Steve Elgar). Wave transformation across the inner surf zone. Journal of Geophysical Research, v.101, no.C10, 1996. pp.25,589-25,597
- REID, JOSEPH R. [sic] On the circulation of the South Atlantic Ocean. In: The South Atlantic, Present and Past Circulation, edited by G. Wefer, W. H. Berger, G. Siedler, and D. J. Webb. Berlin, Springer-Verlag, 1996. pp.13-44

REIF, BERND (with Matthias Kock, Rainer Kerssebaum, Heonjoong Kang, William Fenical, and Christian Griesinger). ADEQUATE, a new set of experiments to determine the constitution of small molecules at natural abundance. Journal of Magnetic Resonance, Series A, v.118, 1996. pp.282-285

RIEDER, KARL F. (with Jerome Smith and Robert A. Weller). Observed directional characteristics of the wind, wind stress, and surface waves on the open ocean. Journal of Geophysical Research, v.99, no.C11, 1994. pp.22,589-22,596

RIEDER, KARL F. (with Jerome Smith and Robert A. Weller). Some evidence of colinear wind stress and wave breaking. Journal of Physical Oceanography, v.26, no.11, 1996. pp.2519-2524

ROADS, JOHN OWEN (with S. Marshall, R. Oglesby, and Shyh-Chin Chen). Sensitivity of the CCM1 hydrologic cycle to CO2. Journal of Geophysical Research, v.101, no.D3, 1996. pp.7321-7339

ROBINSON, ALLAN R. (with Hernan G. Arango, Arthur J. Miller, Alex Warn-Varnus, P. M. Poulain, and Wayne G. Leslie). Real-time operational forecasting on shipboard of the Iceland Faeroe frontal variability. Bulletin of the American Meteorological Society, v.77, no.2, 1996. pp.243-259

ROBINSON, ALLAN R. (with Hernan G. Arango, Alex Warn-Varnas, Wayne G. Leslie, Arthur J. Miller, Patrick J. Haley, and Carlos J. Lozano). Real-time regional forecasting. In: Modern Approaches to Data Assimilation in Ocean Modeling. Elsevier Oceanography Series 61, edited by P. Malanotte-Rizzoli, Amsterdam, Elsevier Science BV, 1996. pp.377-410

ROEMMICH, DEAN (with John A. McGowan). Climatic warming and the decline of zooplankton in the California Current. Science, v.267, 1995. pp.1324-1326

ROEMMICH, DEAN (with Susan L. Hautala and Daniel L. Rudnick). Northward abyssal transport through the Samoan Passage and adjacent regions. Journal of Geophysical Research, v.101, no.C6, 1996. pp.14,039-14,055

ROSS, ARNOLD (with William A. Newman). Elizabeth Carington Pope 1912-1993. Journal of Crustacean Biology, v.16, no.3, 1996. pp.636-637

ROSS, ARNOLD (with William A. Newman). A new sessile barnacle symbiotic with bryozoans from Madagascar and Mauritius (Cirripedia: Balanomorpha): A unique case of co-evolution? Invertebrate Biology, v.115, no.2, 1996. pp.150-161

ROSS, ARNOLD (with William A. Newman). Unique experiment in four-platedness by a Miocene barnacle (Cirripedia: Balanidae). that Darwin considered improbable. Journal of Crustacean Biology, v.16, no.4, 1996. pp.663-668

ROUSSIS, VASSILIOS (with William Fenical, Constantinos Vagias, Jean-Michel Kornprobst, and Joseph Miralles). Labiatamides A, B, and other eunicellan diterpenoids from the Senegalese gorgonian Eunicella labiata. Tetrahedron, v.52, no.8, 1996. pp.2735-2742

ROZENBERG, ANATOL D. (with Derek C. Quigley and W. K. Melville). Laboratory study of polarized microwave scattering by surface waves at grazing incidence: The influence of long waves. IEEE Transactions on Geoscience and Remote Sensing, v.34, no.6, 1996. pp.1331-1342

RUDNICK, DANIEL L. (with James R. Luyten). Intensive surveys of the Azores Front. 1. Tracers and dynamics. Journal of Geophysical Research, v.101, no.C1, 1996. pp.923-939

RUDNICK, DANIEL L. Intensive surveys of the Azores Front. 2. Inferring the geostrophic and vertical velocity fields. Journal of Geophysical Research, v.101, no.C7, 1996. pp.16,291-16,303

SALMON, RICK Large-scale semigeostrophic equations for use in ocean circulation models. Journal of Fluid Mechanics, v.318, 1996. pp.85-105

SALOMON, CHRISTINE E. (with David H. Williams and D. John Faulkner). New azacyclopropene derivatives from Dysidea fragilis collected in Pohnpei. Journal of Natural Products, v.58, no.9, 1995. pp.1463-1466

SALOMON, CHRISTINE E. (with D. John Faulkner). Sagitol, a pyridoacridine alkaloid from the sponge Oceanapia sagittaria. Tetrahedron Letters, v.37, no.51, 1996. pp.9147-9148

SANFILIPPO, ANNIKA (with Catherine Nigrini). Radiolarian biostratigraphy at the Oligocene/Miocene boundary. In: Microfossils and Oceanic Environments, edited by Alicia Moguilevsky and Robin Whatley. University of Wales, Aberystwyth-Press, 1996. pp.317-326

SCARSI, P. (with Harmon Craig). Helium isotope ratios in Ethiopian Rift basalts. Earth and Planetary Science Letters, v.144, 1996. pp.505-516

SCHMIDT, ERIC W. (with D. John Faulkner). Absolute configuration of methyl (2Z,6R,8R,9E)-3,6-epoxy-4,6,8-triethyl-2,4,9-dodecatrienoate from the sponge Plakortis halichondrioides. Tetrahedron Letters, v.37, no.37, 1996. pp.6681-6684

SCHMIDT, ERIC W. (with Mary Kay Harper and D. John Faulkner). Makaluvamines H-M and damirone C from the Pohnpeian sponge Zyzzya fuliginosa. Journal of Natural Products, v.58, no.12, 1995. pp.1861-1867

SCHMIDT, ERIC W. (with D. John Faulkner). Palauolol, a new anti-inflammatory sesterterpene from the sponge Fascaplysinopsis sp. from Palau. Tetrahedron Letters, v.37, no.23, 1996. pp.3951-3954

SCHNEIDER, NIKLAS (with Tim P. Barnett, M. Latif, and Timothy Stockdale). Warm pool physics in a coupled GCM. Journal of Climate, v.9, 1996. pp.219-239

SEVERINGHAUS, JEFFREY P. (with Michael L. Bender, Ralph F. Keeling, and Wallace S. Broecker). Fractionation of soil gases by diffusion of water vapor, gravitational settling, and thermal diffusion. Geochimica et Cosmochimica Acta, v.60, no.6, 1996. pp.1005-1018

SEVERINGHAUS, JEFFREY P. (with Wallace S. Broecker, William F. Dempster, Taber MacCallum, and M. Wahlen). Oxygen loss in Biosphere 2. Eos, v.75, no.3, 1994. pp.33, 35-37

SEYMOUR, RICHARD J. Wave climate variability in Southern California. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.122, no.4, 1996. pp.182-186

SHEARER, P. M. Transition zone velocity gradients and the 520-km discontinuity. Journal of Geophysical Research, v.101, no.B2, 1996. pp.3053-3066

SIMPSON, JAMES J. (with Jason I. Gobat). Improved cloud detection for daytime AVHRR scenes over land. Remote Sensing of the Environment, v.55, 1996. pp.21-49

SIMPSON, JAMES J. (with Lance L. Al-Rawi). The Tile and General Research Imaging System (TIGRIS). IEEE Transactions on Geoscience and Remote Sensing, v.34, no.1, 1996. 149-162

SMITH, RAYMOND C. (with Heidi M. Dierssen and M. Vernet). Phytoplankton biomass and productivity in the western Antarctic Peninsula region. In: Foundations for Ecological Research West of the Antarctic Peninsula. Antarctic Research Series, v.70, edited by Robin M. Ross, Eileen E. Hofmann, and Langdon B. Quetin. Washington, D.C., American Geophysical Union, 1996. pp.333-356

SMITH, RAYMOND C. (with Sharon E. Stammerjohn and Karen S. Baker). Surface air temperature variations in the western Antarctic Peninsula region. In: Foundations for Ecological Research West of the Antarctic Peninsula. Antarctic Research Series, v.70, edited by Robin M. Ross, Eileen E. Hofmann, and Langdon B. Quetin. Washington, D.C., American Geophysical Union, 1996. pp.105-121

SOLOVIEV, GUENNADI I. (with Vitali D. Shapiro, Richard C. J. Somerville, and Boris Shkoller). The tilting instability with buoyant forcing in a two- dimensional viscous fluid. Journal of the Atmospheric Sciences, v.53, no.18, 1996. pp.2671-2684

SPIESS, FRED N. (with John A. Hildebrand). Employing geodesy to study temporal variability at a midocean ridge. Eos, v.76, no.45, 1995. pp.451, 455

STAMMERJOHN, SHARON E. (with Raymond C. Smith). Spatial and temporal variability of western Antarctic Peninsula sea ice coverage. In Foundations for Ecological Research West of the Antarctic Peninsula. Antarctic Research Series, v.70, edited by Robin M. Ross, Eileen E. Hofmann, and Langdon B. Quetin. Washington, D.C., American Geophysical Union, 1996. pp.81-104

STEPIEN, CAROL A. (with Richard H. Rosenblatt). Genetic divergence in antitropical pelagic marine fishes (Trachurus, Merluccius, and Scomber). between North and South America. Copeia, no.3, 1996. pp.586-598

STEVENSON, J. MARK (with John A. Hildebrand). Gravity modeling of a volcanically active site on the East Pacific Rise axis. Tectonophysics, v.254, 1996. pp.57-68

TALLEY, LYNNE D. North Atlantic circulation and variability, reviewed for the CNLS conference. Physica D, v.98, 1996. pp.625-646

TEGNER, MIA J. (with Paul K. Dayton, Peter B. Edwards, and Kristin L. Riser). Is there evidence for long-term climatic change in southern California kelp forests? California Cooperative Oceanic Fisheries Investigations Reports, v.37, 1996. pp.111-126

TEGNER, MIA J. (with Lawrence V. Basch and Paul K. Dayton). Near extinction of an exploited marine invertebrate. Trends in Ecology and Evolution, v.11, no.7, 1996. pp.278-280

TREPPKE, UTE F. (with Carina B. Lange, Barbara Donner, Gerhard Fischer, Gotz Ruhland, and G. Wefer). Diatom and silicoflagellate fluxes at the Walvis Ridge: An environment influenced by coastal upwelling in the Benguela system. Journal of Marine Research, v.54, 1996. pp.991-1016

TSONIS, Anastasios A. (with G. N. Triantafyllou and Konstantine P. Georgakakos). Hydrological applications of satellite data. 1. Rainfall estimation. Journal of Geophysical Research, v.101, no.D21, 1996. pp.26,517-26,525

TSUCHIYA, MIZUKI (with Lynne D. Talley). Water-property distributions along an eastern Pacific hydrographic section at 135W. Journal of Marine Research, v.54, 1996. pp.541-564

UEYOSHI, K. (with John Owen Roads, F. Fujioka, and Duane E. Stevens). Numerical simulation of the Maui Vortex in the trade winds. Journal of the Meteorological Society of Japan, v.74, no.6, 1996. pp.723-744

VALERO, FRANCISCO P. J. (with Shelly K. Pope, Robert G. Ellingson, Anthony W. Strawa, and John Vitko, Jr.). Determination of clear-sky radiative flux profiles, heating rates, and optical depths using unmanned aerospace vehicles as a platform. Journal of Atmospheric and Oceanic Technology, v.13, no.5, 1996. pp.1024-1030

VAN SOEST, ROB W. M. (with Jean-Claude Braekman, D. John Faulkner, Eduardo Hajdu, Mary Kay Harper, and Jean Vacelet). The genus Batzella: A chemosystematic problem. Bulletin de L'Institute Royal des Sciences Naturelles de Belgique. Biologie, 66 Supplement, 1996. pp.89-101

VEIT, RICHARD R. (with Peter Pyle and John A. McGowan). Ocean warming and long-term change in pelagic bird abundance within the California Current system. Marine Ecology Progress Series, v.139, 1996. pp.11-18

VERNET, M. (with B. G. Mitchell, Egil Sakshaug, Geir Johnsen, Rodolfo Iturriaga, and Paul Wassmann). Evidence for a novel pigment with in vivo absorption maximum at 708 nm associated with Phaeocystis cf. pouchetii blooms. Marine Ecology Progress Series, v.133, 1996. pp.253-262

VERZICCO, R. (with P. Orlandi, A. H. M. Eisenga, G. J. F. van Heijst, and G. F. Carnevale). Dynamics of a vortex ring in a rotating fluid. Journal of Fluid Mechanics, v.317, 1996. pp.215-239

VIAL, F. (with A. Babiano, B. Brioit, C. Basdevant, B. Legras, R. Sadourny, H. Ovarlez, J. Ovarlez, H. Teitelbaum, D. Cariolle, F. Lefevre, P. Simon, Francisco P. J. Valero, C. Mechoso, J. Fararra, H. Kelder, C.

Camy-Peyret, T. Hart, and M. E. McIntyre). STRATEOLE: A project to study Antarctic polar vortex dynamics and its impact on ozone chemistry. Physics and Chemistry of the Earth, v.20, no.1, 1995. pp.83-96

WALKER, ANDREW D. (with George E. Backus). Is the non-dipole magnetic field random? Geophysical Journal International, v.124, 1996. pp.315-319

WALKER, ANDREW D. (with George E. Backus). On the difference between the average values of B2r in the Atlantic and Pacific hemispheres. Geophysical Research Letters, v.23, no.15, 1996. pp.1965-1968

WALKER, H. J., JR. (with William A. Bussing). Two new pufferfishes of the genus Sphoeroides from the eastern Pacific. Copeia, no.3, 1996. pp.677-684

WATSON, KENNETH M. (with Steven B. Buchsbaum). Interaction of capillary waves with longer waves. Part 1. General theory and specific applications to waves in one dimension. Journal of Fluid Mechanics, v.321, 1996. pp.87-120

WEFER, G. (with Wolfgang H. Berger, T. Bickert, Barbara Donner, Gerhard Fischer, S. Kemle-von Mucke, G. Meinecke, P. J. Muller, S. Mulitza, H.-S. Niebler, J. Patzold, H. Schmidt, R. R. Schneider, and M. Segl). Late Quaternary surface circulation of the South Atlantic: The stable isotope record and implications for heat transport and productivity. In: The South Atlantic: Present and Past Circulation, edited by Gerold Wefer, Wolfgang H. Berger, Gerold Siedler, and David J. Webb. Berlin, Springer-Verlag, 1996. pp.461-502

WHITE, WARREN B. (with Ray G. Peterson). An Antarctic circumpolar wave in surface pressure, wind, temperature and sea-ice extent. Nature, v.380, 1996. pp.699-702

WIGGINS, SEAN M. (with L. M. Dorman, B. Cornuelle, and John A. Hildebrand). Hess Deep rift valley structure from seismic tomography. Journal of Geophysical Research, v.101, no.B10, 1996. pp.22,335-22,353

WIKFORS, GARY H. (with Glenn W. Patterson, Parthasarathi Ghosh, Ralph A. Lewin, Barry C. Smith, and Jennifer H. Alix). Growth of post-set oysters, Crassostrea virginica, on high-lipid strains of algal flagellates Tetraselmis spp. Aquaculture, v.143, 1996. pp.411-419

WILLIAMS, DAVID H. (with D. John Faulkner). Isomers and tautomers of hymenialdisine and debromohymenialdisine. Natural Product Letters, v.9, 1996. pp.57-64

WILLIAMS, DAVID H. (with D. John Faulkner). N-methylated ageliferins from the sponge Astrosclera willeyana from Pohnpei. Tetrahedron, v.52, no.15, 1996. pp.5381-5390

WILLIAMS, DAVID H. (with D. John Faulkner). Three new acetylenes from the Palauan sponge Haliclona sp. Journal of Natural Products, v.59, 1996. pp.1099-1101

WILLIAMS, DAVID H. (with D. John Faulkner). Two practical syntheses of an anti- inflammatory sesquiterpene furoic acid from Sinularia spp. Tetrahedron, v.52, no.12, 1996. pp.4245-4256

YUAN, XIAOJUN (with Lynne D. Talley). The subarctic frontal zone in the North Pacific: Characteristics of frontal structure from climatological data and synoptic surveys. Journal of Geophysical Research, v.101, no.C7, 1996. pp.16,491-16,508

ZHANG, GUANG JUN (with Robert L. Grossman). Surface evaporation during the Central Equatorial Pacific Experiment: A climate-scale perspective. Journal of Climate, v.9, no.10, 1996. pp.2522-2537

ZHANG, GUANG JUN (with Robert L. Grossman). Surface fluxes and boundary layer processes. In: Central Equatorial Pacific Experiment (CEPEX). Proceedings of the CEPEX Santa Fe Workshop, September 26-30, 1994, edited by R. Dirks. Boulder, Colorado, University Corporation for Atmospheric Research of Field Project Support, 1995. pp.53-76

ZHOU, MENG (with Mark E. Huntley). The principle of biological attraction, demonstrated by the biocontinuum theory of zooplankton patch dynamics. Journal of Marine Research, v.54, 1996. pp.1017-1037

ABAWI, AHMAD T. (with W. A. Kuperman and Michael D. Collins). The coupled mode parabolic equation. Journal of the Acoustical Society of America, v.102, no.1, 1997. pp.233-238

AGNEW, D. Ocean-load tides at the South Pole: A validation of recent ocean-tide models. Geophysical Research Letters, v.22, no.22, 1995. pp.3063-3066

AKSNES, DAG L. (with Charles B. Miller, Mark D. Ohman, and Simon N. Wood). Estimation techniques used in studies of copepod population dynamics a review of underlying assumptions. Sarsia, v.82, 1997. pp.279-296

ANCEL, A. (with Markus Horning and Gerald L. Kooyman). Prey ingestion revealed by oesophagus and stomach temperature recordings in cormorants. Journal of Experimental Biology, v.200, 1997. pp.149-154

ARRHENIUS, GUSTAF Carbon dioxide warming of the early earth. Ambio, v.26, no.1, 1997. pp.12-16

ARRHENIUS, GUSTAF (with B. Sales, S. Mojzsis, and T. Lee). Entropy and charge in molecular evolution the case of phosphate. Journal of Theoretical Biology, v.187, 1997. pp.503-522

BANGS, NATHAN L. (with Steve C. Cande). Episodic development of a convergent margin inferred from structures and processes along the southern Chile margin. Tectonics, v.16, no.3, 1997. pp.489-503

BARG, E. (with D. Lal, M. Pavich, M. Caffee, and J. Southon). Beryllium geochemistry in soils: Evaluation of 10Be/9Be ratios in authigenic minerals as a basis for age models. Chemical Geology, v.140, 1997. pp.237-258

BARLOW, LINDA A. (with R. Glenn Northcutt). Taste buds develop autonomously from endoderm without induction by cephalic neural crest or paraxial mesoderm. Development, v.124, 1997. pp.949-957

BARNETT, TIM P. (with K. Arpe, L. Bengtsson, M. Ji, and A. Kumar). Potential predictability and AMIP implications of midlatitude climate variability in two general circulation models. Journal of Climate, v.10, 1997. pp.2321-2329

BARTLETT, DOUGLAS (with T. J. Welch). Role of cAMP receptor protein and ToxR/S proteins in pressure sensing and pressure adaptation in the deep-sea bacterium Photobacterium species strain SS9. In: High Pressure Research in the Biosciences and Biotechnology, Proceedings of the XXXIVth Meeting of the European High Pressure Research Group, Leuven, Belgium, September 1-5, 1996, edited by Karel Heremans. Leuven, Belgium, Leuven University Press, 1997. pp.201-204

BERGER, WOLFGANG H. (with I. L. Lind). Abundance of color bands in Neogene carbonate sediments on Ontong Java Plateau: A proxy for sedimentation rate? Marine Geology, v.144, 1997. pp.1-8

BERGER, WOLFGANG H. (with G. Wefer). Central themes of South Atlantic circulation. In: The South Atlantic: Present and Past Circulation, edited by G. Wefer, W. H. Berger, G. Siedler, and D. J. Webb. Berlin, Springer-Verlag, 1996. pp.1-11

BERGER, WOLFGANG H. (with G. Wefer). Expeditions into the past: Paleoceanographic studies in the South Atlantic. In: The South Atlantic: Present and Past Circulation, edited by G. Wefer, W. H. Berger, G. Siedler, and D. J. Webb. Berlin, Springer-Verlag, 1996. pp.363-410

BERGER, WOLFGANG H. Experimenting with ice-age cycles in a spreadsheet. Journal of Geoscience Education, v.45, 1997. pp.428-439

BERSIER, LOUIS-FELIX (with George Sugihara). Scaling regions for food web properties. Proceedings of the National Academy of Sciences of the United States of America, v.94, 1997. pp.1247-1251

BERSIER, LOUIS-FELIX (with George Sugihara). Species abundance patterns: The problem of testing stochastic models. Journal of Animal Ecology, v.66, 1997. pp.769-774

BINGHAM, R. (with J. M. Dawson, V. D. Shapiro, D. A. Mendis, and B. J. Kellett). Generation of X-rays from comet C/Hyakutake 1996 B2. Science, v.275, 1997. pp.49-51

BIONDI, FRANCO (with Daniel R. Cayan and Wolfgang H. Berger). Dendroclimatology of Torrey pine (Pinus torreyana Parry ex Carr.). American Midland Naturalist, v.138, no.2, 1997. pp.237-2513

BIONDI, FRANCO (with C. B. Lange, M. K. Hughes, and Wolfgang H. Berger). Inter-decadal signals during the last millennium (AD 1117-1992) in the varve record of Santa Barbara basin, California. Geophysical Research Letters, v.24, no.2, 1997. pp.193-196

BLACKMAN, DONNA K. (with J.-M. Kendall). Sensitivity of teleseismic body waves to mineral texture and melt in the mantle beneath a mid-ocean ridge. Philosophical Transactions of the Royal Society of London A, v.355, 1997. pp.217-231

BLACKMAN, DONNA K. Variation in lithospheric stress along ridge-transform plate boundaries. Geophysical Research Letters, v.24, no.4, 1997. pp.461-464

BLAIR, NEAL E. (with Lisa A. Levin, David J. DeMaster, and Gayle Plaia). The short-term fate of fresh algal carbon in continental slope sediments. Limnology and Oceanography, v.41, no.6, 1996. pp.1208-1219

BOCK, YEHUDA (with Simon Williams). Integrated satellite interferometry in southern California. Eos, v.78, no.29, 1997. pp.293, 299-300

BOCK, YEHUDA (with Shimon Wdowinski, Peng Fang, J. Zhang, S. Williams, Hadley O. Johnson, J. Behr, Joachim F. Genrich, J. Dean, M. van Domselaar, D. Agnew, Frank Wyatt, Keith Stark, B. Oral, Kenneth W. Hudnut, Robert W. King, Thomas A. Herring, S. Dinardo, W. Young, D. D. Jackson, and W. Gurtner). Southern California Permanent GPS Geodetic Array: Continuous measurements of regional crustal deformation between the 1992 Landers and 1994 Northridge earthquakes. Journal of Geophysical Research, v.102, no.B8, 1997. pp.18,013-18,033

BOEHLER, MARK (with Paul R. Jensen and William Fenical). Bahamamide, an unusual cyclic bis-amide produced by an undescribed marine bacterium. Natural Product Letters, v.10, 1997. pp.75-78

BOER, E. (with V. Ramanathan). Lagrangian approach for deriving cloud characteristics from satellite observations and its implications to cloud parameterization. Journal of Geophysical Research, v.102, no.D17, 1997. pp.21,383-21,399

BRADLEY, C. R. (with R. A. Stephen, L. M. Dorman, and John A. Orcutt). Very low frequency (0.2-10.0 Hz). seismoacoustic noise below the seafloor. Journal of Geophysical Research, v.102, no.B6, 1997. pp.11,703-11,718

BRAUN, CHRISTOPHER B. (with R. Glenn Northcutt). The lateral line system of hagfishes (Craniata: Myxinoidea). Acta Zoologica, v.78, no.3, 1997. pp.247-268

BUCKINGHAM, MICHAEL J. The acoustics of ocean waves. In: Theoretical and Applied Mechanics 1996, Proceedings of the XIXth International Congress of Theoretical and Applied Mechanics, Kyoto, Japan, 25-31 August 1996, edited by T. Tatsumi, E. Watanabe, and T. Kambe. Amsterdam, Elsevier Science B. V., 1997. pp.187-200

BUCKINGHAM, MICHAEL J. Sound speed and void fraction profiles in the sea surface bubble layer. Applied Acoustics, v.51, no.3, 1997. pp.225-250

BUCKINGHAM, MICHAEL J. (with Nicholas M. Carbone). Source depth and the spatial coherence of ambient noise in the ocean. Journal of the Acoustical Society of America, v.102, no.5, pt.1, 1997. pp.2637-2644

BUCKINGHAM, MICHAEL J. Theory of acoustic attenuation, dispersion, and pulse propagation in unconsolidated granular materials including marine sediments. Journal of the Acoustical Society of America, v.102, no.5, pt.1, 1997. pp.2579- 2596

BUTLER, JOHN L. (with Robert N. Nishimoto). Growth and cohort dynamics of larval Pacific hake (Merluccius productus). California Cooperative Oceanic Fisheries Investigations. Reports, v.38, 1997. pp.63-68

CANN, J. R. (with Donna K. Blackman, D. K. Smith, E. McAllister, B. Janssen, S. Mello, E. Avgerinos, A. R. Pascoe, and J. Escartin). Corrugated slip surfaces formed at ridge-transform intersections on the Mid-Atlantic Ridge. Nature, v.385, 1997. pp.329-332

CANUTESON, ERIC L. (with Mark A. Zumberge and Jeffrey A. Hanson). An absolute method of vertical seismometer calibration by reference to a falling mass with application to the measurement of the gain. Bulletin of the Seismological Society of America, v.87, no.2, 1997. pp.484-493

CARNEVALE, G. F. (with O. U. Velasco Fuentes, and P. Orlandi). Inviscid dipole- vortex rebound from a wall or coast. Journal of Fluid Mechanics, v.351, 1997. pp.75-103

CARNEVALE, G. F. (with Marco Briscolini, R. C. Kloosterziel, and Geoffrey K. Vallis). Three-dimensionally perturbed vortex tubes in a rotating flow. Journal of Fluid Mechanics, v.341, 1997. pp.127-163

CASTILLO, PATERNO R. Origin and geodynamic implication of the Dupal isotopic anomaly in volcanic rocks from the Philippine island arcs. Geology, v.24, no.3, 1996. pp.271-274

CHADWICK, D. B. (with John L. Largier and R. T. Cheng). The role of thermal stratification in tidal exchange at the mouth of San Diego Bay. In: Buoyancy Effects on Coastal and Estuarine Dynamics. Coastal and Estuarine Studies Volume 53, edited by D. G. Aubrey and C. T. Friedrichs. Washington, D. C., American Geophysical Union, 1996. pp.155-174

CHECKLEY, DAVID M., JR. (with Peter B. Ortner, Lawrence R. Settle, and Shailer R. Cummings). A continuous, underway fish egg sampler. Fisheries Oceanography, v.6, no.2, 1997. pp.58-73

CHEN, JEN-PING (with Greg M. McFarquhar, A. Heymsfield, and V. Ramanathan). A modeling and observational study of the detailed microphysical structure of tropical cirrus anvils. Journal of Geophysical Research, v.102, no.D6, 1997. pp.6637-6653

CHEN, YONGZE (with Robert T. Guza and Steve Elgar). Modeling spectra of breaking surface waves in shallow water. Journal of Geophysical Research, v.102, no.C11, 1997. pp.25,035-25,046

CHENG, LANNA Disjunct distributions of Halobates (Hemiptera: Gerridae) in the Pacific Ocean. Pacific Science, v.51, no.2, 1997. pp.134-142

CHILUKURI, LAKSHMI N. (with P. A. G. Fortes and Douglas Bartlett). High pressure modulation of Escherichia coli DNA gyrase activity. Biochemical and Biophysical Research Communications, v.239, no.2, 1997. pp.552-556

CHILUKURI, LAKSHMI N. (with Douglas Bartlett). Isolation and characterization of the gene encoding single-stranded-DNA-binding protein (SSB). from four marine Shewanella strains that differ in their temperature and pressure optima for growth. Microbiology, v.143, 1997. pp.1163-1174

- COLLINS, MICHAEL D. (with B. Edward McDonald, W. A. Kuperman, and W. L. Siegmann). Jovian acoustic matched-field processing. Journal of the Acoustical Society of America, v.102, no.5, pt.1, 1997. pp.2487-2493
- CONANT, W. C. (with V. Ramanathan, Francisco P. J. Valero, and Jens Meywerk). An examination of the clear-sky solar absorption over the central equatorial Pacific: Observations versus models. Journal of Climate, v.10, 1997. pp.1874- 1884
- CRONIN, GREG (with Valerie J. Paul, Mark E. Hay, and William Fenical). Are tropical herbivores more resistant than temperate herbivores to seaweed chemical defenses? Diterpenoid metabolites from Dictyota acutiloba as feeding deterrents for tropical versus temperate fishes and urchins. Journal of Chemical Ecology, v.23, no.2, 1997. pp.289-302
- CUNNOLD, D. M. (with Ray F. Weiss, R. G. Prinn, D. E. Hartley, P. G. Simmonds, P. J. Fraser, B. R. Miller, F. N. Alyea, and L. Porter). GAGE/AGAGE measurements indicating reductions in global emissions of CCl3F and CCl2F2 in 1992-1994. Journal of Geophysical Research, v.102, no.D1, 1997. pp.1259-1269
- D'AMBROSIO, MICHELE (with Vassilios Roussis and William Fenical). Zoamides A-D: New marine zoanthoxanthin class alkaloids from an encrusting Philippine Parazoanthus sp. Tetrahedron Letters, v.38, no.5, 1997. pp.717-720
- DEANE, GRANT B. Sound generation and air entrainment by breaking waves in the surf zone. Journal of the Acoustical Society of America, v.102, no.5, pt.1, 1997. pp.2671-2689
- DEANE, GRANT B. (with Michael J. Buckingham and Christopher T. Tindle). Vertical coherence of ambient noise in shallow water overlying a fluid seabed. Journal of the Acoustical Society of America, v.102, no.6, 1997. pp.3413-3424
- DICKSON, ANDREW G. The development and use of reference materials for the quality control of oceanic CO2 measurements. In: Advances in Environmental Science, edited by C. S. P. Iyer. New Delhi, India, Educational Publishers & Distributors, 1997. pp.31-42
- DORMAN, L. M. Propagation in marine sediments. In: Encyclopedia of Acoustics, edited by Malcolm J. Crocker. New York, John Wiley & Sons, 1997. pp.409-416
- DRUFFEL, E. R. M. Geochemistry of corals: Proxies of past ocean chemistry, ocean circulation, and climate. Proceedings of the National Academy of Sciences of the United States of America, v.94, 1997. pp.8354-8361
- DRUFFEL, E. R. M. Pulses of rapid ventilation in the North Atlantic surface ocean during the past century. Science, v.275, 1997. pp.1454-1457
- EARLE, PAUL S. (with P. M. Shearer). Observations of PKKP precursors used to estimate small-scale topography on the core-mantle boundary. Science, v.277, 1997. pp.667-670

EGLINTON, TIMOTHY I. (with Bryan C. Benitez-Nelson, Ann Pearson, Ann P. McNichol, James E. Bauer, and E. R. M. Druffel). Variability in radiocarbon ages of individual organic compounds from marine sediments. Science, v.277, 1997. Pp.796-799

EILER, JOHN M. (with K. A. Farley, John W. Valley, Erik Hauri, Harmon Craig, S. R. Hart, and Edward M. Stolper). Oxygen isotope variations in ocean island basalt phenocrysts. Geochimica et Cosmochimica Acta, v.61, no.11, 1997. pp.2281-2293

ELGAR, STEVE (with Robert T. Guza, B. Raubenheimer, T. H. C. Herbers, and Edith L. Gallagher). Spectral evolution of shoaling and breaking waves on a barred beach. Journal of Geophysical Research, v.102, no.C7, 1997. pp.15,797-15,805

ELWANY, M. H. S. (with John Reitzel). Dye studies of dilution and flow near a multiport diffuser. Applied Ocean Research, v.19, 1997. pp.73-81

FAULKNER, D. JOHN Marine natural products. In: McGraw-Hill Yearbook of Science and Technology 1997. New York, McGraw-Hill Book Company, 1997. pp.290-291

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.14, no.3, 1997. pp.259-302

FENICAL, WILLIAM New pharmaceuticals from marine organisms. Trends in Biotechnology, v.15, no.9(164), 1997. pp.339-341

FENICAL, WILLIAM Sea Grant seeks new drugs from the sea. California Agriculture, v.51, no.4, 1997. pp.45-46, 48-49

FISHER, FREDERICK H. (with Peter F. Worcester). Essential oceanography. In: Encyclopedia of Acoustics, edited by Malcolm J. Crocker. New York, John Wiley & Sons, Inc., 1997. pp.381-389

FLATAU, MARIA (with Piotr J. Flatau, Patricia Phoebus, and Pearn P. Niiler). The feedback between equatorial convection and local radiative and evaporative processes: The implications for intraseasonal oscillations. Journal of the Atmospheric Sciences, v.54, 1997. pp.2373-2386

FRANKS, PETER J. S. Models of harmful algal blooms. Limnology and Oceanography, v.42, no.5, pt.2, 1997. pp.1273-1282

FRANKS, PETER J. S. New models for the exploration of biological processes at fronts. ICES Journal of Marine Science, v.54, 1997. pp.161-167

FRANKS, PETER J. S. (with Leonard J. Walstad). Phytoplankton patches at fronts: A model of formation and response to wind events. Journal of Marine Research, v.55, no.1, 1997. pp.1-29

FRANKS, PETER J. S. Spatial patterns in dense algal blooms. Limnology and Oceanography, v.42, no.5, pt.2, 1997. pp.1297-1305

- GODDARD, LISA (with Nicholas E. Graham). El Nino in the 1990s. Journal of Geophysical Research, v.102, no.C5, 1997. pp.10,423,-10,436
- GOLDBERG, EDWARD D. Changing ocean chemistry and impacts on living resources. In: Umi No Kenkyu. Tsukuba International Symposium 1997. Tokyo, Japan, Oceanographic Society of Japan. pp.73-77
- GOLDBERG, EDWARD D. Plasticizing the seafloor: An overview. Environmental Technology, v.18, 1997. pp.195-202
- GRAHAM, D. W. (with Paterno R. Castillo, J. E. Lupton, and R. Batiza). Correlated He and Sr isotope ratios in South Atlantic near-ridge seamounts and implications for mantle dynamics. Earth and Planetary Science Letters, v.144, 1996. pp.491-503
- GRAHAM, MICHAEL H. Factors determining the upper limit of giant kelp, Macrocystis pyrifera Agardh, along the Monterey Peninsula, central California, USA. Journal of Experimental Marine Biology and Ecology, v.218, 1997. pp.127- 149
- GRAHAM, WILLIAM M. (with John L. Largier). Upwelling shadows as nearshore retention sites: The example of northern Monterey Bay. Continental Shelf Research, v.17, no.5, 1997. pp.509-532
- GU, Z. Y. (with D. Lal, T. S. Liu, Z. T. Guo, J. Southon, and M. Caffee). Weathering histories of Chinese loess deposits based on uranium and thorium series nuclides and cosmogenic 10Be. Geochimica et Cosmochimica Acta, v.61, no.24, 1997. pp.5221-523
- HAUBEN, KRISTEL J. A. (with Douglas Bartlett, Carine C. F. Soontjens, Kris Cornelis, Elke Y. Wuytack, and Chris W. Michiels). Escherichia coli mutants resistant to inactivation by high hydrostatic pressure. Applied and Environmental Microbiology, v.63, no.3, 1997. pp.945-950
- HAYGOOD, MARGO G. (with Seana K. Davidson). Small-subunit rRNA genes and in situ hybridization with oligonucleotides specific for the bacterial symbionts in the larvae of the bryozoan Bugula neritina and proposal of "Candidatus Endobugula sertula." Applied and Environmental Microbiology, v.63, no.11, 1997. pp.4612-4616
- HAYWARD, THOMAS L. Pacific Ocean climate change: Atmospheric forcing, ocean circulation and ecosystem response. Trends in Ecology and Evolution, v.12, no.4, 1997. pp.150-154
- HEARN, C. J. (with John L. Largier). The summer buoyancy dynamics of a shallow mediterranean estuary and some effects of changing bathymetry: Tomales Bay, California. Estuarine, Coastal and Shelf Science, v.45, 1997. pp.497-506
- HEDLIN, MICHAEL A. H. (with P. M. Shearer and Paul S. Earle). Seismic evidence for small-scale heterogeneity throughout the Earth's mantle. Nature, v.387, 1997. pp.145-150
- HILDEBRAND, JOHN A. (with Mark A. McDonald and Spahr Webb). Microearthquakes at intermediate spreading-rate ridges: The cleft segment megaplume site on the Juan de Fuca Ridge. Bulletin of the Seismological Society of America, v.87, no.3, 1997. pp.684-691

HILDEBRAND, MARK (with Benjamin E. Volcani, Walter Gassmann, and Julian I. Schroeder). A gene family of silicon transporters. Nature, v.385, 1997. pp.688-689

HOPMANN, CORDULA (with D. John Faulkner). Lissoketal, a spiroketal from the Palauan ascidian Lissoclinum voeltzkowi. Tetrahedron Letters, v.38, no.2, 1997. pp.169-170

INAMDAR, A. K. (with V. Ramanathan). On monitoring the atmospheric greenhouse effect from space. Tellus, v.49B, 1997. pp.216-230

INMAN, DOUGLAS L. (with Scott A. Jenkins and M. H. S. Elwany). Wave climate cycles and coastal engineering practice. In: Coastal Engineering 1996, Volume 1, Proceedings of the Twenty-fifth International Conference, September 2-6, 1996, The Peabody Hotel, Orlando, Florida, edited by Billy L. Edge. New York, American Society of Civil Engineers, 1996. pp.314-327

JAMORA, COLIN (with Peter A. Takizawa, Rania F. Zaarour, Caroline Denesvre, D. John Faulkner, and Vivek Malhotra). Regulation of Golgi structure through heterotrimeric G proteins. Cell, v.91, 1997. pp.617-626

JANNEY, PHILIP E. (with Paterno R. Castillo). Basalts from the Central Pacific Basin: Evidence for the origin of Cretaceous igneous complexes in the Jurassic western Pacific. Journal of Geophysical Research, v.101, no.B2, 1996. pp.2875- 2893

JANNEY, PHILIP E. (with Paterno R. Castillo). Geochemistry of Mesozoic Pacific mid-ocean ridge basalt: Constraints on melt generation and the evolution of the Pacific upper mantle. Journal of Geophysical Research, v.102, no.B3, 1997. pp.5207-5229

JIANG, ZHI-DONG (with Paul R. Jensen and William Fenical). Actinoflavoside, a novel flavonoid-like glycoside produced by a marine bacterium of the genus Streptomyces. Tetrahedron Letters, v.38, no.29, 1997. pp.5065-5068

JOHNSON, HADLEY O. (with D. Agnew). Monument motion and measurements of crustal velocities. Geophysical Research Letters, v.22, no.21, 1995. pp.2905-2908

JONASZ, MIROSLAW (with Georges Fournier and Dariusz Stramski). Photometric immersion refractometry: A method for determining the refractive index of marine microbial particles from beam attenuation. Applied Optics, v.36, no.18, 1997. pp.4214-4225

KALMIJN, AD. J. Electric and near-field acoustic detection, a comparative study. Acta Physiologica Scandinavica, v.161, Supplement 638, 1997. pp.25-38

KANG, HEONJOONG (with William Fenical). Aplidiamine, a unique zwitterionic benzyl hydroxyadenine from the Western Australian marine ascidian Aplidiopsis sp. Tetrahedron Letters, v.38, no.6, 1997. pp.941-944

KANG, HEONJOONG (with William Fenical). Ningalins A-D: Novel aromatic alkaloids from a Western Australian ascidian of the genus Didemnum. Journal of Organic Chemistry, v.62, no.10, 1997. pp.3254-3262

KASTNER, MIRIAM (with Y. Zheng, T. Laier, W. Jenkins, and T. Ito). Geochemistry of fluids and flow regime in the d,collement zone at the northern Barbados Ridge. In: Proceedings of the Ocean Drilling Program, Scientific Results, v.156, edited by T. H. Shipley, Y. Ogawa, P. Blum, and J. M. Bahr. College Station, TX, Ocean Drilling Program, Texas A&M University, 1997. pp.311-319

KATO, C. (with Douglas Bartlett). The molecular biology of barophilic bacteria. Extremophiles, v.1, 1997. pp.111-116

KAUFMAN, Y. J. (with D. Tanre, H. R. Gordon, T. Nakajima, J. Lenoble, Robert Frouin, H. Grassl, B. M. Herman, M. D. King, and P. M. Teillet). Passive remote sensing of tropospheric aerosol and atmospheric correction for the aerosol effect. Journal of Geophysical Research, v.102, no.D14, 1997. pp.16,815-16,830

KILLWORTH, PETER D. (with Eddy C. Carmack, Ray F. Weiss, and Richard Matear). Modeling deepwater renewal in Lake Baikal. Limnology and Oceanography, v.41, no.7, 1996. pp.1521-1538

KLEY, D. (with H. Smit, H. V"mel, H. Grassl, V. Ramanathan, P. J. Crutzen, Stephen F. Williams, Jens Meywerk, and S. J. Oltmans). Tropospheric water-vapour and ozone cross-sections in a zonal plane over the central equatorial Pacific Ocean. Quarterly Journal of the Royal Meteorological Society, v.123, 1997. pp.2009-2040

KOLB, VERA (with Shibin Zhang, Yong Xu, and Gustaf Arrhenius). Mineral induced phosphorylation of glycolate ion - a metaphor in chemical evolution. Origins of Life and Evolution of the Biosphere, v.27, 1997. pp.485-503

KOOYMAN, GERALD L. (with Paul J. Ponganis). The challenges of diving to depth. American Scientist, v.85, 1997. pp.530-539

LABAUME, P. (with Miriam Kastner, A. Trave, and P. Henry). Carbonate veins from the d,collement zone at the toe of the northern Barbados accretionary prism: Microstructure, mineralogy, geochemistry, and relations with prism structures and fluid regime. In: Proceedings of the Ocean Drilling Program, Scientific Results, v.156, edited by T. H. Shipley, Y. Ogawa, P. Blum, and J. M. Bahr. College Station, TX, Ocean Drilling Program, Texas A&M University, 1997. pp.79-96

LAI, N. CHIN (with Keith E. Korsmeyer, Steven Katz, David B. Holts, Leeanne M. Laughlin, and Jeffrey B. Graham). Hemodynamics and blood properties of the shortfin make shark (Isurus oxyrinchus). Copeia, no.2, 1997. pp.424-428

LAL, D. (with A. J. T. Jull, G. S. Burr, and D. J. Donahue). Measurements of in situ 14C concentrations in Greenland Ice Sheet Project 2 ice covering a 17-kyr time span: Implications to ice flow dynamics. Journal of Geophysical Research, v.102, no.C12, 1997. pp.26,505-26,510

- LANGBEIN, JOHN (with Hadley O. Johnson). Correlated errors in geodetic time series: Implications for time-dependent deformation. Journal of Geophysical Research, v.102, no.B1, 1997. pp.591-603
- LANGE, C. B. (with A. L. Weinheimer, Freda M. H. Reid, and R. C. Thunell). Sedimentation patterns of diatoms, radiolarians, and silicoflagellates in Santa Barbara Basin, California. California Cooperative Oceanic Fisheries Investigations. Reports, v.38, 1997. pp.161-170
- LARGIER, JOHN L. (with J. T. Hollibaugh and S. V. Smith). Seasonally hypersaline estuaries in Mediterranean-climate regions. Estuarine, Coastal and Shelf Science, v.45, 1997. pp.789-797
- LEE, NAM-KYUNG (with William Fenical and Niels Lindquist). Alternatamides A-D: New bromotryptamine peptide antibiotics from the Atlantic marine bryozoan Amathia alternata. Journal of Natural Products, v.60, no.7, 1997. pp.697-699
- LEE, WAN-HO (with Sam Iacobellis and Richard C. J. Somerville). Cloud radiation forcings and feedbacks: General circulation model tests and observational validation. Journal of Climate, v.10, 1997. pp.2479-2496
- LEVIN, LISA A. (with S. Edesa). The ecology of cirratulid mudballs on the Oman margin, northwest Arabian Sea. Marine Biology, v.128, 1997. pp.671-678
- LEVIN, LISA A. (with Neal E. Blair, David J. DeMaster, Gayle Plaia, W. Fornes, C. Martin, and C. Thomas). Rapid subduction of organic matter by maldanid polychaetes on the North Carolina slope. Journal of Marine Research, v.55, 1997. pp.595-611
- LEWIN, RALPH A. Saprospira grandis: A flexibacterium that can catch bacterial prey by "ixotrophy." Microbial Ecology, v.34, 1997. pp.232-236
- LEWIN, RALPH A. Symbiotic algae and essential amino-acids. Algological Studies, v.84, 1997. pp.123-127
- LINDEL, THOMAS (with Paul R. Jensen, William Fenical, Byron H. Long, Anna Maria Casazza, Joan Carboni, and Craig Fairchild). Eleutherobin, a new cytotoxin that mimics paclitaxel (Taxol). by stabilizing microtubules. Journal of the American Chemical Society, v.119, no.37, 1997. pp.8744-8745
- LIPPMANN, T. C. (with R. A. Holman and A. J. Bowen). Generation of edge waves in shallow water. Journal of Geophysical Research, v.102, no.C4, 1997. pp.8663-8679
- LU, QING (with D. John Faulkner). Two 11a-acetoxysterols from the Palauan soft coral Lobophytum cf. pauciflorum. Natural Product Letters, v.10, 1997. pp.231- 237
- LU, QING (with D. John Faulkner). Two new sesterterpenoids and a new 9,11- secosterol from Spongia matamata. Journal of Natural Products, v.60, no.2, 1997. pp.195-198

LUBIN, DAN (with A. Sabrina Simpson). Measurement of surface radiation fluxes and cloud optical properties during the 1994 Arctic Ocean Section. Journal of Geophysical Research, v.102, no.D4, 1997. pp.4275-4286

LUBIN, DAN (with Caren Garrity, Rene O. Ramseier, and R. H. Whritner). Total sea ice concentration retrieval from the SSM/I 85.5 GHz channels during the Arctic summer. Remote Sensing of Environment, v.62, 1997. pp.63-76

MATRAI, PATRICIA A. (with M. Vernet). Dynamics of the vernal bloom in the marginal ice zone of the Barents Sea: Dimethyl sulfide and dimethylsulfoniopropionate budgets. Journal of Geophysical Research, v.102, no.C10, 1997. pp.22,965-22,979

MENEMENLIS, D. (with D. Stammer, Carl Wunsch, Brian D. Dushaw, and the ATOC group). Preliminary estimates of North Pacific circulation from combined altimetry, acoustic tomography, and a general circulation model. International WOCE Newsletter, no.25, 1997. pp.7-10, 21

MENSCH, MANFRED (with R. Bayer, J. L. Bullister, Peter Schlosser, and Ray F. Weiss). The distribution of tritium and CFCs in the Weddell Sea during the mid- 1980s. Progress in Oceanography, v.38, 1996. pp.377-415

METSCHER, BRIAN D. (with R. Glenn Northcutt, David M. Gardiner, and Susan V. Bryant). Homeobox genes in axolotl lateral line placodes and neuromasts. Development Genes and Evolution, v.207, 1997. pp.287-295

MILES, JOHN W. Generation of surface waves by wind. Applied Mechanics Reviews, v.50, no.7, 1997. pp.R5-R9

MILES, JOHN W. On Janssen's model for surface wave generation by a gusty wind. Journal of Physical Oceanography, v.27, no.4, 1997. pp.592-593

MILES, JOHN W. (with Rick Salmon). On the vorticity of long gravity waves in water of variable depth. Wave Motion, v.25, 1997. pp.273-274

MILLER, ARTHUR J. (with Warren B. White and Daniel R. Cayan). North Pacific thermocline variations on ENSO timescales. Journal of Physical Oceanography, v.27, 1997. pp.2023-2039

MITCHELL, B. G. (with Piotr J. Flatau, Mati Kahru, and Curtis D. Mobley). Ocean optics in the California Current: Observations and theory. In: Ocean Optics XIII, 22-25 October 1996, Halifax, Nova Scotia, Canada. SPIE Volume 2963, convened/edited by Steven G. Ackleson and Robert Frouin. Bellingham, Washington, SPIE-International Society for Optical Engineering, 1997. pp.714-724

MOBLEY, CURTIS D. (with Dariusz Stramski). Effects of microbial particles on oceanic optics: Methodology for radiative transfer modeling and example simulations. Limnology and Oceanography, v.42, no.3, 1997. pp.550-560

MORTYN, P. GRAHAM (with R. C. Thunell). Biogenic sedimentation and surface productivity changes in the Southern California Borderlands during the last glacial-interglacial cycle. Marine Geology, v.138, 1997. pp.171-192

MULLER, ELMAR L. (with D. John Faulkner). Absolute configuration of halisulfate 3 from the sponge Ircinia sp. Tetrahedron, v.53, no.15, 1997. pp.5373-5378

MULLIN, MICHAEL M. The demography of Calanus pacificus during winter spring Californian El Nino conditions, 1992 1993: Implications for anchovy? Fisheries Oceanography, v.6, no.1, 1997. pp.10-18

NAJJAR, RAYMOND G. (with Ralph F. Keeling). Analysis of the mean annual cycle of the dissolved oxygen anomaly in the World Ocean. Journal of Marine Research, v.55, 1997. pp.117-151

NORTHCUTT, R. GLENN (with Helmut Wicht). Afferent and efferent connections of the lateral and medial pallia of the silver lamprey. Brain, Behavior and Evolution, v.49, 1997. pp.1-19

NORTHCUTT, R. GLENN Evolution of gnathostome lateral line ontogenies. Brain, Behavior and Evolution, v.50, 1997. pp.25-37

O'BRIEN, MICHAEL S. (with Catherine G. Constable and Robert L. Parker). Frozen- flux modelling for epochs 1915 and 1980. Geophysical Journal International, v.128, 1997. pp.434-450

OHMAN, MARK D. On the determination of zooplankton lipid content and the occurrence of gelatinous copepods. Journal of Plankton Research, v.19, no.9, 1997. pp.1235-1250

PARKER, ROBERT L. Coherence of signals from magnetometers on parallel paths. Journal of Geophysical Research, v.102, no.B3, 1997. pp.5111-5117

PARKER, ROBERT L. (with Michael S. O'Brien). Spectral analysis of vector magnetic field profiles. Journal of Geophysical Research, v.102, no.B11, 1997. pp.24,815-24,824

PATIL, ASHOK D. (with Alan J. Freyer, Paul B. Taylor, Brad Carte, Gary Zuber, Randall K. Johnson, and D. John Faulkner). Batzelladines F I, novel alkaloids from the sponge Batzella sp.: Inducers of p56lck-CD4 dissociation. Journal of Organic Chemistry, v.62, no.6, 1997. pp.1814-1819

PATIL, ASHOK D. (with Alan J. Freyer, Rex Reichwein, Brad Carte, Lewis B. Killmer, Leo Faucette, Randall K. Johnson, and D. John Faulkner). Fasicularin, a novel tricyclic alkaloid from the ascidian Nephteis fasicularis with selective activity against a DNA repair-deficient organism. Tetrahedron Letters, v.38, no.3, 1997. pp.363-364

PAUL, ANDRE (with Wolfgang H. Berger). Modellierung der Eiszeiten: Klimazyklen und Klimaubergange. Geowissenschaften, v.15, no.1, 1997. pp.20-27

PINKEL, ROBERT (with Steven Anderson). Shear, strain, and Richardson number variations in the thermocline. Part I: Statistical description. Journal of Physical Oceanography, v.27, no.2, 1997. pp.264-281

PINKEL, ROBERT (with Steven Anderson). Shear, strain, and Richardson number variations in the thermocline. Part II: Modeling Mixing. Journal of Physical Oceanography, v.27, no.2, 1997. pp.282-290

PINKEL, ROBERT (with Mark A. Merrifield, M. J. McPhaden, J. Picaut, S. Rutledge, D. Siegel, and Libe Washburn). Solitary waves in the western Equatorial Pacific Ocean. Geophysical Research Letters, v.24, no.13, 1997. pp.1603-1606

PINTO, ANGELO C. (with Moacir G. Pizzolatti, Rosangela de A. Epifanio, Walter Frankmolle, and William Fenical). The isolation of novel diterpenoids, including a C40 Bis-diterpenoid, from the Brazilian plant Vellozia magdalenae (Velloziaceae). Tetrahedron, v.53, no.6, 1997. pp.2005-2012

PONGANIS, PAUL J. (with Gerald L. Kooyman, Eugene A. Baranov, Philip H. Thorson, and Brent S. Stewart). The aerobic submersion limit of Baikal seals, Phoca sibirica. Canadian Journal of Zoology, v.75, 1997. pp.1323-1327

PONGANIS, PAUL J. (with Gerald L. Kooyman, L. M. Winter, and L. N. Starke). Heart rate and plasma lactate responses during submerged swimming and trained diving in California sea lions, Zalophus californianus. Journal of Comparative Physiology B, v.167, 1997. pp.9-16

PONGANIS, PAUL J. (with Gerald L. Kooyman, L. N. Starke, C. A. Kooyman, and Tory G. Kooyman). Post-dive blood lactate concentrations in emperor penguins, Aptenodytes forsteri. Journal of Experimental Biology, v.200, 1997. pp.1623-1626

PONGANIS, PAUL J. (with M. L. Costello, L. N. Starke, O. Mathieu-Costello, and Gerald L. Kooyman). Structural and biochemical characteristics of locomotory muscles of emperor penguins, Aptenodytes forsteri. Respiration Physiology, v.109, 1997. pp.73-80

PRAWIRODIRDJO, L. (with Yehuda Bock, R. McCaffrey, Joachim F. Genrich, Eric Calais, C. Stevens, S. S. O. Puntodewo, C. Subarya, J. Rais, P. Zwick, and Fauzi). Geodetic observations of interseismic strain segmentation at the Sumatra subduction zone. Geophysical Research Letters, v.24, no.21, 1997. pp.2601-2604

RAHN, THOM (with M. Wahlen). Stable isotope enrichment in stratospheric nitrous oxide. Science, v.278, 1997. pp.1776-1778

RAMANATHAN, V. (with Andrew M. Vogelmann). Greenhouse effect, atmospheric solar absorption and the earth's radiation budget: From the Arrhenius-Langley era to the 1990s. Ambio, v.26, no.1, 1997. pp.38-46

REDDY, M. VENKATA RAMI (with Mary Kay Harper and D. John Faulkner). Luffasterols A C, 9,11-secosterols from the Palauan sponge Luffariella sp. Journal of Natural Products, v.60, no.1, 1997. pp.41-43

REDDY, M. VENKATA RAMI (with D. John Faulkner, Yenamandra Venkateswarlu, and M. Rama Rao). New lamellarin alkaloids from an unidentified ascidian from the Arabian Sea. Tetrahedron, v.53, no.10, 1997. pp.3457-3466

REDDY, M. VENKATA RAMI (with D. John Faulkner). 3 ,3' -dimethylxestospongin C, a new bis-1-oxaquinolizidine alkaloid from the Palauan sponge Xestospongia sp. Natural Product Letters, v.11, 1997. pp.53-59

REID, JOSEPH L. On the total geostrophic circulation of the Pacific Ocean: Flow patterns, tracers, and transports. Progress in Oceanography, v.39, 1997. pp.263-352

REYNOLDS, RICK A. (with Dariusz Stramski and D. A. Kiefer). The effect of nitrogen limitation on the absorption and scattering properties of the marine diatom Thalassiosira pseudonana. Limnology and Oceanography, v.42, no.5, 1997. pp.881-892

RICHARDS-DINGER, K. B. (with P. M. Shearer). Estimating crustal thickness in southern California by stacking PmP arrivals. Journal of Geophysical Research, v.102, no.B7, 1997. pp.15,211-15,224

RIDGWAY, J. R. (with J. Bernard Minster, N. Williams, J. L. Bufton, and W. B. Krabill). Airborne laser altimeter survey of Long Valley, California. Geophysical Journal International, v.131, 1997. pp.267-280

ROADS, JOHN OWEN (with S. Chen, M. Kanamitsu, and H. Juang). GDAS's GCIP energy budgets. Journal of the Atmospheric Sciences, v.54, 1997. pp.1776-1794

ROHR, J. J. (with Jeff Allen, Jon Losee, and Michael I. Latz). The use of bioluminescence as a flow diagnostic. Physics Letters A, v.228, 1997. pp.408-416

RUDNICK, DANIEL L. Direct velocity measurements in the Samoan Passage. Journal of Geophysical Research, v.102, no.C2, 1997. pp.3293-3302

RUDNICK, DANIEL L. (with Robert A. Weller, Charles C. Eriksen, T. D. Dickey, J. Marra, and Christopher Langdon). Moored instruments weather Arabian Sea monsoons, yield data. Eos, v.78, no.11, 1997. pp.117, 120-121

RYGAARD-HJALSTED, C. (with Catherine G. Constable and Robert L. Parker). The influence of correlated crustal signals in modelling the main geomagnetic field. Geophysical Journal International, v.130, 1997. pp.717-726

SANDWELL, DAVID T. (with Catherine L. Johnson, Frank Bilotti, and John Suppe). Driving forces for limited tectonics on Venus. Icarus, v.129, 1997. pp.232-244

SANDWELL, DAVID T. (with Walter H. F. Smith). Marine gravity anomaly from Geosat and ERS 1 satellite altimetry. Journal of Geophysical Research, v.102, no.B5, 1997. pp.10,039-10,054

SCHMIDT, ERIC W. (with Mary Kay Harper and D. John Faulkner). Mozamides A and B, cyclic peptides from a Theonellid sponge from Mozambique. Journal of Natural Products, v.60, no.8, 1997. pp.779-782

SCHNEIDER, NIKLAS (with Tim P. Barnett). Indonesian throughflow in a coupled general circulation model. Journal of Geophysical Research, v.102, no.C6, 1997. pp.12,341-12,358

- SCHULZ, J. R. (with G. M. Wessel and Victor D. Vacquier). The exocytosis regulatory proteins syntaxin and VAMP are shed from sea urchin sperm during the acrosome reaction. Developmental Biology, v.191, 1997. pp.80-87
- SEVERINGHAUS, JEFFREY P. (with Ralph F. Keeling, B. R. Miller, Ray F. Weiss, B. Deck, and Wallace S. Broecker). Feasibility of using sand dunes as archives of old air. Journal of Geophysical Research, v.102, no.D14, 1997. pp.16,783-16,792
- SEYMOUR, RICHARD J. Tidal and wave energy. In: Encyclopedia of Applied Physics, v.21, edited by George L. Trigg. New York, Wiley-VCH Verlag GmbH, 1997. pp.453-466
- SHEARER, P. M. Improving local earthquake locations using the L1 norm and waveform cross correlation: Application to the Whitter Narrows, California, aftershock sequence. Journal of Geophysical Research, v.102, no.B4, 1997. pp.8269-8283
- SHEDLOCK, ANDREW M. (with Margo G. Haygood, Theodore W. Pietsch, and Paul Bentzen). Enhanced DNA extraction and PCR amplification of mitochondrial genes from formalin-fixed museum specimens. BioTechniques, v.22, no.3, 1997. pp.394, 396, 398, 400
- SHEN, YANG (with Donald W. Forsyth, James Conder, and L. M. Dorman). Investigation of microearthquake activity following an intraplate teleseismic swarm on the west flank of the Southern East Pacific Rise. Journal of Geophysical Research, v.102, no.B1, 1997. pp.459-475
- SHEREMET, Vitalii A. (with G. R. Ierley and V. M. Kamenkovich). Eigenanalysis of the two-dimensional wind-driven ocean circulation problem. Journal of Marine Research, v.55, 1997. pp.57-92
- SMITH, H. J. (with M. Wahlen, D. Mastroianni, and K. C. Taylor). The CO2 concentration of air trapped in GISP2 ice from the last glacial maximum-Holocene transition. Geophysical Research Letters, v.24, no.1, 1997. pp.1-4
- SMITH, H. J. (with M. Wahlen, D. Mastroianni, K. C. Taylor, and P. Mayewski). The CO2 concentration of air trapped in Greenland Ice Sheet Project 2 ice formed during periods of rapid climate change. Journal of Geophysical Research, v.102, no.C12, 1997. pp.26,577-26,582
- SMITH, JEROME (with Karl F. Rieder). Wave induced motion of FLIP. Ocean Engineering, v.24, no.2, 1997. pp.95-110
- SMITH, WALTER H. F. (with David T. Sandwell). Global sea floor topography from satellite altimetry and ship depth soundings. Science, v.277, 1997. pp.1956- 1962
- SOHN, ROBERT A. (with Spahr Webb, John A. Hildebrand, and B. Cornuelle). Three-dimensional tomographic velocity structure of upper crust, CoAxial segment, Juan de Fuca Ridge: Implications for on-axis evolution and hydrothermal circulation. Journal of Geophysical Research, v.102, no.B8, 1997. pp.17,679-17,695

SOUTHWARD, A. J. (with William A. Newman, V. Tunnicliffe, D. Scheirer, and K. Johnson). Biological indicators confirm hydrothermal venting on the Southeast Indian Ridge. BRIDGE Newsletter, v.12, 1997. pp.35-39

SOWERS, T. (with Ed Brook, David Etheridge, Thomas Blunier, Andreas Fuchs, Markus Leuenberger, Jerome Chappellaz, Jean Marc Barnola, M. Wahlen, B. Deck, and Connie Weyhenmeyer). An interlaboratory comparison of techniques for extracting and analyzing trapped gases in ice cores. Journal of Geophysical Research, v.102, no.C12, 1997. pp.26,527-26,538

STERNLICHT, D. D. (with Christian de Moustier). Temporal modeling of high frequency (30 - 100 kHz). acoustic seafloor backscatter: Shallow water results. In: High Frequency Acoustics in Shallow Water, Proceedings of a conference held in Lerici, Italy, 30 June to 4 July, 1997, edited by Nicholas G. Pace, et al. La Spezia, NATO SACLANT Undersea Research Centre, 1997. pp.509-516

STRAMSKI, DARIUSZ (with Curtis D. Mobley). Effects of microbial particles on oceanic optics: A database of single-particle optical properties. Limnology and Oceanography, v.42, no.3, 1997. pp.538-549

SUGIHARA, GEORGE (with Louis-Felix Bersier and Kenneth Schoenly). Effects of taxonomic and trophic aggregation on food web properties. Oecologia, v.112, 1997. pp.272-284

SWANSON, WILLIE J. (with Victor D. Vacquier). The abalone egg vitelline envelope receptor for sperm lysin is a giant multivalent molecule. Proceedings of the National Academy of Sciences of the United States, v.94, 1997. pp.6724-6729

TAKAHASHI, TARO (with Richard A. Feely, Ray F. Weiss, Rik H. Wanninkhof, David W. Chipman, Stewart C. Sutherland, and Timothy T. Takahashi). Global air-sea flux of CO2: An estimate based on measurements of sea-air pCO2 difference. Proceedings of the National Academy of Sciences of the United States, v.94, 1997. pp.8292-8299

TAUXE, LISA (with Paul Hartl). 11 million years of Oligocene geomagnetic field behaviour. Geophysical Journal International, v.128, 1997. pp.217-229

TEBBENS, S. F. (with Steve C. Cande, L. Kovacs, J. C. Parra, John L. LaBrecque, and H. Vergara). The Chile ridge: A tectonic framework. Journal of Geophysical Research, v.102, no.B6, 1997. pp.12,035-12,059

TEBBENS, S. F. (with Steve C. Cande). Southeast Pacific tectonic evolution from early Oligocene to Present. Journal of Geophysical Research, v.102, no.B6, 1997. pp.12,061-12,084

TEBO, BRADLEY M. (with William C. Ghiorse, Lorraine G. van Waasbergen, Patricia L. Siering, and Ron Caspi). Bacterially mediated mineral formation: Insights into manganese(II). oxidation from molecular genetic and biochemical studies. In: Geomicrobiology: Interactions between Microbes and Minerals. Reviews in Mineralogy, Volume 35, edited by J. F. Banfield and K. H. Nealson. Washington, D. C., Mineralogical Society of America, 1997. pp.225-266

TEGNER, MIA J. (with Paul K. Dayton, Peter B. Edwards, and Kristin L. Riser). Large-scale, low-frequency oceanographic effects on kelp forest succession: A tale of two cohorts. Marine Ecology Progress Series, v.146, 1997. pp.117-134

THOMAS, WILLIAM H. (with P. A. Broady). Distribution of coloured snow and associated algal genera in New Zealand. New Zealand Journal of Botany, v.35, 1997. pp.113-117

TOURRE, YVES M. (with Warren B. White). Evolution of the ENSO signal over the Indo-Pacific domain. Journal of Physical Oceanography, v.27, no.5, 1997. pp.683-696

VACQUIER, VICTOR D. (with Gary W. Moy). The fucose sulfate polymer of egg jelly binds to sperm REJ and is the inducer of the sea urchin sperm acrosome reaction. Developmental Biology, v.192, 1997. pp.125-135

VACQUIER, VICTOR D. (with Willie J. Swanson and Youn-Ho Lee). Positive Darwinian selection on two homologous fertilization proteins: What is the selective pressure driving their divergence? Journal of Molecular Evolution, v.44, Supplement 1, 1997. pp.S15-S22

VALERO, FRANCISCO P. J. (with R. D. Cess, Minghua Zhang, Shelly K. Pope, Anthony Bucholtz, Brett C. Bush, and John Vitko, Jr.). Absorption of solar radiation by the cloudy atmosphere: Interpretations of collocated aircraft measurements. Journal of Geophysical Research, v.102, no.D25, 1997. pp.29,917-29,927

VALERO, FRANCISCO P. J. (with Anthony Bucholtz, Brett C. Bush, Shelly K. Pope, William Collins, Piotr J. Flatau, Anthony W. Strawa, and Warren J. Y. Gore). Atmospheric Radiation Measurements Enhanced Shortwave Experiment (ARESE): Experimental and data details. Journal of Geophysical Research, v.102, no.D25, 1997. pp.29,929-29,937

VALERO, FRANCISCO P. J. (with William Collins, Peter Pilewskie, Anthony Bucholtz, and Piotr J. Flatau). Direct radiometric observations of the water vapor greenhouse effect over the equatorial Pacific Ocean. Science, v.275, 1997. pp.1773-1776

VANHOFF, BARRY (with Steve Elgar and Robert T. Guza). Numerically simulating non-Gaussian sea surfaces. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.123, no.2, 1997. pp.68-72

VERVOORT, HELENE (with Sarah E. Richards-Gross, William Fenical, Angela Y. Lee, and Jon Clardy). Didemnimides A D: Novel, predator-deterrent alkaloids from the Caribbean mangrove ascidian Didemnum conchyliatum. Journal of Organic Chemistry, v.62, no.5, 1997. pp.1486-1490

WARNER, M. J. (with J. L. Bullister, D. P. Wisegarver, R. H. Gammon, and Ray F. Weiss). Basin-wide distributions of chlorofluorocarbons CFC-11 and CFC-12 in the North Pacific: 1985-1989. Journal of Geophysical Research, v.101, no.C9, 1996. pp.20,525-20,542

WDOWINSKI, SHIMON (with Yehuda Bock, J. Zhang, Peng Fang, and Joachim F. Genrich). Southern California Permanent GPS Geodetic Array: Spatial filtering of daily positions for estimating coseismic and postseismic displacements induced by the 1992 Landers earthquake. Journal of Geophysical Research, v.102, no.B8, 1997. pp.18,057-18,070

WEAVER, C. P. (with V. Ramanathan). Relationships between large-scale vertical velocity, static stability, and cloud radiative forcing over Northern Hemisphere extratropical oceans. Journal of Climate, v.10, 1997. pp.2871-2887

WEBB, JACQUELINE F. (with R. Glenn Northcutt). Morphology and distribution of pit organs and canal neuromasts in non-teleost bony fishes. Brain, Behavior and Evolution, v.50, 1997. pp.139-151

WEINHEIMER, A. L. (with Daniel R. Cayan). Radiolarian assemblages from Santa Barbara Basin sediments: Recent interdecadal variability. Paleoceanography, v.12, no.5, 1997. pp.658-670

WELCH, T. J. (with Douglas Bartlett). Cloning, sequencing and overexpression of the gene encoding malate dehydrogenase from the deep-sea bacterium Photobacterium species strain SS9. Biochimica et Biophysica Acta, v.1350, 1997. pp.41-46

WHITE, WARREN B. (with Judith Lean, Daniel R. Cayan, and Michael D. Dettinger). Response of global upper ocean temperature to changing solar irradiance. Journal of Geophysical Research, v.102, no.C2, 1997. pp.3255-3266

WIGGINS, SEAN M. (with L. M. Dorman and B. Cornuelle). Topography can affect linearization in tomographic inversions. Geophysics, v.62, no.6, 1997. pp.1797-1803

WING, STEPHEN R. (with Louis W. Botsford, John L. Largier, and Lance E. Morgan). Spatial structure of relaxation events and crab settlement in the northern California upwelling system. Marine Ecology Progress Series, v.128, 1995. pp.199-211

WORCESTER, PETER F. (with Kevin R. Hardy, David Horwitt, and Douglas A. Peckham). Deep ocean data recovery module: Pop-up buoy enables recovery of 2.1 gigabytes of data without interruption from deep ocean instrumentation. Sea Technology, v.38, no.2, 1997. pp.10-13

YAMAGUCHI, TOSHIYUKI (with William A. Newman). Eochionelasmus paquensis, new species (Cirripedia: Balanomorpha), from 17 25'S, north of Easter Island: First record of a sessile hydrothermal barnacle from the East Pacific Rise. Journal of Crustacean Biology, v.17, no.3, 1997. pp.488-496

YAMAGUCHI, TOSHIYUKI (with William A. Newman). The hydrothermal vent barnacle Eochionelasmus (Cirripedia, Balanomorpha). from the North Fiji, Lau and Manus Basins, South-West Pacific. Zoosystema, v.19, no.4, 1997. pp.623-649

YOU, C.-F. (with Paterno R. Castillo, Joris M. Gieskes, L. H. Chan, and Arthur J. Spivack). Trace element behavior in hydrothermal experiments: Implications for fluid processes at shallow depths in subduction zones. Earth and Planetary Science Letters, v.140, 1996. pp.41-52

ZENDER, CHARLES S. (with Brett C. Bush, Shelly K. Pope, Anthony Bucholtz, William Collins, J. T. Kiehl, Francisco P. J. Valero, and John Vitko Jr.). Atmospheric absorption during the Atmospheric Radiation Measurement (ARM). Enhanced Shortwave Experiment (ARESE). Journal of Geophysical Research, v.102, no.D25, 1997. pp.29,901-29,915

ZHANG, GUANG JUN A further study on estimating surface evaporation using monthly mean data: Comparison of bulk formulations. Journal of Climate, v.10, 1997. pp.1592-1600

ZHANG, J. (with Yehuda Bock, Hadley O. Johnson, Peng Fang, Simon Williams, Joachim F. Genrich, Shimon Wdowinski, and Jeff Behr). Southern California Permanent GPS Geodetic Array: Error analysis of daily position estimates and site velocities. Journal of Geophysical Research, v.102, no.B8, 1997. pp.18,035-18,055

ZHAO, DAPENG (with Yingbiao Xu, Douglas A. Wiens, L. M. Dorman, John A. Hildebrand, and Spahr Webb). Depth extent of the Lau back-arc spreading center and its relation to subduction processes. Science, v.278, 1997. pp.254-257

ZUMBERGE, MARK A. Precise optical path length measurement through an optical fiber: Application to seafloor strain monitoring. Ocean Engineering, v.24, no.6, 1997. pp.531-542

ZUMBERGE, MARK A. (with J. R. Ridgway and John A. Hildebrand). A towed marine gravity meter for near-bottom surveys. Geophysics, v.62, no.5, 1997. pp.1386-1393

AAGAARD, K. (with L. A. Barrie, Eddy C. Carmack, Caren Garrity, E. P. Jones, Dan Lubin, R. W. Macdonald, James H. Swift, W. B. Tucker, P. A. Wheeler, and R. H. Whritner). U.S., Canadian researchers explore Arctic Ocean. Eos, v.77, no.22, 1996. pp.209, 213

AUAD, GUILLERMO (with Arthur J. Miller and Warren B. White). Simulation of heat storages and associated heat budgets in the Pacific Ocean 1. El Nino-Southern Oscillation timescale. Journal of Geophysical Research, v.103, no.C12, 1998. pp.27,603-27,620

AUAD, GUILLERMO (with Arthur J. Miller and Warren B. White). Simulation of heat storages and associated heat budgets in the Pacific Ocean 2. Interdecadal timescale. Journal of Geophysical Research, v.103, no.C12, 1998. pp.27,621-27,635

BABCOCK, JEFFREY M. (with Alistair Harding, G. M. Kent, and John A. Orcutt). An examination of along-axis variation of magma chamber width and crustal structure on the East Pacific Rise between 13 30'N and 12 20'N. Journal of Geophysical Research, v.103, no.B12, 1998. pp.30,451-30,467

BACASTOW, ROBERT (with Richard K. Dewey and Gilbert R. Stegen). Effectiveness of CO2 sequestration in the pre- and post-industrial oceans. Waste Management, v.17, no.5/6, 1997. pp.315-322

BAGGEROER, ARTHUR (with T. G. Birdsall, C. Clark, John A. Colosi, B. Cornuelle, D. Costa, Brian D. Dushaw, Matthew Dzieciuch, A. M. G. Forbes, C. Hill, Bruce M. Howe, J. Marshall, D. Menemenlis, J. A. Mercer, K. Metzger, Walter H. Munk, Robert C. Spindel, D. Stammer, Peter F. Worcester, and Carl Wunsch). Ocean climate change: Comparison of acoustic tomography, satellite altimetry, and modeling. Science, v.281, 1998. pp.1327-1332

BAKER, KAREN S. Palmer LTER information management. In: Data and Information Management in the Ecological Sciences: A Resource Guide, edited by William K. Michener, John H. Porter, and Susan G. Stafford. Albuquerque, New Mexico, LTR Network Office, University of New Mexico, 1998. pp.105-110

BALLU, VALERIE S. (with John A. Hildebrand and Spahr Webb). Seafloor gravity evidence for hydrothermal alteration of the sediments in Middle Valley, Juan de Fuca Ridge. Marine Geology, v.150, 1998. pp.99-111

BARKER, BRIAN (with Michael Clark, Peter Davis, Mark Fisk, Michael A. H. Hedlin, Hans Israelsson, Vitaly Khalturin, Won-Young Kim, Keith McLaughlin, Charles Meade, John Murphy, Robert North, John A. Orcutt, Chris Powell, Paul G. Richards, Richard Stead, Jeffry Stevens, Frank Vernon, and Terry Wallace). Monitoring nuclear tests. Science, v.281, 1998. pp.1967-1968

BARNETT, TIM P. (with Gabriele C. Hegerl, Ben Santer, and Karl Taylor). The potential effect of GCM uncertainties and internal atmospheric variability on anthropogenic signal detection. Journal of Climate, v.11, 1998. pp.659-675

BAZIN, SARA (with Harm van Avendonk, Alistair Harding, John A. Orcutt, J. Pablo Canales, and R. S. Detrick). Crustal structure of the flanks of the East Pacific Rise: Implications for overlapping spreading centers. Geophysical Research Letters, v.25, no.12, 1998. pp.2213-2216

BEARDSLEY, ROBERT C. (with Edward P. Dever, S. J. Lentz, and Jerome P. Dean). Surface heat flux variability over the northern California shelf. Journal of Geophysical Research, v.103, no.C10, 1998. pp.21,553-21,586

BELOFSKY, GILBERT N. (with Paul R. Jensen, Matthew K. Renner, and William Fenical). New cytotoxic sesquiterpenoid nitrobenzoyl esters from a marine isolate of the fungus Aspergillus versicolor. Tetrahedron, v.54, 1998. pp.1715-1724

BERGER, WOLFGANG H. (with G. Wefer, C. Richter, C. B. Lange, J. Giraudeau, O. Hermelin, and Shipboard Scientific Party). The Angola-Benguela upwelling system: Paleoceanographic synthesis of shipboard results from Leg 175. In: Proceedings of the Ocean Drilling Program, Initial Reports, Benguela Current, v.175, pt.1, edited by G. Wefer, W. H. Berger, C. Richter, et al. College Station, TX, Ocean Drilling Program, Texas A&M University, 1998. pp.505-531

BERGER, WOLFGANG H. (with G. Wefer, C. Richter, and Shipboard Scientific Party). Color cycles in quaternary sediments from the Congo Fan region (Site 1075): A statistical analysis. In: Proceedings of the Ocean Drilling Program, Initial Reports, Benguela Current, v.175, pt.1, edited by G. Wefer, W. H. Berger, C. Richter, et al. College Station, TX, Ocean Drilling Program, Texas A&M University, 1998. pp.561-567

BERGER, WOLFGANG H. (with C. B. Lange). Silica depletion in the thermocline of the glacial North Pacific: Corollaries and implications. Deep-Sea Research II, v.45, 1998. pp.1885-1904

BERWALD, JULI (with Dariusz Stramski, Curtis D. Mobley, and D. A. Kiefer). Effect of Raman scattering on the average cosine and diffuse attenuation coefficient of irradiance in the ocean. Limnology and Oceanography, v.43, no.4, 1998. pp.564-576

BEUKES, DENZIL R. (with Michael T. Davies-Coleman, Michelle Kelly-Borges, Mary Kay Harper, and D. John Faulkner). Dilemmaones A-C, unusual indole alkaloids from a mixed collection of South African sponges. Journal of Natural Products, v.61, no.5, 1998. pp.699-701

BEWLEY, CAROLE A. (with D. John Faulkner). Lithistid sponges: Star performers or hosts to the stars. Angewandte Chemie International Edition, v.37, 1998. pp.2162-2178

BLACKMAN, DONNA K. (with J. R. Cann, B. Janssen, and D. K. Smith). Origin of extensional core complexes: Evidence from the Mid-Atlantic Ridge at Atlantis Fracture Zone. Journal of Geophysical Research, v.103, no.B9, 1998. pp.21,315-21,333

BOGUCKI, DAREK J. (with J. Andrzej Domaradzki, Dariusz Stramski, and J. Ronald Zaneveld). Comparison of near-forward light scattering on oceanic turbulence and particles. Applied Optics, v.37, no.21, 1998. pp.4669-4677

BOLSER, R. C. (with Mark E. Hay, Niels Lindquist, William Fenical, and Dean Wilson). Chemical defenses of freshwater macrophytes against crayfish herbivory. Journal of Chemical Ecology, v.24, no.10, 1998. pp.1639-1658

BROECKER, WALLACE S. (with S. L. Peacock, S. Walker, Ray F. Weiss, E. Fahrbach, M. Schroeder, U. Mikolajewicz, C. Heinze, R. Key, T.-H. Peng, and S. Rubin). How much deep water is formed in the Southern Ocean? Journal of Geophysical Research, v.103, no.C8, 1998. pp.15,833-15,843

BUCKINGHAM, MICHAEL J. Theory of compressional and shear waves in fluidlike marine sediments. Journal of the Acoustical Society of America, v.103, no.1, 1998. pp.288-299

CALAIS, ERIC (with J.-Bernard Minster). GPS, earthquakes, the ionosphere, and the Space Shuttle. Physics of the Earth and Planetary Interiors, v.105, 1998. pp.167-181

CALAIS, ERIC (with J.-Bernard Minster, Michelle A. Hofton, and Michael A. H. Hedlin). Ionospheric signature of surface mine blasts from Global Positioning System measurements. Geophysical Journal International, v.132, 1998. pp.191-202

CANALES, J. PABLO (with R. S. Detrick, Sara Bazin, Alistair Harding, and John A. Orcutt). Off-axis crustal thickness across and along the East Pacific Rise within the MELT area. Science, v.280, 1998. pp.1218-1221

CARMACK, EDDY C. (with K. Aagaard, James H. Swift, R. W. MacDonald, Fiona A. McLaughlin, E. P. Jones, Ronald G. Perkin, John N. Smith, Katherine M. Ellis, and Linus R. Killius). Changes in temperature and tracer distributions within the Arctic Ocean: Results from the 1994 Arctic Ocean section. Deep-Sea Research II, v.44, no.8, 1997. pp.1487-1502

CASPI, RON (with Bradley M. Tebo and Margo G. Haygood). c-Type cytochromes and manganese oxidation in Pseudomonas putida MnB1. Applied and Environmental Microbiology, v.64, no.10, 1998. pp.3549-3555

CASTILLO, PATERNO R. (with James H. Natland, Yaoling Niu, and Peter Lonsdale). Sr, Nd and Pb isotopic variation along the Pacific Antarctic risecrest, 53 57 S: Implications for the composition and dynamics of the South Pacific upper mantle. Earth and Planetary Science Letters, v.154, 1998. pp.109-125

CESSI, PAOLA Angular momentum and temperature homogenization in the symmetric circulation of the atmosphere. Journal of the Atmospheric Sciences, v.55, 1998. pp.1997-2015

CHEN, YONGZE (with Robert T. Guza). Resonant scattering of edge waves by longshore periodic topography. Journal of Fluid Mechanics, v.369, 1998. pp.91- 123

CHENG, LANNA (with Junjie Zhang and Liancheng Guo). Production of á-carotene from Dunaliella salina Teod. at the Salt Research Institute, Tanggu, P. R. China. Newsletter: Asia-Pacific Society for Applied Phycology, no.7, 1998. pp.3-5

CHENG, LANNA (with Vassilios Roussis). Sex attractant in the marine insect Trochopus plumbeus (Heteroptera: Veliidae): A preliminary report. Marine Ecology Progress Series, v.170, 1998. pp.283-286

CHRISTOPH, M. (with Tim P. Barnett and E. Roeckner). The Antarctic Circumpolar Wave in a coupled ocean atmosphere GCM. Journal of Climate, v.11, 1998. pp.1659-1672

COMPAGNONE, REINALDO S. (with Ivette C. Pina, Hector R. Rangel, Fracehuli Dagger, Alirica I. Suarez, M. Venkata Rami Reddy, and D. John Faulkner). Antileishmanial cyclic peroxides from the Palauan sponge Plakortis aff. angulospiculatus. Tetrahedron, v.54, 1998. pp.3057-3068

CONANT, W. C. (with Andrew M. Vogelmann and V. Ramanathan). The unexplained solar absorption and atmospheric H2O: A direct test using clear-sky data. Tellus, v.50A, no.4, 1998. pp.525-533

CONSTABLE, CATHERINE G. (with Lisa Tauxe and Robert L. Parker). Analysis of 11 Myr of geomagnetic intensity variation. Journal of Geophysical Research, v.103, no.B8, 1998. pp.17,735-17,748

CONSTABLE, STEVEN C. (with Arnold S. Orange, G. Michael Hoversten, and H. Frank Morrison). Marine magnetotellurics for petroleum exploration Part I: A sea-floor equipment system. Geophysics, v.63, no.3, 1998. pp.816-825

CRAWFORD, WAYNE C. (with Spahr Webb and John A. Hildebrand). Estimating shear velocities in the oceanic crust from compliance measurements by two-dimensional finite difference modeling. Journal of Geophysical Research, v.103, no.B5, 1998. pp.9895-9916

DAVIS, RUSS E. Preliminary results from directly measuring middepth circulation in the tropical and South Pacific. Journal of Geophysical Research, v.103, no.C11, 1998. pp.24,619-24,639

DAYTON, PAUL K. Reversal of the burden of proof in fisheries management. Science, v.279, 1998. pp.821-822

DAYTON, PAUL K. (with Mia J. Tegner, Peter B. Edwards, and K. L. Riser). Sliding baselines, ghosts, and reduced expectations in kelp forest communities. Ecological Applications, v.8, no.2, 1998. pp.309-322

DE GROOT-HEDLIN, C. (with Frank Vernon). An evolutionary programming method for estimating layered velocity structure. Bulletin of the Seismological Society of America, v.88, no.4, 1998. pp.1023-1035

DEVER, EWARD P. (with Myrl C. Hendershott and Clinton D. Winant). Statistical aspects of surface drifter observations of circulation in the Santa Barbara Channel. Journal of Geophysical Research, v.103, no.C11, 1998. pp.24,781-24,797

DICKSON, ROBERT (with John Lazier, J. Meincke, P. B. Rhines, and James H. Swift). Long-term coordinated changes in the convective activity of the North Atlantic. Progress in Oceanography, v.38, 1996. pp.241-295

DORMAN, C. E. (with Laurence Armi, John M. Bane, and David P. Rogers). Sea surface mixed layer during the 10-11 June 1994 California coastally trapped event. Monthly Weather Review, v.126, 1998. pp.600-619

DUSHAW, BRIAN D. (with Peter F. Worcester). Resonant diurnal internal tides in the North Atlantic. Geophysical Research Letters, v.25, no.12, 1998. pp.2189-2192

DUSHAW, BRIAN D. (with Gary D. Egbert, Peter F. Worcester, B. Cornuelle, Bruce M. Howe, and K. Metzger). A TOPEX/POSEIDON global tidal model (TPXO.2). and barotropic tidal currents determined from long-range acoustic transmissions. Progress in Oceanography, v.40, 1997. pp.337-367

EARLE, PAUL S. (with P. M. Shearer). Observations of high frequency scattered energy associated with the core phase PKKP. Geophysical Research Letters, v.25, no.3, 1998. pp.405-408

EIANE, KETIL (with Dag L. Asknes and Mark D. Ohman). Advection and zooplankton fitness. Sarsia, v.83, 1998. pp.87-93

ELWANY, M. H. S. (with Reinhard E. Flick and Saima Aijaz). Opening and closure of a marginal southern California lagoon inlet. Estuaries, v.21, no.2, 1998. pp.246-254

EPIFANIO, ROSANGELA DE A. (with Lenize F. Maia, Angelo C. Pinto, Ingo H. Hardt, and William Fenical). Natural products from the gorgonian Lophogorgia punicea: Isolation and structure elucidation of an unusual 17-hydroxy sterol. Journal of the Brazilian Chemical Society, v.9, no.2, 1998. pp.187-192

FARIA, A. F. GARCEZ (with E. B. Thornton, T. P. Stanton, C. V. Soares, and T. C. Lippmann). Vertical profiles of longshore currents and related bed shear stress and bottom roughness. Journal of Geophysical Research, v.103, no.C2, 1998. pp.3217-3232

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.15, no.2, 1998. pp.113-158

FEDDERSEN, FALK (with Robert T. Guza, Steve Elgar, and T. H. C. Herbers). Alongshore momentum balances in the nearshore. Journal of Geophysical Research, v.103, no.C8, 1998. pp.15,667-15,676

FIALKOWSKI, WOJCIECH (with William A. Newman). A pilot study of heavy metal accumulations in a barnacle from the Salton Sea, Southern California. Marine Pollution Bulletin, v.36, no.2, 1998. pp.138-143

FISHER, ROBERT L. (with Andrew M. Goodwillie). The physiography of the Southwest Indian Ridge. Marine Geophysical Researches, v.19, 1997. pp.451-455

FLAMMER, K. R. (with D. A. Mendis and V. D. Shapiro). Interaction of the solar wind with comet Hale-Bopp: Global interaction and microphysics. The Astrophysical Journal, v.482, 1997. pp.1021-1027

FLANAGAN, MEGAN P. (with P. M. Shearer). Global mapping of topography on transition zone velocity discontinuities by stacking SS precursors. Journal of Geophysical Research, v.103, no.B2, 1998. pp.2673-2692

FLANAGAN, MEGAN P. (with P. M. Shearer). Topography on the 410-km seismic velocity discontinuity near subduction zones from stacking of sS, sP, and pP precursors. Journal of Geophysical Research, v.103, no.B9, 1998. pp.21,165-21,182

FORSYTH, DONALD W. (with D. Scheirer, Spahr Webb, L. M. Dorman, John A. Orcutt, Alistair Harding, Donna K. Blackman, Jason Phipps-Morgan, R. S. Detrick, Yang Shen, Cecily J. Wolfe, J. P. Canales, Douglas R. Toomey, A. F. Sheehan, Sean C. Solomon, and William S. D. Wilcock). Imaging the deep seismic structure beneath a mid-ocean ridge: The MELT experiment. Science, v.280, 1998. pp.1215-1218

FORSYTH, DONALD W. (with Spahr Webb, L. M. Dorman, and Yang Shen). Phase velocities of Rayleigh waves in the MELT Experiment on the East Pacific Rise. Science, v.280, 1998. pp.1235-1238

GALINSKY, V. L. (with V. Ramanathan). 3D radiative transfer in weakly inhomogeneous medium. Part I: Diffusive approximation. Journal of the Atmospheric Sciences, v.55, 1998. pp.2946-2959

GALLAGHER, EDITH L. (with Steve Elgar and Robert T. Guza). Observations of sand bar evolution on a natural beach. Journal of Geophysical Research, v.103, no.C2, 1998. pp.3203-3215

GERSHUNOV, ALEXANDER (with Tim P. Barnett). ENSO influence on intraseasonal extreme rainfall and temperature frequencies in the contiguous United States: Observations and model results. Journal of Climate, v.11, 1998. pp.1575-1586, 3062-3065

GIESKES, JORIS M. (with Dan Schrag, L. H. Chan, Libo Zhang, and Rick W. Murray). Geochemistry of interstitial waters. In: Proceedings of the Ocean Drilling Program, Scientific Results, East Greenland Margin, v.152, edited by A. D. Saunders, H. C. Larsen, and S. W. Wise, Jr., 1998. pp.293-305

GIESKES, JORIS M. (with C. Mahn, R. James, and J. Ishibashi). Halide systematics in sedimentary hydrothermal systems, Escanaba Trough ODP Leg 169. In: Water- rock Interaction, Proceedings of the 9th International Symposium on Water-rock Interaction WRI-9/Taupo/New Zealand/30 March - 3 April 1998, edited by Greg B. Arehart and John R. Hulston. Rotterdam, A. A. Balkema, 1998. pp.723-726

GOERICKE, RALF (with Joseph P. Montoya). Estimating the contribution of microalgal taxa to chlorophyll a in the field variations of pigment ratios under nutrient- and light-limited growth. Marine Ecology Progress Series, v.169, 1998. pp.97-112

GOERICKE, RALF Response of phytoplankton community structure and taxon-specific growth rates to seasonally varying physical forcing in the Sargasso Sea off Bermuda. Limnology and Oceanography, v.43, no.5, 1998. pp.921-935

GOERICKE, RALF (with Nicholas A. Welschmeyer). Response of Sargasso Sea phytoplankton biomass, growth rates and primary production to seasonally varying physical forcing. Journal of Plankton Research, v.20, no.12, 1998. pp.2223-2249

HAMMEL, H. T. Replacing Lewis's theory with Hulett's theory of altered chemical potentials of reacting constituents in solution. Recent Research Developments in Physical Chemistry, v.2, 1998. pp.77-111

HARDING, ALISTAIR (with Michael A. H. Hedlin and John A. Orcutt). Migration of backscatter data from the Mid-Atlantic Ridge. Journal of the Acoustical Society of America, v.103, no.4, 1998. pp.1787-1803

HARMS, SABINE (with Clinton D. Winant). Characteristic patterns of the circulation in the Santa Barbara Channel. Journal of Geophysical Research, v.103, no.C2, 1998. pp.3041-3065

HAURY, L. R. (with Eric Shulenberger). Surface nutrient enrichment in the California Current off southern California: Description and possible causes. Deep-Sea Research II, v.45, 1998. pp.1577-1601

HAVELOCK, DAVID (with W. A. Kuperman and Arthur Baggeroer). Underwater and atmospheric acoustic signal processing. In: Encyclopedia of Applied Physics, volume 22, edited by G. L. Trigg and E. H. Immergut. Weinheim, Germany, Wiley- VCH Verlag GmbH, 1998. pp.539-565

HAYGOOD, MARGO G. (with Seana K. Davidson). Bacterial symbionts of the bryostatin-producing bryozoan Bulgula neritina. In: New Developments in Marine Biotechnology, edited by Y. Le Gal and H. O. Halvorson. New York, Plenum Press, 1998. pp.281-284

HAYWARD, THOMAS L. (with Elizabeth L. Venrick). Nearsurface pattern in the California Current: Coupling between physical and biological structure. Deep- Sea Research II, v.45, 1998. pp.1617-1638

HE, LEE M. (with Bradley M. Tebo). Surface charge properties of and Cu(II). adsorption by spores of the marine Bacillus sp. strain SG-1. Applied and Environmental Microbiology, v.64, no.3, 1998. pp.1123-1129

HEDLIN, MICHAEL A. H. A global test of a time-frequency small-event discriminant. Bulletin of the Seismological Society of America, v.88, no.4, 1998. pp.973-988

HEDLIN, MICHAEL A. H. (with Frank Vernon and Jon Berger). Surveying infrasonic noise on oceanic islands. In: Proceedings of the 20th Annual Seismic Research Symposium on Monitoring a Comprehensive Test Ban Treaty (CTBT), 21-23 September 1998, edited by Jonetta Fantroy, Debra Heatley, Jill Warren,

Francesca Chavez, and Charles Meade. Arlington, Virginia, Department of Defense and Washington, D.C., U.S. Department of Energy, 1998. pp.586-595

HEWES, C. D. (with B. G. Mitchell, Tiffany A. Moisan, M. Vernet, and Freda M. H. Reid). The phycobilin signatures of chloroplasts from three dinoflagellate species: A microanalytical study of Dinophysis caudata, D. fortii, and D. acuminata (Dinophysiales, Dinophyceae). Journal of Phycology, v.34, 1998. pp.945-951

HILDEBRAND, MARK (with Katherine Dahlin and Benjamin E. Volcani). Characterization of a silicon transporter gene family in Cylindrotheca fusiformis: Sequences, expression analysis, and identification of homologs in other diatoms. Molecular and General Genetics, v.260, 1998. pp.480-486

HILTON, DAVID R. (with K. Gronvold, A. E. Sveinbjornsdottir, and K. Hammerschmidt). Helium isotope evidence for off-axis degassing of the Icelandic hotspot. Chemical Geology, v.149, 1998. pp.173-187

HILTON, DAVID R. (with G. M. McMurtry and F. Goff). Large variations in vent fluid CO2/3He ratios signal rapid changes in magma chemistry at Loihi seamount, Hawaii. Nature, v.396, 1998. pp.359-362

HIROSE, EUCHI (with Tadashi Maruyama, Lanna Cheng, and Ralph A. Lewin). Intra- and extra- cellular distribution of photosynthetic prokaryotes, Prochloron sp., in a colonial ascidian: Ultrastructural and quantitative studies. Symbiosis, v.25, 1998. pp.301-310

HOVERSTEN, G. MICHAEL (with H. Frank Morrison and Steven C. Constable). Marine magnetotellurics for petroleum exploration, Part II: Numerical analysis of subsalt resolution. Geophysics, v.63, no.3, 1998. pp.826-840

IKAWA, TERUMI (with Akira Okubo, Hidehiko Okabe, and Lanna Cheng). Oceanic diffusion and the distribution of Halobates. In: Pelagic Biogeography ICoPB II, Proceedings of the 2nd International Conference, Final Report of SCOR/IOC Working Group 93, Noordwijkerhout, The Netherlands, 9-14 July 1995, Intergovernmental Oceanographic Commission, Workshop Report No.142, edited by A. C. Pierrot-Bults and S. van der Spoel. Paris, UNESCO, 1998. pp.182-184

IKAWA, TERUMI (with Akira Okubo, Hidehiko Okabe, and Lanna Cheng). Oceanic diffusion and the pelagic insects Halobates spp. (Gerridae: Hemiptera). Marine Biology, v.131, 1998. pp.195-201

INAMDAR, A. K. (with V. Ramanathan). Tropical and global scale interactions among water vapor, atmospheric greenhouse effect, and surface temperature. Journal of Geophysical Research, v.103, no.D24, 1998. pp.32,177-32,194

INMAN, DOUGLAS L. (with Scott A. Jenkins). Changing wave climate and littoral drift along the California coast. In: California and the World Ocean '97, Taking a Look at California's Ocean Resources, An Agenda for the Future, Conference Proceedings, edited by Orville T. Magoon, et al. Reston, Virginia, American Society of Civil Engineers, 1998. pp.538-549

JAFFE, JULES S. (with Mark D. Ohman and A. De Robertis). OASIS in the sea: Measurement of the acoustic reflectivity of zooplankton with concurrent optical imaging. Deep-Sea Research II, v.45, 1998. pp.1239-1253

JAFFE, JULES S. (with Peter J. S. Franks and Andrew W. Leising). Simultaneous imaging of phytoplankton and zooplankton distributions. Oceanography, v.11, no.1, 1998. pp.24-29

JAHNE, BERND (with H. Hauecker). Air-water gas exchange. Annual Review of Fluid Mechanics, v.30, 1998. pp.443-468

JAYARAMAN, A. (with Dan Lubin, S. Ramachandran, V. Ramanathan, E. Woodbridge, William Collins, and K. S. Zalpuri). Direct observations of aerosol radiative forcing over the tropical Indian Ocean during the January February 1996 pre- INDOEX cruise. Journal of Geophysical Research, v.103, no.D12, 1998. pp.13,827- 13,836

JENKINS, KELLY M. (with Matthew K. Renner, Paul R. Jensen, and William Fenical). Exumolides A and B: Antimicroalgal cyclic depsipeptides produced by a marine fungus of the genus Scytalidium. Tetrahedron Letters, v.39, 1998. pp.2463-2466

JENKINS, SCOTT A. (with Douglas L. Inman). A coastal monitor/forecast system. In: California and the World Ocean '97, Taking a Look at California's Ocean Resources, An Agenda for the Future, Conference Proceedings, edited by Orville T. Magoon, et al. Reston, Virginia, American Society of Civil Engineers, 1998. pp.491-502

JENSEN, PAUL R. (with Kelly M. Jenkins, D. Porter, and William Fenical). Evidence that a new antibiotic flavone glycoside chemically defends the sea grass Thalassia testudinum against zoosporic fungi. Applied and Environmental Microbiology, v.64, no.4, 1998. pp.1490-1496

JOHNSON, CATHERINE L. (with Jan R. Wijbrans, Catherine G. Constable, Jeff Gee, Hubert Staudigel, Lisa Tauxe, Victor-H. Forjaz, and Mario Salgueiro). 40AR/39AR ages and paleomagnetism of S o Miguel lavas, Azores. Earth and Planetary Science Letters, v.160, 1998. pp.637-649

JOHNSON, CATHERINE L. (with Catherine G. Constable). Persistently anomalous Pacific geomagnetic fields. Geophysical Research Letters, v.25, no.7, 1998. pp.1011-1014

JOHNSON, CATHERINE L. (with Catherine G. Constable). The time-averaged geomagnetic field: Global and regional biases for 0-5 Ma. Geophysical Journal International, v.131, 1997. pp.643-666

JONES, E. P. (with L. G. Anderson and James H. Swift). Distribution of Atlantic and Pacific waters in the upper Arctic Ocean: Implications for circulation. Geophysical Research Letters, v.25, no.6, 1998. pp.765-768

JONES, E. P. (with K. Aagaard, Eddy C. Carmack, R. W. Macdonald, Fiona A. McLaughlin, Ronald G. Perkin, and James H. Swift). Recent changes in Arctic Ocean thermohaline structure: Results from the Canada/U.S. 1994 Arctic Ocean section. In: Proceedings of the International Symposium on Environmental Research in the Arctic, 19-21 July 1995, Tokyo. Memoirs of National Institute of Polar Research, Special Issue, No.51, edited by Okitsugu Watanabe. Tokyo, National Institute of Polar Research, 1996. pp.307-315

JONES, P. D. (with K. R. Briffa, Tim P. Barnett, and S. F. B. Tett). High- resolution palaeoclimatic records for the last millenium: Interpretation, integration and comparison with general circulation model control-run temperatures. Holocene, v.8, no.4, 1998. pp.455-471

KAHRU, MATI (with B. G. Mitchell). Spectral reflectance and absorption of a massive red tide off southern California. Journal of Geophysical Research, v.103, no.C10, 1998. pp.21,601-21,609

KASTNER, MIRIAM (with Keith A. Kvenvolden and Thomas D. Lorenson). Chemistry, isotopic composition, and origin of a methane hydrogen sulfide hydrate at the Cascadia subduction zone. Earth and Planetary Science Letters, v.156, 1998. pp.173-183

KOOYMAN, GERALD L. (with Paul J. Ponganis). The physiological basis of diving to depth: Birds and mammals. Annual Review of Physiology, v.60, 1998. pp.19-32

KOPER, KEITH D. (with Douglas A. Wiens, L. M. Dorman, John A. Hildebrand, and Spahr Webb). Modeling the Tonga slab: Can travel time data resolve a metastable olivine wedge? Journal of Geophysical Research, v.103, no.B12, 1998. pp.30,079-30,100

KREMLIOVSKY, MICHAEL (with James B. Kadtke, Mario Inchiosa, and Patrick Moore). Characterization of dolphin acoustic echo-location data using a dynamical classification method. International Journal of Bifurcation and Chaos, v.8, no.4, 1998. pp.813-823

KUMAR, A. (with S. Nirmal Charan, K. Gopalan, and J. Douglas Macdougall). A long-lived enriched mantle source for two Proterozoic carbonatite complexes from Tamil Nadu, southern India. Geochimica et Cosmochimica Acta, v.62, no.3, 1998. pp.515-523

LAINSCSEK, CLAUDIA S. M. (with Ferdinand Schurrer and James B. Kadtke). A general form for global dynamical data models for three-dimensional systems. International Journal of Bifurcation and Chaos, v.8, no.5, 1998. pp.899-914

LANGE, C. B. (with Oscar E. Romero, G. Wefer, and Albert J. Gabric). Offshore influence of coastal upwelling off Mauritania, NW Africa, as recorded by diatoms in sediment traps at 2195 m water depth. Deep-Sea Research I, v.45, 1998. pp.985-1013

LASKE, G. (with T. G. Masters). Surface-wave polarization data and global anisotropic structure. Geophysical Journal International, v.132, 1998. pp.508- 520

LEVIN, LISA A. (with Theresa Sinicrope Talley and Judi Hewitt). Macrobenthos of Spartina foliosa (Pacific cordgrass). salt marshes in southern California: Community structure and comparison to a Pacific mudflat and a Spartina alterniflora (Atlantic smooth cordgrass). marsh. Estuaries, v.21, no.1, 1998. pp.129-144

LEVIN, LISA A. (with John D. Gage). Relationships between oxygen, organic matter and the diversity of bathyal macrofauna. Deep-Sea Research II, v.45, 1998. pp.129-163

LEWIN, RALPH A. Group II. Order Prochlorales Lewin 1977, 216. In: Bergey's Manual of Systematic Bacteriology, Volume 3, James T. Staley, Editor and John G. Holt, Editor-in-Chief. Baltimore, Williams & Wilkins, 1989. pp.1799-1802

LONG, BYRON H. (with Joan M. Carboni, Arthur J. Wasserman, Laurie Cornell, Anna Maria Casazza, Paul R. Jensen, Thomas Lindel, William Fenical, and Craig Fairchild). Eleutherobin, a novel cytotoxic agent that induces tubulin polymerization, is similar to paclitaxel (Taxol). Cancer Research, v.58, 1998. pp.1111-1115

LORENZ, PETER (with Paul R. Jensen and William Fenical). Mactanamide, a new fungistatic diketopiperazine produced by a marine Aspergillus sp. Natural Product Letters, v.12, 1998. pp.55-60

LU, QING (with D. John Faulkner). Three dolabellanes and a macrolide from the sponge Dysidea sp. from Palau. Journal of Natural Products, v.61, no.9, 1998. pp.1096-1100

LUBIN, DAN (with Elsa H. Jensen and H. Peter Gies). Global surface ultraviolet radiation climatology from TOMS and ERBE data. Journal of Geophysical Research, v.103, no.D20, 1998. pp.26,061-26,091

LUGMAIR, G. W. (with A. Shukolyukov). Early solar system timescales according to 53Mn-53Cr systematics. Geochimica et Cosmochimica Acta, v.62, no.16, 1998. pp.2863-2886

MACGREGOR, L. M. (with Steven C. Constable and M. C. Sinha). The RAMESSES experiment III. Controlled-source electromagnetic sounding of the Reykjanes Ridge at 57 45'N. Geophysical Journal International, v.135, 1998. pp.773-789

MASTERS, T. G. (with K. B. Richards-Dinger). On the efficient calculation of ordinary and generalized spherical harmonics. Geophysical Journal International, v.135, 1998. pp.307-309

MAYER, ALEJANDRO M. S. (with Peer B. Jacobson, William Fenical, R. S. Jacobs, and K. B. Glaser). Pharmacological characterization of the pseudopterosins: Novel anti-inflammatory natural products isolated from the Caribbean soft coral, Pseudopterogorgia elisabethae. Life Sciences, v.62, no.26, 1998. pp.PL401-PL407

MCCOSKER, JOHN E. (with Richard H. Rosenblatt). A revision of the eastern Pacific snake-eel genus Ophichthus (Anguilliformes: Ophichthidae). with the description of six new species. Proceedings of the California Academy of Sciences, v.50, no.19, 1998. pp.397-43203

MCGOWAN, JOHN A. (with Daniel R. Cayan and L. M. Dorman). Climate-ocean variability and ecosystem response in the northeast Pacific. Science, v.281, 1998. pp.210-217

MELLORS, ROBERT J. (with Frank Vernon and David J. Thomson). Detection of dispersive signals using multitaper dual-frequency coherence. Geophysical Journal International, v.135, 1998. pp.146-154

METZ, EDWARD C. (with Gerardo G¢mez-Guti,rrez and Victor D. Vacquier). Mitochondrial DNA and bindin gene sequence evolution among allopatric species of the sea urchin genus Arbacia. Molecular Biology and Evolution, v.15, no.2, 1998. pp.185-195

METZ, EDWARD C. (with Refugio Robles-Sikisaka and Victor D. Vacquier). Nonsynonymous substitution in abalone sperm fertilization genes exceeds substitution in introns and mitochondrial DNA. Proceedings of the National Academy of Sciences of the United States of America, v.95, 1998. pp.10,676-10,681

MILES, JOHN W. (with Diane M. Henderson). A note on interior vs. boundary-layer damping of surface waves in a circular cylinder. Journal of Fluid Mechanics, v.364, 1998. pp.319-323

MILES, JOHN W. A note on the Burgers Rott vortex with a free surface. Zeitschrift f rangewandte Mathematik und Physik, v.49, 1998. pp.162-165

MILES, JOHN W. On gravity-wave scattering by non-secular changes in depth. Journal of Fluid Mechanics, v.376, 1998. pp.53-60

MILES, JOHN W. (with G. R. Ierley). Surface-wave generation by gusty wind. Journal of Fluid Mechanics, v.357, 1998. pp.21-28

MILES, JOHN W. (with P. G. Chamberlain). Topographical scattering of gravity waves. Journal of Fluid Mechanics, v.361, 1998. pp.175-188

MILLER, ARTHUR J. (with Niklas Schneider). Interpreting the observed patterns of Pacific Ocean decadal variations. In: Biotic Impacts of Extratropical Climate Variability in the Pacific, Proceedings, 'Aha Huliko'a Hawaiian Winter Workshop, University of Hawaii at Manoa, January 25-29, 1998, edited by Greg Holloway, Peter M ller, and Diane Henderson. Honolulu, Hawaii, School of Ocean and Earth Science and Technology, 1998. pp.19-27

MILLER, ARTHUR J. (Daniel R. Cayan and Warren B. White). A westward-intensified decadal change in the North Pacific thermocline and gyre-scale circulation. Journal of Climate, v.11, 1998. pp.3112-3127

MILLER, B. R. (with J. Huang, Ray F. Weiss, R. G. Prinn, and P. J. Fraser). Atmospheric trend and lifetime of chlorodifluoromethane (HCFC-22). and the global tropospheric OH concentration. Journal of Geophysical Research, v.103, no.D11, 1998. pp.13,237-13,248

MITCHELL, B. G. (with Mati Kahru). Algorithms for SeaWiFS standard products developed with the CalCOFI bio-optical data set. California Cooperative Oceanic Fisheries Investigations. Reports, v.39, 1998. pp.133-147

MOISAN, TIFFANY A. (with Miguel Olaizola and B. G. Mitchell). Xanthophyll cycling in Phaeocystis antarctica: Changes in cellular fluorescence. Marine Ecology Progress Series, v.169, 1998. pp.113-121

MOONEY, WALTER D. (with G. Laske and T. G. Masters). CRUST 5.1: A global crustal model at 5 x 5. Journal of Geophysical Research, v.103, no.B1, 1998. pp.727-747

MOORTGAT, KATHERINE T. (with Clifford H. Keller, Theodore H. Bullock, and Terrence J. Sejnowski). Submicrosecond pacemaker precision is behaviorally modulated: The gymnotiform electromotor pathway.

Proceedings of the National Academy of Sciences of the United States of America, v.95, 1998. pp.4684-4689

MUCHMORE, MARY-ELIZABETH (with Gary W. Moy, Willie J. Swanson, and Victor D. Vacquier). Direct sequencing of genomic DNA for characterization of a satellite DNA in five species of Eastern Pacific abalone. Molecular Marine Biology and Biotechnology, v.7, no.1, 1998. pp.1-6

MULLIN, MICHAEL M. Interannual and interdecadal variation in California Current zooplankton: Calanus in the late 1950s and early 1990s. Global Change Biology, v.4, 1998. pp.115-119

MURPHY, PAULETTE P. (with D. E. Harrison, Richard A. Feely, Taro Takahashi, Ray F. Weiss, and R. H. Gammon). Variability of pCO2 in the subarctic North Pacific. A comparison of results from four expeditions. Tellus, v.50B, 1998. pp.185-204

NEWMAN, WILLIAM A. Cirripedia. In: Handbook of Deep-Sea Hydrothermal Vent Fauna, edited by Daniel Desbruyeres and Michel Segonzac. Plouzane, France, Editions IFREMER, 1997. pp.180-183

NEWMAN, WILLIAM A. Foreward. In: Rocas Alijos, Scientific Results from the Cordell Expeditions, edited by Robert W. Schmieder. Dordrecht, Netherlands, Kluwer Academic Publishers, 1996. pp.xv-xx

NEWMAN, WILLIAM A. (with Arnold Ross). Penduncular armament in the Scalpellomorpha (Cirripedia). and a new abyssal species from the East Pacific Rise. Journal of Crustacean Biology, v.18, no.3, 1998. pp.572-580

NIELSEN, ALLAN A. (with Knut Conradsen and James J. Simpson). Multivariate alteration detection (MAD). and MAF postprocessing in multispectral, bitemporal image data: New approaches to change detection studies. Remote Sensing of Environment, v.64, 1998. pp.1-19

NORTHCUTT, R. GLENN (with Linda A. Barlow). Amphibians provide new insights into taste-bud development. Trends in Neurosciences, v.21, no.1, 1998. pp.38-43

OHMAN, MARK D. (with Aleksandr V. Drits, M. Elizabeth Clarke, and St, phane Plourde). Differential dormancy of co-occurring copepods. Deep-Sea Research II, v.45, 1998. pp.1709-1740

OHMAN, MARK D. (with Annie W. Townsend). Egg strings in Euchirella pseudopulchra (Aetideidae). and comments on constraints on egg brooding in planktonic marine copepods. Journal of Marine Systems, v.15, 1998. pp.61-69

O'REILLY, JOHN E. (with Stephane Maritorena, B. G. Mitchell, D. A. Siegel, Kendall L. Carder, Sara A. Garver, Mati Kahru, and Charles McClain). Ocean color chlorophyll algorithms for SeaWiFS. Journal of Geophysical Research, v.103, no.C11, 1998. pp.24,937-24,953

O'REILLY, JOHN E. (with Robert T. Guza). Assimilating coastal wave observations in regional swell predictions. Part I: Inverse methods. Journal of Physical Oceanography, v.28, no.4, 1998. pp.679-691

PAINE, ROBERT T. (with Mia J. Tegner and Edward A. Johnson). Compounded perturbations yield ecological surprises. Ecosystems, v.1, 1998. pp.535-545

PARKER, ROBERT L. Inversion of on-axis magnetic anomalies. Geophysical Journal International, v.134, 1998. pp.617-624

PAYTAN, ADINA (with Miriam Kastner, Douglas Campbell, and Mark H. Thiemens). Sulfur isotopic composition of Cenozoic seawater sulfate. Science, v.282, 1998. pp.1459-1462

PETERSON, RAY G. (with Warren B. White). Slow oceanic teleconnections linking the Antarctic Circumpolar Wave with the tropical El Nino Southern Oscillation. Journal of Geophysical Research, v.103, no.C11, 1998. pp.24,573-24,583

PODGORNY, IGOR A. (with Andrew M. Vogelmann and V. Ramanathan). Effects of cloud shape and water vapor distribution on solar absorption in the near infrared. Geophysical Research Letters, v.25, no.11, 1998. pp.1899-1902

PRECHTL, JAMES C. (with Gerhard von der Emde, Jakob Wolfart, Sacit Karamursel, George N. Akoev, Yuri N. Andrianov, and Theodore H. Bullock). Sensory processing in the pallium of a mormyrid fish. Journal of Neuroscience, v.18, no.18, 1998. pp.7381-7393

PRICE, EVELYN J. (with David T. Sandwell). Small-scale deformations associated with the 1992 Landers, California, earthquake mapped by synthetic aperture radar interferometry phase gradients. Journal of Geophysical Research, v.103, no.B11, 1998. pp.27,001-27,016

QUEST, K. B. (with V. D. Shapiro, K. Szeg", and Z. Dobe). Microphysics of the Venusian and Martian mantles. Geophysical Research Letters, v.24, no.3, 1997. pp.301-304

QURESHI, ASFIA (with Javier Salva, Mary Kay Harper, and D. John Faulkner). New cyclic peroxides from the Philippine sponge Plakinastrella sp. Journal of Natural Products, v.61, no.12, 1998. pp.1539-1542

RAFII, KEIHAN (with Jules S. Jaffe). Adaptive ultrasonic measurement of blood vessel diameter and wall thickness: Theory and experimental results. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, v.45, no.3, 1998. pp.593-603

RAHN, T. A. (with Hui Zhang, M. Wahlen, and Geoffrey A. Blake). Stable isotope fractionation during ultraviolet photolysis of N2O. Geophysical Research Letters, v.25, no.24, 1998. pp.4489-4492

RALPH, F. M. (with Laurence Armi, John M. Bane, C. E. Dorman, W. D. Neff, P. J. Neiman, Wendall A. Nuss, and P. O. G. Persson). Observations and analysis of the 10-11 June 1994 coastally trapped disturbance. Monthly Weather Review, v.126, no.9, 1998. pp.2435-2465

RAMANATHAN, V. Trace-gas greenhouse effect and global warming: Underlying principles and outstanding issues: Volvo Environmental Prize Lecture-1997. Ambio, v.27, no.3, 1998. pp.187-197

RAMESH, P. (with N. Srinivasa Reddy, Yenamandra Venkateswarlu, M. Venkata Rami Reddy, and D. John Faulkner). Rameswaralide, a novel diterpenoid from the soft coral Sinularia dissecta. Tetrahedron Letters, v.39, 1998. pp.8217-8220

RANSOM, BARBARA (with Dongseon Kim, Miriam Kastner, and Sonya Wainwright). Organic matter preservation on continental slopes: Importance of mineralogy and surface area. Geochimica et Cosmochimica Acta, v.62, no.8, 1998. pp.1329-1345

RAUBENHEIMER, B. (with Steve Elgar and Robert T. Guza). Estimating wave heights from pressure measured in sand bed. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.124, no.3, 1998. pp.151-154

REDDY, M. VENKATA RAMI (with Mary Kay Harper and D. John Faulkner). Eurypamide A, a cyclic tripeptide from the Palauan sponge Microciona eurypa. Tetrahedron, v.54, 1998. pp.10,649-10,656

RICE, STANLEY A. (with Lisa A. Levin). Streblospio gynobranchiata, a new spionid polychaete species (Annelida: Polychaeta). from Florida and the Gulf of Mexico with an analysis of phylogenetic relationships within the genus Streblospio. Proceedings of the Biological Society of Washington, v.111, no.3, 1998. pp.694-707

RIDGWAY, SAM H. (with Elek Lindner, Kerry A. Mahoney, and William A. Newman). Gray whale barnacles Cryptolepas rhachianecti infest white whales, Delphinapterus leucas, housed in San Diego Bay. Bulletin of Marine Science, v.61, no.2, 1997. pp.377-385

RIEDER, KARL F. (with Jerome Smith). Removing wave effects from the wind stress vector. Journal of Geophysical Research, v.103, no.C1, 1998. pp.1363-1374

ROADS, JOHN OWEN Jerome Namias, 1910-1997, A Biographical Memoir. National Academy of Sciences (U.S.), Biographical Memoirs, v.76, 1998. pp.3-27

ROADS, JOHN OWEN (with S. Chen, M. Kanamitsu, and H. Juang). Vertical structure of humidity and temperature budget residuals over the Mississippi River basin. Journal of Geophysical Research, v.103, no.D4, 1998. pp.3741-3759

ROGERS, DAVID P. (with C. E. Dorman, Kathleen A. Edwards, Ian M. Brooks, W. K. Melville, Stephen D. Burk, William T. Thompson, Teddy Holt, Linda M. Strom, Michael Tjernstrom, Branko Grisogono, John M. Bane, Wendell A. Nuss, Bruce M. Morley, and Allen J. Schanot). Highlights of coastal waves 1996. Bulletin of the American Meteorological Society, v.79, no.7, 1998. pp.1307-1326

ROHR, J. J. (with Michael I. Latz, Stewart Fallon, J. C. Nauen, and E. Hendricks). Experimental approaches towards interpreting dolphin-stimulated bioluminescence. Journal of Experimental Biology, v.201, 1998. pp.1447-1460

RUPP, BARBARA (with R. Glenn Northcutt). The diencephalon and pretectum of the white sturgeon (Acipenser transmontanus): A cytoarchitectonic study. Brain, Behavior and Evolution, v.51, 1998. pp.239-262

SAKOWICZ, ROMAN (with Michael S. Berdelis, Krishanu Ray, Christine L. Blackburn, Cordula Hopmann, D. John Faulkner, and Lawrence S. B. Goldstein). A marine natural product inhibitor of kinesin motors. Science, v.280, 1998. pp.292-295

SANDVOL, ERIC (with Dogan Seber, Muawia Barazangi, Frank Vernon, Robert J. Mellors, and Abdullah Al-Amri). Lithospheric seismic velocity discontinuities beneath the Arabian Shield. Geophysical Research Letters, v.25, no.15, 1998. pp.2873-2876

SANDWELL, DAVID T. (with Evelyn J. Price). Phase gradient approach to stacking interferograms. Journal of Geophysical Research, v.103, no.B12, 1998. pp.30,183-30,204

SANFILIPPO, ANNIKA (with Catherine Nigrini). Code numbers for Cenozoic low latitude radiolarian biostratigraphic zones and GPTS conversion tables. Marine Micropaleontology, v.33, 1998. pp.109-156

SANFILIPPO, ANNIKA (with Jean Pierre Caulet). Taxonomy and evolution of Paleogene Antarctic and tropical Lophocyrtid radiolarians. Micropaleontology, v.44, no.1, 1998. pp.1-43

SANFILIPPO, ANNIKA (with Catherine Nigrini). Upper Paleocene-lower Eocene deep- sea radiolarian stratigraphy and the Paleocene/Eocene Series boundary. In: Late Paleocene Early Eocene Climatic and Biotic Events in the Marine and Terrestrial Records, edited by Marie-Pierre Aubry, Spencer Lucas, and William A. Berggren. New York, Columbia University Press, 1998. pp.244-274

SCHLOSSER, P. (with Bernd Kromer, Brenda Ekwurzel, Gerhard Bonisch, Ann McNichol, Robert Schneider, Karl von Reden, H. G. Ostlund, and James H. Swift). The first trans-Arctic 14C section: Comparison of the mean ages of the deep waters in the Eurasian and Canadian basins of the Arctic Ocean. Nuclear Instruments and Methods in Physics Research B, v.123, 1997. pp.431-437

SCHLOSSER, P. (with James H. Swift, Diana Lewis, and Stephanie L. Pfirman). The role of the large-scale Arctic Ocean circulation in the transport of contaminants. Deep-Sea Research II, v.42, no.6, 1995. pp.1341-1367

SCHMIDT, ERIC W. (with D. John Faulkner). Microsclerodermins C - E, antifungal cyclic peptides from the lithistid marine sponges Theonella sp. and Microscleroderma sp. Tetrahedron, v.54, 1998. pp.3043-3056

(with Carole A. Bewley and D. John Faulkner). Theopalauamide, a bicyclic glycopeptide from filamentous bacterial symbionts of the lithistid sponge Theonella swinhoei from Palau and Mozambique. Journal of Organic Chemistry, v.63, no.4, 1998. pp.1254-1258

SCHNEIDER, NIKLAS The Indonesian Throughflow and the global climate system. Journal of Climate, v.11, 1998. pp.676-689

SCHUFFERT, JEFFREY D. (with Miriam Kastner and Richard A. Jahnke). Carbon and phosphorus burial associated with modern phosphorite formation. Marine Geology, v.146, 1998. pp.21-31

- SCHULTZ, J. R. (with Jun D. Sasaki and Victor D. Vacquier). Increased association of synaptosome-associated protein of 25 kDa with syntaxin and vesicle-associated membrane protein following acrosomal exocytosis of sea urchin sperm. Journal of Biological Chemistry, v.273, no.38, 1998. pp.24,355-24,359
- SEYMOUR, RICHARD J. Effects of El Ninos on the west coast wave climate. Shore and Beach, v.66, no.3, 1998. pp.3-6
- SHAFFER, LISA R. Coordination, cooperation, integration: Future models for international Earth observations IAF-96-B.1.02. Space Technology, v.18, no.1/2, 1998. pp.65-70
- SHAFFER, LISA R. International coordination in the era of faster, better, cheaper. Space Policy, v.14, 1998. pp.89-94
- SHAPIRO, V. D. (with Ronald Z. Sagdeev). Nonlinear wave particle interaction and conditions for the applicability of quasilinear theory. Physics Reports, v.283, 1997. pp.49-71
- SHEARER, P. M. Evidence from a cluster of small earthquakes for a fault at 18 km depth beneath Oak Ridge, southern California. Bulletin of the Seismological Society of America, v.88, no.6, 1998. pp.1327-1336
- SHEARER, P. M. (with Michael A. H. Hedlin and Paul S. Earle). PKP and PKKP precursor observations: Implications for the small-scale structure of the deep mantle and core. In: The Core-Mantle Boundary Region. Geodynamics Series, Volume 28, edited by Michael Gurnis, Michael E. Wysession, Elise Knittle, and Bruce A. Buffett. Washington, D.C., American Geophysical Union, 1998. pp.37-55
- SHIELDS, J. E. (with R. W. Johnson, Monette E. Karr, and Jason L. Wertz). Automated day/night whole sky imagers for field assessment of cloud cover distributions and radiance distributions. In: 10th Symposium on Meterological Observations and Instrumentation, 11-16 January 1998, Phoenix, Arizona. Boston, American Meteorological Society, 1998. pp.165-170
- SHIELDS, J. E. (with Monette E. Karr, T. P. Tooman, D. H. Sowle, and S. T. Moore). The whole sky imager A year of progress. In: Proceedings of the Eighth Atmospheric Radiation Measurement (ARM). Science Team Meeting, March 23-27, 1998, Tucson, Arizona, United States Department of Energy, Office of Energy Research, Office of Health and Environmental Research, Environmental Sciences Division. Springfield, VA, National Technical Information Service, 1998. pp.677-685
- SHKOLLER, S. (with J.-Bernard Minster). Reduction of Dietrich-Ruina attractors to unimodal maps. Nonlinear Processes in Geophysics, v.4, 1997. pp.63-69
- SHUKOLYUKOV, A. (with G. W. Lugmair). Isotopic evidence for the cretaceous- tertiary impactor and its type. Science, v.282, 1998. pp.927-929
- SIMMONDS, P. G. (with D. M. Cunnold, Ray F. Weiss, R. G. Prinn, P. J. Fraser, A. McCulloch, F. N. Alyea, and S. O'Doherty). Global trends and emission estimates of CCl4 from in situ background observations from July 1978 to June 1996. Journal of Geophysical Research, v.103, no.D13, 1998. pp.16,017-16,027

SIMPSON, JAMES J. Comments on 'Computer simulations of homeward-migrating Fraser River sockeye salmon: Is compass orientation a sufficient direction-finding mechanism in the north-east Pacific Ocean?' by C. G. Dat et al. (1995). Fisheries Oceanography, v.5, no.2, 1996. p.136

SIMPSON, JAMES J. (with J. F. Le Marshall, J. Kingwell, A. B. Neal, and D. C. Griersmith). The GMS Pathfinder Project. Australian Meteorological Magazine, v.47, 1998. pp.225-235

SIMPSON, JAMES J. (with Andrew Schmidt and Andrew Harris). Improved cloud detection in Along Track Scanning Radiometer (ATSR). data over the ocean. Remote Sensing of Environment, v.65, 1998. pp.1-24

SIMPSON, JAMES J. (with James R. Stitt and M. Sienko). Improved estimates of the areal extent of snow cover from AVHRR data. Journal of Hydrology, v.204, 1998. pp.1-23

SIMPSON, JAMES J. (with James R. Stitt and David M. Leath). Improved finite impulse response filters for enhanced destriping of geostationary satellite data. Remote Sensing of Environment, v.66, 1998. pp.235-249

SIMPSON, JAMES J. (with James R. Stitt). A procedure for the detection and removal of cloud shadow from AVHRR data over land. IEEE Transactions on Geoscience and Remote Sensing, v.36, no.3, 1998. pp.880-897

SINGH, S. C. (with G. M. Kent, J. S. Collier, Alistair Harding, and John A. Orcutt). Melt to mush variations in crustal magma properties along the ridge crest at the southern East Pacific Rise. Nature, v.394, 1998. pp.874-878

SINHA, M. C. (with Steven C. Constable, C. Peirce, A. White, G. Heinson, L. M. MacGregor, and D. A. Navin). Magmatic processes at slow spreading ridges: Implications of the RAMESSES experiment at 57 45'N on the Mid-Atlantic Ridge. Geophysical Journal International, v.135, 1998. pp.731-745

SMITH, JEROME Evolution of Langmuir circulation during a storm. Journal of Geophysical Research, v.103, no.C6, 1998. pp.12,649-12,668

SMITH, RAYMOND C. (with Karen S. Baker and Sharon E. Stammerjohn). Exploring sea ice indexes for polar ecosystem studies. BioScience, v.48, no.2, 1998. pp.83-93

SMITH, RAYMOND C. (with Karen S. Baker, M. L. Byers, and Sharon E. Stammerjohn). Primary productivity of the Palmer Long Term Ecological Research Area and the Southern Ocean. Journal of Marine Systems, v.17, 1998. pp.245-259

SMITH, RAYMOND C. (with Karen S. Baker and M. Vernet). Seasonal and interannual variability of phytoplankton biomass west of the Antarctic Peninsula. Journal of Marine Systems, v.17, 1998. pp.229-243

- SOHN, ROBERT A. (with John A. Hildebrand and Spahr Webb). Postrifting seismicity and a model for the 1993 diking event on the CoAxial segment, Juan de Fuca Ridge. Journal of Geophysical Research, v.103, no.B5, 1998. pp.9867-9877
- SOHN, ROBERT A. (with Daniel J. Fornari, Karen L. Von Damm, John A. Hildebrand, and Spahr Webb). Seismic and hydrothermal evidence for a cracking event on the East Pacific Rise crest at 9 50'N. Nature, v.396, 1998. pp.159-161
- SONG, HEE CHUN (with W. A. Kuperman and W. S. Hodgkiss). A time-reversal mirror with variable range focusing. Journal of the Acoustical Society of America, v.103, no.6, 1998. pp.3234-3240
- SOUTHWARD, A. J. (with R. S. Burton, S. L. Coles, P. R. Dando, R. DeFelice, J. Hoover, P. E. Parnell, T. Yamaguchi, and William A. Newman). Invasion of Hawaiian shores by an Atlantic barnacle. Marine Ecology Progress Series, v.165, 1998. pp.119-126
- SPIESS, FRED N. (with C. David Chadwell, John A. Hildebrand, Larry E. Young, George H. Purcell Jr., and Herb Dragert). Precise GPS/acoustic positioning of seafloor reference points for tectonic studies. Physics of the Earth and Planetary Interiors, v.108, 1998. pp.101-112
- STAMMERJOHN, SHARON (Raymond C. Smith). Opposing Southern Ocean climate patterns as revealed by trends in regional sea ice coverage. Climatic Change, v.37, 1997. pp.617-639
- STRAMSKI, DARIUSZ (with D. A. Kiefer). Can heterotrophic bacteria be important to marine light absorption? Journal of Plankton Research, v.20, no.8, 1998. pp.1489-1500
- SUTTON, P. J. (with W. M. L. Morawitz, Peter F. Worcester, and B. Cornuelle). Temperature evolution of the upper ocean in the Greenland Sea January to March 1989. Journal of Geophysical Research, v.102, no.C13, 1997. pp.27,861-27,874
- SWANSON, WILLIE J. (with Victor D. Vacquier). Concerted evolution in an egg receptor for a rapidly evolving abalone sperm protein. Science, v.281, 1998. pp.710-712
- SWIFT, JAMES H. (with E. P. Jones, K. Aagaard, Eddy C. Carmack, M. Hingston, R. W. MacDonald, Fiona A. McLaughlin, and Ronald G. Perkin). Waters of the Makarov and Canada basins. Deep-Sea Research II, v.44, no.8, 1997. pp.1503-1529
- TARDUNO, JOHN A. (with D. B. Brinkman, P. R. Renne, R. D. Cottrell, H. Scher, and Paterno R. Castillo). Evidence for extreme climatic warmth from Late Cretaceous Arctic vertebrates. Science, v.282, 1998. pp.2241-2244
- TEBO, BRADLEY M. Comment on the comment by A. W. M. G. Souren on "Oxidation of cobalt and manganese in seawater via a common microbially catalyzed pathway." Geochimica et Cosmochimica Acta, v.62, no.2, 1998. pp.357-358
- TEBO, BRADLEY M. (with Lorraine G. van Waasbergen, Chris A. Francis, Liming M. He, Deeanne B. Edwards, and Karen Casciotti). Manganese oxidation by spores of the marine Bacillus sp. strain SG-1:

Application for the bioremediation of metal pollution. In: New Developments in Marine Biotechnology, edited by Y. Le Gal and H. O. Halvorson. New York, Plenum Press, 1998. pp.177-180

TEBO, BRADLEY M. (with Anna Ya. Obraztsova). Sulfate-reducing bacterium grows with Cr(VI), U(VI), Mn(IV), and Fe(III). as electron acceptors. FEMS Microbiology Letters, v.162, 1998. pp.193-198

THISTLE, DAVID (with Lisa A. Levin). The effect of experimentally increased near- bottom flow on metazoan meiofauna at a deep-sea site, with comparison data on macrofauna. Deep-Sea Research I, v.45, 1998. pp.625-638

TOOMEY, DOUGLAS R. (with William S. D. Wilcock, Sean C. Solomon, William C. Hammond, and John A. Orcutt). Mantle seismic structure beneath the MELT region of the East Pacific Rise from P and S wave tomography. Science, v.280, 1998. pp.1224-1227

TOSKE, STEVEN G. (with Paul R. Jensen, Christopher A. Kauffman, and William Fenical). Aspergillamides A and B: Modified cytotoxic tripeptides produced by a marine fungus of the genus Aspergillus. Tetrahedron, v.54, 1998. pp.13,459-13,466

TRISCHMAN, JACQUELINE A. (with Paul R. Jensen and William Fenical). Guaymasol and epiguaymasol: Aromatic triols from a deep-sea Bacillus isolate. Natural Product Letters, v.11, 1998. pp.279-284

TSUCHIYA, MIZUKI (with Lynne D. Talley). A Pacific hydrographic section at 88 W: Water-property distribution. Journal of Geophysical Research, v.103, no.C6, 1998. pp.12,899-12,918

VACQUIER, VICTOR D. Evolution of gamete recognition proteins. Science, v.281, 1998. pp.1995-1998

VALDEZ-HOLGU N, J. EDUARDO (with Saul Alvarez-Borrego and B. G. Mitchell). Photosynthetic parameters of phytoplankton in the California Current system. California Cooperative Oceanic Fisheries Investigations Reports, v.39, 1998. pp.148-158

VAN AVENDONK, HARM J. A. (with Alistair Harding, John A. Orcutt, and James S. McClain). A two-dimensional tomographic study of the Clipperton transform fault. Journal of Geophysical Research, v.103, no.B8, 1998. pp.17,885-17,899

VENRICK, ELIZABETH L. The phytoplankton of the Santa Barbara Basin: Patterns of chlorophyll and species structure and their relationships with those of surrounding stations. California Cooperative Oceanic Fisheries Investigations Reports, v.39, 1998. pp.124-132

VENRICK, ELIZABETH L. Spring in the California Current: The distribution of phytoplankton species, April 1993 and April 1995. Marine Ecology Progress Series, v.167, 1998. pp.73-88

VERNON, FRANK (with Gary L. Pavlis, Tom J. Owens, Dan E. McNamara, and Paul N. Anderson). Near-surface scattering effects observed with a high-frequency phased array at Pinyon Flats, California. Bulletin of the Seismological Society of America, v.88, no.6, 1998. pp.1548-1560

VERVOORT, HELENE C. (with Joseph R. Pawlik and William Fenical). Chemical defense of the Caribbean ascidian Didemnum conchyliatum. Marine Ecology Progress Series, v.164, 1998. pp.221-228

VIDALE, JOHN E. (with Michael A. H. Hedlin). Evidence for partial melt at the core mantle boundary north of Tonga from the strong scattering of seismic waves. Nature, v.391, 1998. pp.682-685

VOGELMANN, ANDREW M. (with V. Ramanathan, W. C. Conant, and W. E. Hunter). Observational constraints on non-Lorentzian continuum effects in the near- infrared solar spectrum using ARM ARESE data. Journal of Quantitative Spectroscopy and Radiative Transfer, v.60, no.2, 1998. pp.231-246

VOLPE, CHRISTOPHER (with M. Wahlen, Alexander A. P. Pszenny, and Arthur J. Spivack). Chlorine isotopic composition of marine aerosols: Implications for the release of reactive chlorine and HCl cycling rates. Geophysical Research Letters, v.25, no.20, 1998. pp.3831-3834

WEBB, SPAHR Broadband seismology and noise under the ocean. Reviews of Geophysics, v.36, no.1, 1998. pp.105-142

WEBB, SPAHR (with Donald W. Forsyth). Structure of the upper mantle under the EPR from waveform inversion of regional events. Science, v.280, 1998. pp.1227-1229

WHITE, WARREN B. (with Shyh-Chin Chen and Ray G. Peterson). The Antarctic circumpolar wave: A beta effect in ocean atmosphere coupling over the Southern Ocean. Journal of Physical Oceanography, v.28, 1998. pp.2345-2361

WHITE, WARREN B. (with Yi Chao and Chang-Kou Tai). Coupling of biennial oceanic Rossby waves with the overlying atmosphere in the Pacific basin. Journal of Physical Oceanography, v.28, 1998. pp.1236-1251

WHITE, WARREN B. (with Daniel R. Cayan and Judith Lean). Global upper ocean heat storage response to radiative forcing from changing solar irradiance and increasing greenhouse gas/aerosol concentrations. Journal of Geophysical Research, v.103, no.C10, 1998. pp.21,355-21,366

WHITE, WARREN B. (with Daniel R. Cayan). Quasi-periodicity and global symmetries in interdecadal upper ocean temperature variability. Journal of Geophysical Research, v.103, no.C10, 1998. pp.21,335-21,354

WICHT, HELMUT (with R. Glenn Northcutt). Telencephalic connections in the Pacific hagfish (Eptatretus stouti), with special reference to the thalamopallial system. Journal of Comparative Neurology, v.395, 1998. pp.245-260

WOLFE, CECILY J. (with Frank Vernon). Shear-wave splitting at central Tien Shan: Evidence for rapid variation on anisotropic patterns. Geophysical Research Letters, v.25, no.8, 1998. pp.1217-1220

WORCESTER, PETER F. (with Uwe Send, B. Cornuelle, and Christopher O. Tiemann). Acoustic monitoring of flow through the Strait of Gibraltar. In: Shallow-water Acoustics, collection of 100 papers presented at the 1997 International Conference on Shallow-Water Acoustics (SWAC'97), 21-25 April 1997,

Beijing, China, edited by Renhe Zhang and Jixun Zhou. Beijing, China, China Ocean Press, 1997. pp.471-477

XU, HEMING (with Steven M. Day and J.-Bernard Minster). Model for nonlinear wave propagation derived from rock hysteresis measurements. Journal of Geophysical Research, v.103, no.B12, 1998. pp.29,915-29,929

XU, W. (with Tim P. Barnett and M. Latif). Decadal variability in the North Pacific as simulated by a hybrid coupled model. Journal of Climate, v.11, 1998. pp.297-312

YALE, MARA M. (with David T. Sandwell and Alan T. Herring). What are the limitations of satellite altimetry? Leading Edge, v.17, no.1, 1998. pp.73-76

ZHANG, GUANG JUN (with J. T. Kiehl and Philip J. Rasch). Response of climate simulation to a new convective parameterization in the National Center for Atmospheric Research Community Climate Model (CCM3). Journal of Climate, v.11, 1998. pp.2097-2115

ZHANG, LIBO (with L. H. Chan and Joris M. Gieskes). Lithium isotope geochemistry of pore waters from Ocean Drilling Program Sites 918 and 919, Irminger Basin. Geochimica et Cosmochimica Acta, v.62, no.14, 1998. pp.2437-2450

ZHU, PENG (with J. Douglas Macdougall). Calcium isotopes in the marine environment and the oceanic calcium cycle. Geochimica et Cosmochimica Acta, v.62, no.10, 1998. pp.1691-1698

ZUMBERGE, MARK A. (with Frank Wyatt). Opitcal fiber interferometers for referencing surface benchmarks to depth. Pure and Applied Geophysics, v.152, 1998. pp.221-246

AL-AMRI, ABDULLAH M. S. (with P. Davis, Mohammed S. Al-Amri, A. A. Gharib, and Jon Berger). Seismic characteristics of RAYN/GSN station, Saudi Arabia. Journal of King Saud University, v.11, Science(2), 1999. pp.81-92

ALLEY, RICHARD B. (with Jean Lynch-Stieglitz and Jeffrey P. Severinghaus). Global climate change. Proceedings of the National Academy of Sciences of the United States of America, v.96, 1999. pp.9987-9988

ATOC CONSORTIUM Response to the comment on Heat content changes in the Pacific Ocean,' by Kathryn A. Kelly, LuAnne Thompson, and Frederic Vivier. Science, v.284, 1999. pp.1735a

AUAD, GUILLERMO (with Myrl C. Hendershott and Clinton D. Winant). Mass and heat balances in the Santa Barbara Channel: Estimation, description and forcing. Progress in Oceanography, v.43, 1999. pp.111-155

AUBRY, MARIE-PIERRE (with Silvia Blanco-Bustamente, Gena Fernandez-Rodriguez, Emilio Flores Albin, Richard H. Fluegeman, Donna M. Hull, Annika Sanfilippo, Ashish Sinha, and Mickey Van Fossen). The upper Paleocene-lower Eocene San Francisco de Paula section: Biostratigraphic synthesis. Micropaleontology, v.45, Supplement 2, 1999. pp.83-87

BAER, GIDON (with David T. Sandwell, Simon Williams, Yehuda Bock, and Gadi Shamir). Coseismic deformation associated with the November, 1995, MW=7.1 Nuweiba earthquake, Gulf of Elat (Aqaba), detected by synthetic aperture radar interferometry. Journal of Geophysical Research, v.104, no.B11, 1999 pp.25,221-25,232

BALLU, VALERIE S. (with John A. Hildebrand and Eric L. Canuteson). The density structure associated with oceanic crustal rifting at the Hess Deep: A seafloor and sea-surface gravity study. Earth and Planetary Science Letters, v.171, 1999. pp.21-34

BARNETT, TIM P. (with K. Hasselmann, M. Chelliah, T. Delworth, G. Hegerl, P. Jones, E. Rasmusson, E. Roeckner, C. Ropelewski, B. Santer, and S. F. B. Tett). Detection and attribution of recent climate change: A status report. Bulletin of the American Meteorological Society, v.80, no.12, 1999. pp.2631-2659

BARNETT, TIM P. (with David W. Pierce, M. Latif, Dietmar Dommenget, and R. Saravanan). Interdecadal interactions between the tropics and midlatitudes in the Pacific basin. Geophysical Research Letters, v.26, no.5, 1999. pp.615-618

BARNETT, TIM P. (with David W. Pierce, R. Saravanan, Niklas Schneider, Dietmar Dommenget, and M. Latif). Origins of the midlatitude Pacific decadal variability. Geophysical Research Letters, v.26, no.10, 1999. pp.1453-1456

BEAULIEU, STACE E. (with Michael M. Mullin, Van T. Tang, Solana M. Pyne, Andrew L. King, and Benjamin S. Twining). Using an optical plankton counter to determine the size distributions of preserved zooplankton samples. Journal of Plankton Research, v.21, no.10, 1999. pp.1939-1956

BELOFSKY, GILBERT N. (with Paul R. Jensen, and William Fenical). Sansalvamide: A new cytotoxic cyclic depsipeptide produced by a marine fungus of the genus Fusarium. Tetrahedron Letters, v.40, 1999. pp.2913-291

BENNETT, RICHARD H. (with Barbara Ransom, Miriam Kastner, Roy J. Baerwald, Matthew H. Hulbert, William B. Sawyer, Harold Olsen, and Michael W. Lambert). Early diagenesis: Impact of organic matter on mass physical properties and processes, California continental margin. Marine Geology, v.159, 1999. pp.7-34

BERSIER, LOUIS-FELIX (with Paul A. Dixon and George Sugihara). Scale-invariant or scale-dependent behavior of the link density property in food webs: A matter of sampling effort? American Naturalist, v.153, no.6, 1999. pp.676-682

BIDLE, KELLY A. (with Miriam Kastner and Douglas H. Bartlett). A phylogenetic analysis of microbial communities associated with methane hydrate containing marine fluids and sediments in the Cascadia margin (ODP site 892B). FEMS Microbiology Letters, v.177, 1999. pp.101-108

BIONDI, FRANCO Comparing tree-ring chronologies and repeated timber inventories as forest monitoring tools. Ecological Applications, v.9, no.1, 1999. pp.216-227

BIONDI, FRANCO (with D. L. Perkins, Daniel R. Cayan, and M. K. Hughes). July temperature during the second millennium reconstructed from Idaho tree rings. Geophysical Research Letters, v.26, no.10, 1999. pp.1445-1448

BIONDI, FRANCO (with J. E. Fessenden). Response of lodgepole pine growth to CO2 degassing at Mammoth Mountain, California. Ecology, v.80, no.7, 1999. pp.2420- 2426

BLACKBURN, CHRISTINE L. (with Cordula Hopmann, Roman Sakowicz, Michael S. Berdelis, Lawrence S. B. Goldstein, and D. John Faulkner). Adociasulfates 1-6, inhibitors of kinesin motor proteins from the sponge Haliclona (aka Adocia). sp. Journal of Organic Chemistry, v.64, no.15, 1999. pp.5565-5570

BRINTON, EDWARD (with Mark D. Ohman, Annie W. Townsend, Margaret D. Knight, and A. L. Bridgeman). In: Euphausiids of the World Ocean. World Biodiversity database CD-ROM Series. Windows version 1.0. Computer Data and Program. Amsterdam, University of Amsterdam, ETI, 2000.

BROMIRSKI, PETER D. (with Reinhard E. Flick and Nicholas E. Graham). Ocean wave height determined from inland seismometer data: Implications for investigating wave climate changes in the NE Pacific. Journal of Geophysical Research, v.104, no.C9, 1999. pp.20,753-20,766

BROOK, EDWARD J. (with Susan Harder, Jeffrey P. Severinghaus, and Michael L. Bender). Atmospheric methane and millennial-scale climate change. In: Mechanisms of Global Climate Change at Millenial Time Scales. Geophysical Monograph 112, edited by Peter U. Clark, Robert S. Webb, and Lloyd D. Keigwin. Washington, D.C., American Geophysical Union, 1999. pp.165-175

BROOKS, IAN M. (with Andreas K. Goroch and David P. Rogers). Observations of strong surface radar ducts over the Persian Gulf. Journal of Applied Meteorology, v.38, 1999. pp.1293-1310

BUCKINGHAM, MICHAEL J. On the phase speed and attenuation of an interface wave in an unconsolidated marine sediment. Journal of the Acoustical Society of America, v.106, no.4, pt.1, 1999. pp.1694-1703

BUCKINGHAM, MICHAEL J. Theory of compressional and transverse wave propagation in consolidated porous media. Journal of the Acoustical Society of America, v.106, no.2, 1999. pp.575-581

BULLOCK, THEODORE HOLMES The future of research on electroreception and electrocommunication. Journal of Experimental Biology, v.202, 1999. pp.1455- 1458

BULLOCK, THEODORE HOLMES Neuroethology has pregnant agendas. Journal of Comparative Physiology A, v.185, 1999. pp.291-295

BULLOCK, THEODORE HOLMES Slow potentials in the brain: Still little understood but gradually getting analytical attention. Brain Research Bulletin, v.50, no.5/6, 1999. pp.315-316

BUSH, BRETT C. (with Francisco P. J. Valero). Comparison of ARESE clear sky surface radiation measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, v.61, no.2, 1999. pp.249-264

BUSH, BRETT C. (with Shelly K. Pope, Anthony Bucholtz, Francisco P. J. Valero, and Anthony W. Strawa). Surface radiation measurements during the ARESE campaign. Journal of Quantitative Spectroscopy and Radiative Transfer, v.61, no.2, 1999. pp.237-247

BUTLER, JAMES H. (with Mark Battle, Michael L. Bender, Stephen A. Montzka, Andrew D. Clarke, Eric S. Saltzman, Cara M. Sucher, Jeffrey P. Severinghaus, and James W. Elkins). A record of atmospheric halocarbons during the twentieth century from polar firn air. Nature, v.399, 1999. pp.749-755

CATANIA, KENNETH C. (with R. Glenn Northcutt and Jon H. Kaas). The development of a biological novelty: A different way to make appendages as revealed in the snout of the star-nosed mole Condylura cristata. Journal of Experimental Biology, v.202, 1999. pp.2719-2726

CAYAN, DANIEL R. (with Kelly T. Redmond and Laurence G. Riddle). ENSO and hydrologic extremes in the western United States. Journal of Climate, v.12, 1999. pp.2881-2893

CESS, R. D. (with Minghua Zhang, Francisco P. J. Valero, Shelly K. Pope, Anthony Bucholtz, Brett C. Bush, Charles S. Zender, and John Vitko Jr.). Absorption of solar radiation by the cloudy atmosphere: Further interpretations of collocated aircraft measurements. Journal of Geophysical Research, v.104, no.D2, 1999. pp.2059-2066

CHADWELL, C. DAVID (with John A. Hildebrand, Fred N. Spiess, Janet L. Morton, William R. Normark, and Carol A. Reiss). No spreading across the southern Juan de Fuca ridge axial cleft during 1994-1996. Geophysical Research Letters, v.26, no.16, 1999. pp.2525-2528

CHADWELL, C. DAVID Reliability analysis for design of stake networks to measure glacier surface velocity. Journal of Glaciology, v.45, no.149, 1999. pp.154-164

CHEN, SHYH-CHIN (with John Owen Roads, H. Juang, and M. Kanamitsu). Global to regional simulations of California wintertime precipitation. Journal of Geophysical Research, v.104, no.D24, 1999. pp.31,517-31,532

CHEN, YONGZE (with Robert T. Guza). Resonant scattering of edge waves by longshore periodic topography: Finite beach slope. Journal of Fluid Mechanics, v.387, 1999. pp.255-269

CHENG, XING-CHUNG (with Paul R. Jensen and William Fenical). Arenaric acid, a new pentacyclic polyether produced by a marine bacterium (Actinomycetales). Journal of Natural Products, v.62, no.4, 1999. pp.605-607

CHENG, XING-CHUNG (with Paul R. Jensen and William Fenical). Luisols A and B, new aromatic tetraols produced by an estuarine marine bacterium of the genus Streptomyces (Actinomycetales). Journal of Natural Products, v.62, no.4, 1999. pp.608-610

COLOSI, JOHN A. (with Edward K. Scheer, S. M. Flatte, B. Cornuelle, Matthew Dzieciuch, Walter H. Munk, Peter F. Worcester, Bruce M. Howe, J. A. Mercer, Robert C. Spindel, K. Metzger, T. G. Birdsall, and Arthur B. Baggeroer). Comparisons of measured and predicted acoustic fluctuations for a 3250-km

propagation experiment in the eastern North Pacific Ocean. Journal of the Acoustical Society of America, v.105, no.6, 1999. pp.3202-3218

COLOSI, JOHN A. (with ATOC Group). A review of recent results on ocean acoustic wave propagation in random media: Basin scales. IEEE Journal of Oceanic Engineering, v.24, no.2, 1999. pp.138-155

CONSTABLE, CATHERINE G. (with Catherine L. Johnson). Anisotropic paleosecular variation models: Implications for geomagnetic field observables. Physics of the Earth and Planetary Interiors, v.115, 1999. pp.35-51

COURCHAMP, FRANCK (with Michel Langlais and George Sugihara). Cats protecting birds: Modelling the mesopredator release effect. Journal of Animal Ecology, v.68, 1999. pp.282-292

COURCHAMP, FRANCK (with Michel Langlais and George Sugihara). Control of rabbits to protect island birds from cat predation. Biological Conservation, v.89, 1999. pp.219-225

COURCHAMP, FRANCK (with George Sugihara). Modeling the biological control of an alien predator to protect island species from extinction. Ecological Applications, v.9, no.1, 1999. pp.112-123

CRAIG, HARMON 1998 Balzan prize for geochemistry: Acceptance speech and scientific panorama. Geochimica et Cosmochimica Acta, v.63, no.11/12, 1999. pp.v-xi

CRAWFORD, WAYNE C. (with Spahr Webb and John A. Hildebrand). Constraints on melt in the lower crust and Moho at the East Pacific Rise, 9 48'N, using seafloor compliance measurements. Journal of Geophysical Research, v.104, no.B2, 1999. pp.2923-2939

CRIMP, S. J. (with Simon J. Mason). The extreme precipitation event of 11 to 16 February 1996 over South Africa. Meteorology and Atmospheric Physics, v.70, 1999. pp.29-42

CRUCE, WILLIAM L. R. (with Sherry L. Stuesse and R. Glenn Northcutt). Brainstem neurons with descending projections to the spinal cord of two elasmobranch fishes: Thornback guitarfish, Platyrhinoidis triseriata, and horn shark, Heterodontus francisci. Journal of Comparative Neurology, v.403, 1999. pp.534-560

DAVIDSON, SEANA K. (with Margo G. Haygood). Identification of sibling species of the bryozoan Bugula neritina that produce different anticancer bryostatins and harbor distinct strains of the bacterial symbiont "Candidatus Endobugula sertula". Biological Bulletin, v.196, 1999. pp.273-280

DAYTON, PAUL K. (with Mia J. Tegner, Peter B. Edwards, and Kristin L. Riser). Temporal and spatial scales of kelp demography: The role of oceanographic climate. Ecological Monographs, v.69, no.2, 1999. pp.219-250

DEANE, GRANT B. Acoustic hot-spots and breaking wave noise in the surf zone. Journal of the Acoustical Society of America, v.105, no.6, 1999. pp.3151-3167

DEANE, GRANT B. (with M. Dale Stokes). Air entrainment processes and bubble size distributions in the surf zone. Journal of Physical Oceanography, v.29, 1999. pp.1393-1403

DEANE, GRANT B. The beam forming properties of a concave spherical reflector with an on-axis receiver. Journal of the Acoustical Society of America, v.106, no.3, pt.1, 1999. pp.1255-1261

DE GROOT-HEDLIN, C. (with John A. Orcutt). Synthesis of earthquake-generated T- waves. Geophysical Research Letters, v.26, no.9, 1999. pp.1227-1230

DE GUZMAN, FLORECITA S. (with Brad Carte, Nelson Troupe, D. John Faulkner, Mary Kay Harper, Gisela P. Concepcion, Gina C. Mangalindan, Sandra S. Matsumoto, Louis R. Barrows, and Chris M. Ireland). Neoamphimedine: A new pyridoacridine topoisomerase II inhibitor which catenates DNA. Journal of Organic Chemistry, v.64, no.4, 1999. pp.1400-1402

DE ROBERTIS, A. (with Mark D. Ohman). A free-drifting mimic of vertically migrating zooplankton. Journal of Plankton Research, v.21, no.10, 1999. pp.1865-1875

DIXON, PAUL A. (with Maria J. Milicich and George Sugihara). Episodic fluctuations in larval supply. Science, v.283, 1999. pp.1528-1530

DORMAN, C. E. (with David P. Rogers, Wendall A. Nuss, and W. T. Thompson). Adjustment of the summer marine boundary layer around Point Sur, California. Monthly Weather Review, v.127, 1999. pp.2143-2159

D'SPAIN, GERALD L. (with W. A. Kuperman). Application of waveguide invariants to analysis of spectrograms from shallow water environments that vary in range and azimuth. Journal of the Acoustical Society of America, v.106, no.5, 1999. pp.2454-2468

D'SPAIN, GERALD L. (with J. J. Murray, W. S. Hodgkiss, N. O. Booth, and P. W. Schey). Mirages in shallow water matched field processing. Journal of the Acoustical Society of America, v.105, no.6, 1999. pp.3245-3265

DUSHAW, BRIAN D. (with Bruce M. Howe, J. A. Mercer, and Robert C. Spindel, and ATOC Group). Multimegameter-range acoustic data obtained by bottom-mounted hydrophone arrays for measurement of ocean temperature. IEEE Journal of Oceanic Engineering, v.24, no.2, 1999. pp.202-214

EPIFANIO, CHAD L. (with John Potter, Grant B. Deane, Mark L. Readhead, and Michael J. Buckingham). Imaging in the ocean with ambient noise: The ORB experiments. Journal of the Acoustical Society of America, v.106, no.6, 1999. pp.3211-3225

EVERETT, MARK E. (with Steven C. Constable). Electric dipole fields over an anisotropic seafloor: Theory and application to the structure of 40 Ma Pacific Ocean lithosphere. Geophysical Journal International, v.136, 1999. pp.41-56

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.16, 1999. pp.155-198

FISCHER, HUBERTUS (with M. Wahlen, H. J. Smith, D. Mastroianni, and B. Deck). Ice core records of atmospheric CO2 around the last three glacial terminations. Science, v.283, 1999. pp.1712-1714

FISCHER, KENNETH W. (with Sonya Legg, Walter H. Munk, R. A. Shuchman, Roland W. Garwood, and Jeffrey P. Palshook). Modeled radar surface signature of deep ocean convection. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.4, 1999. pp.2050-2067

FITTS, TINA G. (with Kevin M. Brown). Stress-induced smectite dehydration: Ramifications for patterns of freshening and fluid expulsion in the N. Barbados accretionary wedge. Earth and Planetary Science Letters, v.172, 1999. pp.179- 197

FLANAGAN, MEGAN P. (with P. M. Shearer). A map of topography on the 410-km discontinuity from PP precursors. Geophysical Research Letters, v.26, no.5, 1999. pp.549-552

FOUGNIE, BERTRAND (with Robert Frouin, Pierre Lecomte, and Pierre-Yves Deschamps). Reduction of skylight reflection effects in the above-water measurement of diffuse marine reflectance. Applied Optics, v.38, no.18, 1999. pp.3844-3856

FOUGNIE, BERTRAND (with Pierre-Yves Deschamps and Robert Frouin). Vicarious calibration of the POLDER ocean color spectral bands using in situ measurements. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.3, 1999. pp.1567-1574

FRANCIS, CHRIS A. (with Bradley M. Tebo). Marine Bacillus spores as catalysts for oxidative precipitation and sorption of metals. Journal of Molecular Microbiology and Biotechnology, v.1, no.1, 1999. pp.71-78

FURNES, HARALD (with Hubert Staudigel). Biological mediation in ocean crust alteration: How deep is the deep biosphere? Earth and Planetary Science Letters, v.166, 1999. pp.97-103

GANS, CARL (with Robert Dudley, Nancy M. Aguilar, and Jeffrey B. Graham). Late Paleozoic atmospheres and biotic evolution. Historical Biology, v.13, 1999. pp.199-219

GAO, DENGLIANG (with Stephen D. Hurst, Jeffrey A. Karson, John R. Delaney, and Fred N. Spiess). Computer-aided interpretation of side-looking sonar images from the eastern intersection of the Mid-Atlantic Ridge with the Kane Transform. Journal of Geophysical Research, v.103, no.B9, 1998. pp.20,997-21,014

GERSHUNOV, ALEXANDER (with Tim P. Barnett and Daniel R. Cayan). North Pacific interdecadal oscillation seen as factor in ENSO-related North American climate anomalies. Eos, v.80, no.3, 1999. pp.25, 29-30

GIBBONS, M. J. (with et. al.). The taxonomic richness of South Africa's marine fauna: A crisis at hand. South African Journal of Science, v.95, 1999. pp.8- 12

- GLAVIN, DANIEL P. (with J. L. Bada, Karen L. F. Brinton, and Gene D. McDonald). Amino acids in the Martian meteorite Nakhla. Proceedings of the National Academy of Sciences of the United States of America, v.96, 1999. pp.8835-8838
- GOERICKE, RALF (with Amy Shankle and Daniel J. Repeta). Novel carotenol chlorin esters in marine sediments and water column particulate matter. Geochimica et Cosmochimica Acta, v.63, no.18, 1999. pp.2825-2834
- HAMMEL, H. T. Evolving ideas about osmosis and capillary fluid exchange. The FASEB Journal, v.13, 1999. pp.213-231
- HAYGOOD, MARGO G. (with Eric W. Schmidt, Seana K. Davidson, and D. John Faulkner). Microbial symbionts of marine invertebrates: Opportunities for microbial biotechnology. Journal of Molecular Microbiology and Biotechnology, v.1, no.1, 1999. pp.33-43
- HAYWARD, THOMAS L. (with Tim R. Baumgartner, David M. Checkley, Reginaldo Durazo, Gilberto Gaxiola-Castro, K. David Hyrenbach, Arnold W. Mantyla, Michael M. Mullin, Tom Murphree, Franklin B. Schwing, Paul E. Smith, and Mia J. Tegner). The state of the California Current in 1998-1999: Transition to cool-water conditions. California Cooperative Oceanic Fisheries Investigations. Reports, v.40, 1999. pp.29-62
- HELLBERG, MICHAEL E. (with Victor D. Vacquier). Rapid evolution of fertilization selectivity and lysin cDNA sequences in teguline gastropods. Molecular Biology and Evolution, v.16, no.6, 1999. pp.839-848
- HERBERS, T. H. C. (with Steve Elgar and Robert T. Guza). Directional spreading of waves in the nearshore. Journal of Geophysical Research, v.104, no.C4, 1999. pp.7683-7693
- HILTON, DAVID R. (with Karl Gronvold, Colin G. Macpherson, and Paterno R. Castillo). Extreme 3He/4He ratios in northwest Iceland: Constraining the common component in mantle plumes. Earth and Planetary Science Letters, v.173, no.1-2, 1999. pp.53-60
- HODGKISS, W. S. (with H. C. Song, W. A. Kuperman, T. Akal, C. Ferla, and D. R. Jackson). A long-range and variable focus phase-conjugation experiment in shallow water. Journal of the Acoustical Society of America, v.105, no.3, 1999. pp.1597-160
- HWANG, YOUNG (with David Rowley, Denise Rhodes, Jeff Gertsch, William Fenical, and Frederic D. Bushman). Mechanism of inhibition of a poxvirus topoisomerase by the marine natural product sansalvamide A. Molecular Pharmacology, v.55, 1999. pp.1049-1053
- IACOBELLIS, SAM (with Robert Frouin and Richard C. J. Somerville). Direct climate forcing by biomass-burning aerosols: Impact of correlations between controlling variables. Journal of Geophysical Research, v.104, no.D10, 1999. pp.12,031- 12,045
- INDERMUHLE, A. (with T. F. Stocker, F. Joos, Hubertus Fischer, H. J. Smith, M. Wahlen, B. Deck, D. Mastroianni, J. Tschumi, Thomas Blunier, R. Meyer, and B. Stauffer). Holocene carbon-cycle dynamics based on CO2 trapped in ice at Taylor Dome, Antarctica. Nature, v.398, 1999. pp.121-126

INMAN, DOUGLAS L. (with Scott A. Jenkins). Climate change and the episodicity of sediment flux of small California rivers. Journal of Geology, v.107, 1999. pp.251-270

JAFFE, JULES S. (with Mark D. Ohman and A. De Robertis). Sonar estimates of daytime activity levels of Euphausia pacifica in Saanich Inlet. Canadian Journal of Fisheries and Aquatic Sciences, v.56, 1999. pp.2000-2010

JAFFE, JULES S. Target localization for a three-dimensional multibeam sonar imaging system. Journal of the Acoustic Society of America, v.105, no.6, 1999. pp.3168-3175

JAFFE, JULES S. Technology workshop for a census of marine life. Oceanography, v.12, no.3, 1999. pp.8-11

JAMORA, COLIN (with Norma Yamanouye, Johan Van Lint, John Laudenslager, Jackie R. Vandenheede, D. John Faulkner, and Vivek Malhotra). GBy-mediated regulation of Golgi organization is through the direct activation of protein kinase D. Cell, v.98, 1999. pp.59-68

JENKINS, KELLY M. (with Paul R. Jensen and William Fenical). Thraustochytrosides A-C: New glycosphingolipids from a unique marine protist, Thraustochytrium globosum. Tetrahedron Letters, v.40, 1999. pp.7637-7640

JENKINS, SCOTT A. (with Douglas L. Inman). Sand transport mechanics for equilibrium in tidal inlets. Shore and Beach, v.67, no.1, 1999. pp.53-58

JIANG, ZHI-DONG (with Paul R. Jensen and William Fenical). Lobophorins A and B, new antiinflammatory macrolides produced by a tropical marine bacterium. Bioorganic and Medicinal Chemistry Letters, v.9, 1999. pp.2003-2006

JIN, ZHONGHAI (with James J. Simpson). Bidirectional anisotropic reflectance of snow and sea ice in AVHRR Channel 1 and 2 spectral regions-Part I: Theoretical analysis. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.1, 1999. pp.543-554

JURY, MARK R. (with Henry M. Mulenga and Simon J. Mason). Exploratory long-range models to estimate summer climate variability over southern Africa. Journal of Climate, v.12, 1999. pp.1892-1899

KADTKE, JAMES B. (with Michael Kremliovsky). Estimating dynamical models using generalized correlation functions. Physics Letters A, v.260, 1999. pp.203-208

KASTNER, MIRIAM Oceanic minerals: Their origin, nature of their environment, and significance. Proceedings of the National Academy of Sciences of the United States of America, v.96, 1999. pp.3380-3387

KATZ, STEPHEN (with R. E. Shadwick). Curvature of swimming fish midlines as an index of muscle strain suggests swimming muscle produces net positive work. Journal of Theoretical Biology, v.193, 1998. pp.243-256

- KATZ, STEPHEN (with R. E. Shadwick and H. Scott Rapoport). Muscle strain histories in swimming milkfish in steady and sprinting gaits. Journal of Experimental Biology, v.202, 1999. pp.529-541
- KIM, DONGSEON (with Jeffrey D. Schuffert and Miriam Kastner). Francolite authigenesis in California continental slope sediments and its implications for the marine P cycle. Geochimica et Cosmochimica Acta, v.63, no.19/20, 1999. pp.3477-3485
- KLEPAL, W. (with William A. Newman and W. Tufar). The puzzling appearance of specimens of a hydrothermal vent barnacle from the Manus Basin, Eochionelasmus ohtai Yamaguchi, 1990, when brought on deck of the R/V "Sonne". In: Crustaceans and the Biodiversity Crisis: Proceedings of the Fourth International Crustacean Congress, Amsterdam, The Netherlands, July 20-24, 1998, vol. 1, edited by Frederick R. Schram and J. C. von Vaupel Klein. Leiden, The Netherlands, Brill, 1999. pp.195-199
- KLINE JR., THOMAS C. (with Ralph A. Lewin). Natural 15N/14N abundance as evidence for N 2 fixation by Prochloron (Prochlorophyta). endosymbiotic with didemnid ascidians. Symbiosis, v.26, 1999. pp.193-198
- KNOWER, TORRE (with R. E. Shadwick, Stephen Katz, Jeffrey B. Graham, and Clement S. Wardle). Red muscle activation patterns in yellowfin (Thunnus albacares). and skipjack (Katsuwonus pelamis). tunas during steady swimming. Journal of Experimental Biology, v.202, 1999. pp.2127-2138
- KOPPERS, ANTHONY A. P. (with Hubert Staudigel, Jan R. Wijbrans, and M. S. Pringle). The Magellan Seamount Trail: Implications for Cretaceous hotspot volcanism and absolute Pacific plate motion. Earth and Planetary Science Letters, v.163, 1998. pp.53-68
- LAL, D. Cosmic ray produced isotopes in terrestrial systems. Proceedings of the Indian Academy of Sciences (Earth and Planetary Sciences), v.107, no.4, 1998. pp.241-249
- LAL, D. An overview of five decades of studies of cosmic ray produced nuclides in oceans. Science of the Total Environment, v.237/238, 1999. pp.3-13
- LAND, LEWIS A. (with C. K. Paull and Fred N. Spiess). Abyssal erosion and scarp retreat: Deep Tow observations of the Blake Escarpment and Blake Spur. Marine Geology, v.160, 1999. pp.63-83
- LANDMAN, WILLEM A. (with Simon J. Mason). Change in the association between Indian Ocean seasurface temperatures and summer rainfall over South Africa and Namibia. International Journal of Climatology, v.19, 1999. pp.1477-1492
- LANDMAN, WILLEM A. (with Simon J. Mason). Operational long-lead prediction of South African rainfall using canonical correlation analysis. International Journal of Climatology, v.19, 1999. pp.1073-1090
- LANGE, C. B. (with Wolfgang H. Berger, H.-L. Lin, G. Wefer, Shipboard Scientific Party Leg 175). The early Matuyama Diatom Maximum off SW Africa, Benguela Current system (ODP Leg 175). Marine Geology, v.161, 1999. pp.93-114

LASKE, G. (with Jason Phipps Morgan and John A. Orcutt). First results from the Hawaiian SWELL pilot experiment. Geophysical Research Letters, v.26, no.22, 1999. pp.3397-3400

LASKE, G. (with Guy Masters). Limits on differential rotation of the inner core from an analysis of the Earth's free oscillations. Nature, v.402, 1999. pp.66-69

LATZ, MICHAEL I. (with J. J. Rohr). Luminescent response of the red tide dinoflagellate Lingulodinium polyedrum to laminar and turbulent flow. Limnology and Oceanography, v.44, no.6, 1999. pp.1423-1435

LAVANIEGOS, BERTHA (with Mark D. Ohman). Hyperiid amphipods as indicators of climate change in the California Current. In: Crustaceans and the Biodiversity Crisis: Proceedings of the Fourth International Crustacean Congress, Amsterdam, The Netherlands, July 20-24, 1998, vol. I, edited by Frederick R. Schram and J. C. von Vaupel Klein. Leiden, The Netherlands, Brill, 1999. pp.489-509

LEA, ROBERT N. (with Robert D. McAllister and David A. VenTresca). In: Biological Aspects of Nearshore Rockfishes of the Genus Sebastes from Central California: With Notes on Ecologically Related Sport Fishes. Fish Bulletin, v.177, 1999. 109p.

LEA, ROBERT N. A new and unique ophidiine cusk-eel from the Panamic region of the eastern North Pacific. Bulletin of Marine Science, v.60, no.3, 1997. pp.960-965

LEA, ROBERT N. (with Philippe Bearez). Occurrence of Chilara taylori (Ophidiidae), an eastern North Pacific cusk-eel from Ecuadorian waters. Cybium, v.23, no.1, 1999. pp.99-100

LEA, ROBERT N. The spotfin burrfish-an infrequent visitor. Tidelines, v.18, no.1, 1998. p.8

LEFEVRE, NATHALIE (with Andrew J. Watson, David J. Cooper, Ray F. Weiss, Taro Takahashi, and Stewart C. Sutherland). Assessing the seasonality of the oceanic sink for CO2 in the northern hemisphere. Global Biogeochemical Cycles, v.13, no.2, 1999. pp.273-286

LEISING, ANDREW W. (with Peter J. S. Franks). Larval Atlantic cod (Gadus morhua). and haddock (Melanogrammus aeglefinus). growth on Georges Bank: A model with temperature, prey size, and turbulence forcing. Canadian Journal of Fisheries and Aquatic Sciences, v.56, 1999. pp.25-36

LELIEVELD, JOS (with V. Ramanathan and P. J. Crutzen). The global effects of Asian haze. IEEE Spectrum, v.36, no.12, 1999. pp.50-54

LE MARSHALL, J. F. (with James J. Simpson and Zhonghai Jin). Satellite calibration using a collocated nadir observation technique: Theoretical basis and application to the GMS-5 pathfinder benchmark period. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.1, 1999. pp.499-507

LENNERT-CODY, CLERIDY E. (with Peter J. S. Franks). Plankton patchiness in high-frequency internal waves. Marine Ecology Progress Series, v.186, 1999. pp.59-66

LENTZ, S. J. (with Robert T. Guza, Steve Elgar, Falk Feddersen, and T. H. C. Herbers). Momentum balances on the North Carolina inner shelf. Journal of Geophysical Research, v.104, no.C8, 1999. pp.18,205-18,226

LEVANDER, ALAN (with Eugene D. Humphreys, Goran Ekstrom, Anne S. Meltzer, and P. M. Shearer). Proposed project would give unprecedented look under North America. Eos, v.80, no.22, 1999. pp.245, 250-251

LEVIN, LISA A. (with Neal E. Blair, C. Martin, David J. DeMaster, Gayle Plaia, and C. Thomas). Macrofaunal processing of phytodetritus at two sites on the Carolina margin: In situ experiments using 13C-labeled diatoms. Marine Ecology Progress Series, v.182, 1999. pp.37-54

LEWIN, RALPH A. Algae and Element Cycling in Wetlands, by Jan Vymazal. (Book Review). Phycologia, v.38, no.4, 1999. pp.342

LINDSAY, S. M. (with T. M. Frank, J. Kent, J. C. Partridge, and Michael I. Latz). Spectral sensitivity of vision and bioluminescence in the midwater shrimp Sergestes similis. Biological Bulletin, v.197, 1999. pp.348-360

LIPPMANN, T. C. (with T. H. C. Herbers and Edward B. Thornton). Gravity and shear wave contributions to nearshore infragravity motions. Journal of Physical Oceanography, v.29, 1999. pp.231-239

LIVINGSTON, ELLEN S. (with Alexandra Tolstoy and Peter F. Worcester). Guest Editorial. IEEE Journal of Oceanic Engineering, v.24, no.2, 1999. pp.133-137

LOGERWELL, ELIZABETH A. (with Mark D. Ohman). Egg-brooding, body size and predation risk in planktonic marine copepods. Oecologia, v.121, 1999. pp.426-431

LOVE, MILTON S. (with Robert N. Lea). Range extension of the quillback rockfish, Sebastes maliger, to the Southern California Bight. California Fish and Game, v.83, no.2, 1997. pp.78-83

LUTHER, DOUGLAS S. (with HOME Principal Investigators). The Hawaii Ocean Mixing Experiment (HOME): Is the abyssal stratification maintained by tidalgenic mixing? In Dynamics of Oceanic Internal Gravity Waves, II, Proceedings, Aha Huliko'a Hawaiian Winter Workshop, University of Hawaii at Manoa, January 18-22, 1999, edited by Peter Muller and Diane Henderson. Honolulu, Hawaii, School of Ocean and Earth Science and Technology, 1999. pp.57-62

LYON, JONNY D. (with Victor D. Vacquier). Interspecies chimeric sperm lysins identify regions mediating species-specific recognition of the abalone egg vitelline envelope. Developmental Biology, v.214, 1999. pp.151-159

MACPHERSON, COLIN G. (with David R. Hilton, Sally Newman, and David P. Mattey). CO2, 13C/12C and H20 variability in natural basaltic glasses: A study comparing stepped heating and FTIR spectroscopic techniques. Geochimica et Cosmochimica Acta, v.63, no.11/12, 1999. pp.1805-1813

MAIA, LENIZE F. (with Rosangela de A. Epifanio, Tegan Eve, and William Fenical). New fish feeding deterrents, including a novel sesquiterpenoid heterogorgiolide, from the Brazilian Gorgonian Heterogorgia uatumani (Octocorallia, Gorgonacea). Journal of Natural Products, v.62, 1999. pp.1322-1324

MANDERNACK, KEVIN W. (with Bradley M. Tebo). In situ sulfide removal and CO2 fixation rates at deep-sea hydrothermal vents and the oxic/anoxic interface in Framvaren Fjord, Norway. Marine Chemistry, v.66, 1999. pp.201-213

MANNING, ANDREW C. (with Ralph F. Keeling and Jeffrey P. Severinghaus). Precise atmospheric oxygen measurements with a paramagnetic oxygen analyzer. Global Biogeochemical Cycles, v.13, no.4, 1999. pp.1107-1115

MARTYNOV, VLADISLAV G. (with Frank Vernon, Robert J. Mellors, and Gary L. Pavlis). High-frequency attenuation in the crust and upper mantle of the northern Tien Shan. Bulletin of the Seismological Society of America, v.89, no.1, 1999. pp.215-238

MASON, SIMON J. (with Peter R. Waylen, Gillian M. Mimmack, Balakanapathy Rajaratnam, and J. Michael Harrison). Changes in extreme rainfall events in South Africa. Climatic Change, v.41, 1999. pp.249-257

MASON, SIMON J. (with Nicholas E. Graham). Conditional probabilities, relative operating characteristics, and relative operating levels. Weather and Forecasting, v.14, 1999. pp.713-725

MASON, SIMON J. (with Lisa Goddard, Nicholas E. Graham, Elena Yulaeva, Liqiang Sun, and Philip A. Arkin). The IRI seasonal climate prediction system and the 1997/98 El Nino event. Bulletin of the American Meteorological Society, v.80, no.9, 1999. pp.1853-1873

MCMILLAN, CHARMION B. Three new species of hagfish (Myxinidae, Eptatretus). from the Galapagos Islands. Fishery Bulletin, v.97, 1999. pp.110-117

MELLORS, ROBERT J. (with Victor E. Camp, Frank Vernon, Abdullah M. S. Al-Amri, and Ali Ghalib). Regional waveform propagation in the Arabian Peninsula. Journal of Geophysical Research, v.104, no.B9, 1999. pp.20,221-20,235

MEYWERK, JENS (with V. Ramanathan). Observations of the spectral clear-sky aerosol forcing over the tropical Indian Ocean. Journal of Geophysical Research, v.104, no.D20, 1999. pp.24,359-24,370

MILES, JOHN W. On Faraday resonance of a viscous liquid. Journal of Fluid Mechanics, v.395, 1999. pp.321-325

MILLER, ARTHUR J. (with B. Cornuelle). Forecasts from fits of frontal fluctuations. Dynamics of Atmospheres and Oceans, v.29, 1999. pp.305-333

MILLER, ARTHUR J. (with J. C. McWilliams, Niklas Schneider, J. S. Allen, J. A. Barth, Robert C. Beardsley, Francisco P. Chavez, T. K. Chereskin, C. A. Edwards, R. L. Haney, Kathryn A. Kelly, J. C. Kindle, L. N. Ly, J. R. Moisan, Marlene Noble, Pearn P. Niiler, L. Y. Oey, Franklin B. Schwing, R. K.

Shearman, and Mark Swenson). Observing and modeling the California Current System. Eos, v.80, no.45, 1999. pp.533, 534, 536, 539

MITCHELL, SCOTT S. (with Mary Kay Harper and D. John Faulkner). Spongiabutenolides A - D: Minor - hydroxybutenolide diterpenoids from a Philippines Spongia sp. Tetrahedron, v.55, 1999. pp.10,887-10,892

MOORE, BRADLEY S. (with Jacqueline A. Trischman, Dieter Seng, David Kho, Paul R. Jensen, and William Fenical). Salinamides, antiinflammatory depsipeptides from a marine streptomycete. Journal of Organic Chemistry, v.64, no.4, 1999. pp.1145-1150

MURRAY, STEVEN N. (with Richard F. Ambrose, James A. Bohnsack, Louis W. Botsford, Mark H. Carr, Gary E. Davis, Paul K. Dayton, Dan Gotshall, Don R. Gunderson, Mark A. Hixon, Jane Lubchenco, Marc Mangel, Alec MacCall, Deborah A. McArdle, John C. Ogden, Joan Roughgarden, Richard M. Starr, Mia J. Tegner, and Mary M. Yoklavich). No-take reserve networks: Sustaining fishery populations and marine ecosystems. Fisheries, v.24, no.11, 1999. pp.11-25

NAKAJIMA, TERUYUKI (with Akiko Higurashi, Kazuma Aoki, Tatsuo Endoh, Hajime Fukushima, Mitsuhiro Toratani, Yasushi Mitomi, B. G. Mitchell, and Robert Frouin). Early phase analysis of OCTS radiance data for aerosol remote sensing. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.3, 1999. pp.1575- 1585

NAUEN, J. C. (with R. E. Shadwick). The scaling of acceleratory aquatic locomotion: Body size and tail-flip performance of the California spiny lobster Panulirus interruptus. Journal of Experimental Biology, v.202, 1999. pp.3181-3193

NELSON, JOSEPH S. (with Edwin J. Crossman, Hector Espinosa-Perez, Carter R. Gilbert, Robert N. Lea, and James D. Williams). Recommended changes in common fish names: Pikeminnow to replace squawfish (Ptychocheilus spp.). Fisheries, v.23, no.9, 1998. p.37

NEWBOLD, ROCHELLE W. (with Paul R. Jensen, William Fenical, and Joseph R. Pawlik). Antimicrobial activity of Caribbean sponge extracts. Aquatic Microbial Ecology, v.19, 1999. pp.279-284

NORTHCUTT, R. GLENN Evolution of vertebrate brains. In: Encyclopedia of Neuroscience, edited by George Adelman and Barry H. Smith. Amsterdam, Elsevier, 1999. pp.688-692

NORTHCUTT, R. GLENN Field homology: A meaningless concept. European Journal of Morphology, v.37, no.2, 3, 1999. pp.95-99

O'BRIEN, MICHAEL S. (with Robert L. Parker and Catherine G. Constable). Magnetic power spectrum of the ocean crust on large scales. Journal of Geophysical Research, v.104, no.B12, 1999. pp.29,189-29,201

PENTEK, A. (with G. Karolyi, I. Scheuring, T. Tel, Z. Toroczkai, James B. Kadtke, and C. Grebogi). Fractality, chaos, and reactions in imperfectly mixed open hydrodynamical flows. Physica A, v.274, 1999. pp.120-131

PONGANIS, PAUL J. (with L. N. Starke, Markus Horning, and Gerald L. Kooyman). Development of diving capacity in emperor penguins. Journal of Experimental Biology, v.202, 1999. pp.781-786

PONGANIS, PAUL J. (with Gerald L. Kooyman). Heart rate and electrocardiogram characteristics of a young California gray whale (Eschrichtius robustus). Marine Mammal Science, v.15, no.4, 1999. pp.1198-1207

PONGANIS, PAUL J. (with Gerald L. Kooyman, R. Van Dam, and Yvon LeMaho). Physiological responses of king penguins during simulated diving to 136 m depth. Journal of Experimental Biology, v.202, 1999. pp.2819-2822

QURESHI, ASFIA (with D. John Faulkner). Haplosamates A and B: New steroidal sulfamate esters from two haplosclerid sponges. Tetrahedron, v.55, 1999. pp.8323-8330

QURESHI, ASFIA (with Christopher S. Stevenson, Carey L. Albert, R. S. Jacobs, and D. John Faulkner). Homo- and nor-plakotenin, new carboxylic acids from the Palauan sponge Plakortis lita. Journal of Natural Products, v.62, no.8, 1999. pp.1205-1207

QURESHI, ASFIA (with D. John Faulkner). 3,6-dibromoindole, a new indole from the Palauan ascidian Distaplia regina. Natural Product Letters, v.13, no.1, 1999. pp.59-62

RAUBENHEIMER, B. (with Robert T. Guza and Steve Elgar). Tidal water table fluctuations in a sandy ocean beach. Water Resources Research, v.35, no.8, 1999. pp.2313-2320

REDDY, M. VENKATA RAMI (with M. Rama Rao, Denise Rhodes, Mark S. T. Hansen, Kathleen Rubins, Frederic D. Bushman, Yenamandra Venkateswarlu, and D. John Faulkner). Lamellarin à 20-sulfate, an inhibitor of HIV-1 integrase active against HIV-1 virus in cell culture. Journal of Medicinal Chemistry, v.42, no.11, 1999. pp.1901-1907

RENNER, MATTHEW K. (with Ya-Ching Shen, Xing-Chung Cheng, Paul R. Jensen, Walter Frankmoelle, Christopher A. Kauffman, William Fenical, Emil Lobkovsky, and Jon Clardy). Cyclomarins A-C, new antiinflammatory cyclic peptides produced by a marine bacterium (Streptomyces sp.). Journal of the American Chemical Society, v.121, no.49, 1999. pp.11,273-11,276

ROCHA-OLIVARES, AXAYACATL (with Richard H. Rosenblatt and R. D. Vetter). Cryptic species of rockfishes (Sebastes: Scorpaenidae) in the Southern Hemisphere inferred from mitochondrial lineages. Journal of Heredity, v.90, no.3, 1999. pp.404-411

ROCHA-OLIVARES, AXAYACATL (with Carol Kimbrell, Blaise J. Eitner, and R. D. Vetter). Evolution of a mitochondrial cytochrome b gene sequence in the species- rich genus Sebastes (Teleostei, Scorpaenidae). and its utility in testing the monophyly of the subgenus Sebastomus. Molecular Phylogenetics and Evolution, v.11, no.3, 1999. pp.426-440

ROCHA-OLIVARES, AXAYACATL (with Richard H. Rosenblatt and R. D. Vetter). Molecular evolution, systematics, and zoogeography of the rockfish subgenus Sebastomus (Sebastes, Scorpaenidae). based on

mitochondrial cytochrome b and control region sequences. Molecular Phylogenetics and Evolution, v.11, no.3, 1999. pp.441-458

ROMERO, OSCAR E. (with C. B. Lange, Gerhard Fischer, Ute F. Treppke, and G. Wefer). Variability in export production documented by downward fluxes and species composition of marine planktic diatoms: Observations from the tropical and equatorial Atlantic. In: Use of Proxies in Paleoceanography: Examples from the South Atlantic, edited by G. Fischer and G. Wefer. Berlin, Springer-Verlag, 1999. pp.365-392

ROSS, ARNOLD Membranobalanus Hoek from Pliocene sediments of southern California (Cirripedia, Balanomorpha). Crustaceana, v.72, no.3, 1999. pp.359-361

ROSS, ARNOLD (with William A. Newman). A new coral-inhabiting barnacle from Taiwan (Cirripedia: Pyrgomatidae). Zoological Studies, v.38, no.4, 1999. pp.387-390

ROSS, ARNOLD Notes on the coral-inhabiting barnacles of the Great Barrier Reef, Australia (Cirripedia: Pyrgomatidae). Memoirs of the Queensland Museum, v.43, no.2, 1999. pp.833-836

ROSS, ARNOLD On the occurrence of Megabalanus stultus (Darwin), 1854 (Cirripedia: Balanomorpha) in Taiwan: A reappraisal. Zoological Studies, v.38, no.3, 1999. pp.275-278

ROSS, ARNOLD (with Ray T. Perreault). Revision of the Tetraclitellinae and description of a new species of Newmanella Ross from the tropical western- Atlantic Ocean (Cirripedia: Tetraclitoidea). Sessile Organisms, v.15, no.2, 1999. pp.1-8

ROSS, ARNOLD Studies on the Tetraclitidae (Cirripedia: Balanomorpha); new species of Tetraclita from the Red Sea. Pakistan Journal of Marine Sciences, v.8, no.1, 1999. pp.41-53

ROTH, ERICH G. (with Douglas A. Wiens, L. M. Dorman, John A. Hildebrand, and Spahr Webb). Seismic attenuation tomography of the Tonga-Fiji region using phase pair methods. Journal of Geophysical Research, v.104, no.B3, 1999. pp.4795- 4809

ROZENBERG, ANATOL D. (with Michael J. Ritter, W. K. Melville, Christopher C. Gottschall, and Andre V. Smirnov). Free and bound capillary waves as microwave scatterers: Laboratory studies. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.2, 1999. pp.1052-1065

RUDNICK, DANIEL L. (with Raffaele Ferrari). Compensation of horizontal temperature and salinity gradients in the ocean mixed layer. Science, v.283, 1999. pp.526-529

RUMSEY, S. M. (with Peter J. S. Franks). Influence of variability in larval development on recruitment success in the euphausiid Euphausia pacifica: Elasticity and sensitivity analyses. Marine Biology, v.133, 1999. pp.283-291

SACHS, JULIAN P. (with Daniel J. Repeta and Ralf Goericke). Nitrogen and carbon isotopic ratios of chlorophyll from marine phytoplankton. Geochimica et Cosmochimica Acta, v.63, no.9, 1999. pp.1431-1441

SALMON, RICK The lattice Boltzmann method as a basis for ocean circulation modeling. Journal of Marine Research, v.57, 1999. pp.503-535

SANFILIPPO, ANNIKA (with Donna M. Hull with a contribution by Emilio Flores Albin). Upper Paleocene-lower Eocene radiolarian biostratigraphy of the San Francisco de Paula section, western Cuba: Regional and global comparisons. Micropaleontology, v.45, Supplement 2, 1999. pp.57-82

SATHEESH, S. K. (with V. Ramanathan, Xu Li-Jones, J. M. Lobert, Igor A. Podgorny, J. M. Prospero, B. N. Holben, and N. G. Loeb). A model for the natural and anthropogenic aerosols over the tropical Indian Ocean derived from Indian Ocean Experiment data. Journal of Geophysical Research, v.104, no.D22, 1999. pp.27,421-27,440

SCHLOSSER, GERHARD (with Chris Kintner and R. Glenn Northcutt). Loss of ectodermal competence for lateral line placode formation in the direct developing frog Eleutherodactylus coqui. Developmental Biology, v.213, 1999. pp.354-369

SCHNEIDER, NIKLAS (with Stephan Venzke, Arthur J. Miller, David W. Pierce, Tim P. Barnett, Clara Deser, and M. Latif). Pacific thermocline bridge revisited. Geophysical Research Letters, v.26, no.9, 1999. pp.1329-1332

SCHNEIDER, NIKLAS (with Arthur J. Miller, Michael A. Alexander, and Clara Deser). Subduction of decadal North Pacific temperature anomalies: Observations and dynamics. Journal of Physical Oceanography, v.29, 1999. pp.1056-1070

SCHUTT, A. (with Erol Basar and Theodore H. Bullock). Power spectra of ongoing activity of the snail brain can discriminate odorants. Comparative Biochemistry and Physiology Part A, v.123, 1999. pp.95-110

SEVERINGHAUS, JEFFREY P. (with Edward J. Brook). Abrupt climate change at the end of the last glacial period inferred from trapped air in polar ice. Science, v.286, 1999. pp.930-934

SHADWICK, R. E. Elasticity in arteries. American Scientist, v.86, 1998. pp.535-541

SHADWICK, R. E. Mechanical design in arteries. Journal of Experimental Biology, v.202, 1999. pp.3305-3313

SHADWICK, R. E. (with Stephen Katz, Keith E. Korsmeyer, Torre Knower, and James W. Covell). Muscle dynamics in skipjack tuna: Timing of red muscle shortening in relation to activation and body curvature during steady swimming. Journal of Experimental Biology, v.202, 1999. pp.2139-2150

SHAW, JOHN H. (with P. M. Shearer). An elusive blind-thrust fault beneath metropolitan Los Angeles. Science, v.283, 1999. pp.1516-1518

SHEARER, P. M. (with Megan P. Flanagan and Michael A. H. Hedlin). Experiments in migration processing of SS precursor data to image upper mantle discontinuity structure. Journal of Geophysical Research, v.104, no.B4, 1999. pp.7229-7242

- SHEARER, P. M. (with Megan P. Flanagan). Seismic velocity and density jumps across the 410- and 660-kilometer discontinuities. Science, v.285, 1999. pp.1545-1548
- SHEREMET, A. (with Robert T. Guza). A weakly dispersive edge wave model. Coastal Engineering, v.38, 1999. pp.47-52
- SINGH, S. C. (with M. C. Sinha, Alistair Harding, G. M. Kent, P. J. Barton, John A. Orcutt, R. S. White, and R. W. Hobbs). Preliminary results are in from mid-ocean ridge three-dimensional seismic reflection survey. Eos, v.80, no.16, 1999. pp.181, 185
- SINGH, S. C. (with J. S. Collier, Alistair Harding, G. M. Kent, and John A. Orcutt). Seismic evidence for a hydrothermal layer above the solid roof of the axial magma chamber at the southern East Pacific Rise. Geology, v.27, no.3, 1999. pp.219-222
- SMITH, H. J. (with Hubertus Fischer, M. Wahlen, D. Mastroianni, and B. Deck). Dual modes of the carbon cycle since the Last Glacial Maximum. Nature, v.400, 1999. pp.248-250
- SMITH, JEROME Doppler sonar observations of Langmuir circulation. In: Air-Sea Exchange: Physics, Chemistry and Dynamics, edited by G. L. Geernaert. Dordrecht, Netherlands, Kluwer Academic Publishers, 1999. pp.539-555
- SMITH, JEROME Observations of wind, waves, and the mixed layer: The scaling of surface motion. In: The Wind-driven Air-sea Interface, edited by M. L. Banner. Sydney, University of New South Wales, 1999. pp.231-238
- SMITH, RAYMOND C. (with David Ainley, Karen Baker, Eugene Domack, Steve Emslie, Bill Fraser, James Kennett, Amy Leventer, Ellen Mosley-Thompson, Sharon Stammerjohn, and M. Vernet). Marine ecosystem sensitivity to climate change. BioScience, v.49, no.5, 1999. pp.393-404
- SOHN, ROBERT A. (with John A. Hildebrand and Spahr Webb). A microearthquake survey of the high-temperature vent fields on the volcanically active East Pacific Rise (9 50'N). Journal of Geophysical Research, v.104, no.B11, 1999. pp.25,367-25,377
- SOMERVILLE, RICHARD C. J. (with Sam Iacobellis). Single-column models, ARM observations, and GCM cloud-radiation schemes. Physics and Chemistry of the Earth (B), v.24, no.6, 1999. pp.733-740
- SON, BYENG WHA (with Paul R. Jensen, Christopher A. Kauffman, and William Fenical). New cytotoxic epidithiodioxopiperazines related to verticillin A from a marine isolate of the fungus Penicillium. Natural Product Letters, v.13, no.3, 1999. pp.213-222
- SONG, H. C. (with W. A. Kuperman, W. S. Hodgkiss, T. Akal, and C. Ferla). Iterative time reversal in the ocean. Journal of the Acoustical Society of America, v.105, no.6, 1999. pp.3176-3184
- SOUTHWARD, A. J. (with William A. Newman). Ectosymbiosis between filamentous sulpher bacteria and a stalked barnacle (Scalpellomorpha, Neolepadinae). from the Lau Back Arc Basin, Tonga. Cahiers de Biologie Marine, v.39, 1998. pp.259-262

SPRINTALL, JANET (with Dean Roemmich). Characterizing the structure of the surface layer in the Pacific Ocean. Journal of Geophysical Research, v.104, no.C10, 1999. pp.23,297-23,311

SPRINTALL, JANET (with Jackson Chong, Fadli Syamsudin, W. M. L. Morawitz, Susan L. Hautala, N. A. Bray, and Susan Wijffels). Dynamics of the South Java Current in the Indo-Australian Basin. Geophysical Research Letters, v.26, no.16, 1999. pp.2493-2496

STAUDIGEL, HUBERT (with Roger A. Chastain, A. A. Yayanos, and William Bourcier). Biologically mediated dissolution of glass. Chemical Geology, v.126, 1995. pp.147-154

STAUDIGEL, HUBERT (with A. A. Yayanos, Roger A. Chastain, G. R. Davies, E. A. Th. Verdurmen, P. Schiffman, R.[sic] Bourcier, and H. De Baar). Biologically mediated dissolution of volcanic glass in seawater. Earth and Planetary Science Letters, v.164, 1998. pp.233-244

STAUDIGEL, HUBERT (with Francis Albarede, Janne Blichert-Toft, John M. Edmond, Bill McDonough, Stein B. Jacobsen, Ralph F. Keeling, Charles H. Langmuir, Roger L. Nielsen, Terry Plank, Roberta Rudnick, Henry F. Shaw, Steve Shirey, Jan Veizer, and William White). Geochemical Earth Reference Model (GERM): Description of the initiative. Chemical Geology, v.145, 1998. pp.153-159

STAUDIGEL, HUBERT (with Terry Plank, William White, and Hans-Ulrich Schmincke). Geochemical fluxes during seafloor alteration of the basaltic upper oceanic crust: DSDP Sites 417 and 418. In: Subduction Top to Bottom. Geophysical Monograph 96, edited by Gray E. Bebout, David W. Scholl, Stephen H. Kirby, and John P. Platt. Washington, D.C., American Geophysical Union, 1996. pp.19-38

STAUDIGEL, HUBERT (with G. R. Davies, Stanley R. Hart, K. M. Marchant, and Brian M. Smith). Large scale isotopic Sr, Nd and O isotopic anatomy of altered oceanic crust: DSDP/ODP sites 417/418. Earth and Planetary Science Letters, v.130, 1995. pp.169-185

STEPHEN, R. A. (with J. A. Collins, K. R. Peal, John A. Hildebrand, John A. Orcutt, Fred N. Spiess, and Frank Vernon). Seafloor seismic stations perform well in study. Eos, v.80, no.49, 1999. pp.592

STOKES, M. DALE (with Grant B. Deane). A new optical instrument for the study of bubbles at high void fractions within breaking waves. IEEE Journal of Oceanic Engineering, v.24, no.3, 1999. pp.300-311

STRAMSKI, DARIUSZ (with Rick A. Reynolds, Mati Kahru, and B. G. Mitchell). Estimation of particulate organic carbon in the ocean from satellite remote sensing. Science, v.285, 1999. pp.239-242

STRAMSKI, DARIUSZ Refractive index of planktonic cells as a measure of cellular carbon and chlorophyll a content. Deep-Sea Research I, v.46, 1999. pp.335-351

SUGIHARA, GEORGE (with Martin Casdagli, Edward Habjan, Dale Hess, Paul A. Dixon, and Greg Holland). Residual delay maps unveil global patterns of atmospheric nonlinearity and produce improved local forecasts. Proceedings of the National Academy of Sciences of the United States of America, v.96, no.25, 1999. pp.14,210-14,215

SZULGIT, GREG K. (with R. E. Shadwick). Novel non-cellular adhesion and tissue grafting in the mutable collagenous tissue of the sea cucumber Parastichopus parvimensis. Journal of Experimental Biology, v.201, 1998. pp.3003-3013

TAKAHASHI, TARO (with Rik H. Wanninkhof, Richard A. Feely, Ray F. Weiss, David W. Chipman, Nicholas Bates, Jon Olafsson, Christopher Sabine, and Stewart C. Sutherland). Net sea-air CO2 flux over the global oceans: An improved estimate based on the sea-air pCO2 difference. In: Proceedings of the 2nd International Symposium CO2 in the Oceans, the 12th Global Environment Tsukuba, 18-22 January 1999, Tsukuba Center of Institutes, edited by Yukihiro Nojiri. Tsukuba Ibaraki, Japan, Center for Global Environmental Research, National Institute for Environmental Studies, 1999. pp.9-15

TAKLE, EUGENE S. (with William J. Gutowski Jr., Raymond W. Arritt, Zaitao Pan, Christopher J. Anderson, Renato Ramos da Silva, Daniel Caya, Shyh-Chin Chen, F. Giorgi, Jens Hesselbjerg Christensen, Song-You Hong, H. Juang, Jack Katzfey, William M. Lapenta, Rene Laprise, Glen E. Liston, Philippe Lopez, John McGregor, Roger A. Pielke Sr., and John Owen Roads). Project to intercompare regional climate simulations (PIRCS): Description and initial results. Journal of Geophysical Research, v.104, no.D16, 1999. pp.19,443-19,461

TALLEY, T. S. (with Lisa A. Levin). Macrofaunal succession and community structure in Salicornia marshes of southern California. Estuarine, Coastal and Shelf Science, v.49, 1999. pp.713-731

TEBO, BRADLEY M. (with L. M. He). Microbially mediated oxidative precipitation reactions. In: Mineral-water Interfacial Reactions: Kinetics and Mechanisms. ACS Symposium Series 715, edited by Donald L. Sparks and Timothy J. Grundl. Washington, D.C., American Chemical Society, 1998. pp.393-414

TEGNER, MIA J. (with Paul K. Dayton). Ecosystem effects of fishing. Trends in Ecology and Evolution, v.14, no.7, 1999. pp.261-262

THISTLE, DAVID (with Lisa A. Levin, Andrew J. Gooday, Olaf Pfannkuche, and P. John D. Lambshead). Physical reworking by near-bottom flow alters the metazoan meiofauna of Fieberling Guyot (northeast Pacific). Deep-Sea Research I, v.46, 1999. pp.2041-2052

THYAGARAJAN, K. S. (with G. Bendak, E. Boer, and V. Ramanathan). A strategy for satellite data archival. Low noise variable-rate vector quantization with application to AVHRR satellite images: A tutorial review. Signal Processing: Image Communication, v.14, 1999. pp.245-267

TRYON, MICHAEL D. (with Kevin M. Brown, Marta E. Torres, Anne M. Trehu, James McManus, and Robert W. Collier). Measurements of transience and downward fluid flow near episodic methane gas vents, Hydrate Ridge, Cascadia. Geology, v.27, no.12, 1999. pp.1075-1078

TSINTIKIDIS, DIMITRIS (with Konstantine P. Georgakakos). Microphysical and large- scale dependencies of temporal rainfall variability over a tropical ocean. Journal of the Atmospheric Sciences, v.56, 1999. pp.724-748

UNPINGCO, JOSE (with W. A. Kuperman, W. S. Hodgkiss, and Robert Hecht-Nielsen). Single sensor source tracking and environmental inversion. Journal of the Acoustical Society of America, v.106, no.3, pt.1, 1999. pp.1316-1329

VALBRACHT, P. J. (with Hubert Staudigel, M. Honda, I. McDougall, and G. R. Davies). Isotopic tracing of volcanic source regions from Hawaii: Decoupling of gaseous from lithophile magma components. Earth and Planetary Science Letters, v. 144, 1996. pp.185-198

VALERO, FRANCISCO P. J. (with Brett C. Bush). Measured and calculated clear-sky solar radiative fluxes during the Subsonic Aircraft Contrail and Cloud Effects Special Study (SUCCESS). Journal of Geophysical Research, v.104, no.D22, 1999. pp.27,387-27,398

VENRICK, ELIZABETH L. Phytoplankton species structure in the central North Pacific, 1973-1996: Variability and persistence. Journal of Plankton Research, v.21, no.6, 1999. pp.1029-1042

VERVOORT, HELENE (with William Fenical and Paul A. Keifer). A cyclized didemnimide alkaloid from the Caribbean ascidian Didemnum conchyliatum. Journal of Natural Products, v.62, no.2, 1999. pp.389-391

WAHLEN, M. Carbon dioxide, carbon monoxide and methane in the atmosphere: Abundance and isotopic composition. In: Stable Isotopes in Ecology and Environmental Science, edited by Kate Lajtha and Robert H. Michener. Oxford, Blackwell Scientific Publications, 1994. pp.93-113

WATSON, KENNETH M. Interaction of capillary waves with longer waves. Part 2. Applications to waves in two surface dimensions and to waves in shallow water. Journal of Fluid Mechanics, v.397, 1999. pp.99-117

WEIGLE, C. (with R. Glenn Northcutt). The chemoarchitecture of the forebrain of lampreys: Evolutionary implications by comparisons with gnathostomes. European Journal of Morphology, v.37, nos.2, 3, 1999. pp.122-125

WHITE, WARREN B. (with Neil J. Cherry). Influence of the Antarctic Circumpolar Wave upon New Zealand temperature and precipitation during autumn-winter. Journal of Climate, v.12, 1999. pp.960-976

WILDER, ROBERT J. (with Mia J. Tegner and Paul K. Dayton). Saving marine biodiversity. Issues in Science and Technology, v.15, no.3, 1999. pp.57-64

WILSON, DEAN (with Monica Puyana, William Fenical, and Joseph R. Pawlik). Chemical defense of the Caribbean reef sponge Axinella corrugata against predatory fishes. Journal of Chemical Ecology, v.25, no.12, 1999. pp.2811-2823

WILSON, DEAN (with William Fenical, Mark E. Hay, Niels Lindquist, and R. C. Bolser). Habenariol, a freshwater feeding deterrent from the aquatic orchid Habenaria repens (Orchidaceae). Phytochemistry, v.50, 1999. pp.1333-1336

WINANT, CLINTON D. (with D. J. Alden, Edward P. Dever, K. A. Edwards, and Myrl C. Hendershott). Near-surface trajectories off central and southern California. Journal of Geophysical Research, v.104, no.C7, 1999. pp.15,713-15,726

WISNER, ROBERT L. Descriptions of two new subfamilies and a new genus of hagfishes (Cyclostomata: Myxinidae). Zoological Studies, v.38, no.3, 1999. pp.307-313

WOLFE, CECILY J. (with Frank Vernon and Abdullah M. S. Al-Amri). Shear-wave splitting across western Saudi Arabia: The pattern of upper mantle anisotropy at a Proterozoic shield. Geophysical Research Letters, v.26, no.6, 1999. pp.779-782

WORCESTER, PETER F. (with B. Cornuelle, Matthew Dzieciuch, Walter H. Munk, Bruce M. Howe, J. A. Mercer, Robert C. Spindel, John A. Colosi, K. Metzger, T. G. Birdsall, and Arthur B. Baggeroer). A test of basin-scale acoustic thermometry using a large-aperture vertical array at 3250-km range in the eastern North Pacific Ocean. Journal of the Acoustical Society of America, v.105, no.6, 1999. pp.3185-3201

XU, HEMING (with Steven M. Day and J.-Bernard H. Minster). Two-dimensional linear and nonlinear wave propagation in a half-space. Bulletin of the Seismological Society of America, v.89, no.4, 1999. pp.903-917

ZHANG, GUANG JUN (with Dance Zurovac-Jevtic and E. Boer). Spatial characteristics of the tropical cloud systems: Comparison between model simulation and satellite observations. Tellus, v.51A, no.5, 1999. pp.922-936

ZHANG, XIN Observations on waveforms of capillary and gravity-capillary waves. European Journal of Mechanics - B/Fluids, v.18, no.3, 1999. pp.373-388 ACKERMAN, A. S. (with O. B. Toon, D. E. Stevens, A. J. Heymsfield, V. Ramanathan, and E. J. Welton). Reduction of tropical cloudiness by soot. Science, v.288, 2000. pp.1042-1047

ALFORD, MATTHEW H. (with Robert Pinkel). Observations of overturning in the thermocline: The context of ocean mixing. Journal of Physical Oceanography, v.30, 2000. pp.805-832

ALFORD, MATTHEW H. (with Robert Pinkel). Patterns of turbulent and double- diffusive phenomena: Observations from a rapid-profiling microconductivity probe. Journal of Physical Oceanography, v.30, 2000. pp.833-854

ANCEL, A. (with L. N. Starke, Paul J. Ponganis, R. P. Van Dam, and Gerald L. Kooyman). Energetics of surface swimming in Brandt's cormorants (Phalacrocorax penicillatus Brandt). Journal of Experimental Biology, v.203, 2000. pp.3727-3731

ANDERSEN, NILS MOLLER (with Lanna Cheng, Jakob Damgaard, Felix A. H. Sperling). Mitochondrial DNA sequence variation and phylogeography of oceanic insects (Hemiptera: Gerridae: Halobates spp.). Marine Biology, v.136, 2000. pp.421-430

ANDERSON, BRUCE, T. (with John Owen Roads, Shyh-Chin Chen, and H. Juang). Regional simulation of the low-level monsoon winds over the Gulf of California and southwestern United States. Journal of Geophysical Research, v.105, no.D14, 2000. pp.17,955-17,969

AROYAN, JAMES L. (with Mark A. McDonald, Spain (sic). Webb, John A. Hildebrand, David Clark, Jeffrey T. Laitman, and Joy S. Reidenberg). Acoustic models of sound production and propagation. In: Hearing by Whales and Dolphins. Springer Handbook of Auditory Research, v.12, edited by W. L. Whitlow Au, Arthur N. Popper and Richard R. Fay. New York, Springer, 2000. pp.409-469

ASTIZ, LUCIANA (with P. M. Shearer). Earthquake locations in the inner Continental Borderland, offshore southern California. Bulletin of the Seismological Society of America, v.90, no.2, 2000. pp.425-449

ASTIZ, LUCIANA (with P. M. Shearer and D. Agnew). Precise relocations and stress change calculations for the Upland earthquake sequence in southern California. Journal of Geophysical Research, v.105, no.B2, 2000. pp.2937-2953

BAINES, PETER G. (with John W. Miles). On topographic coupling of surface and internal tides. Deep-Sea Research I, v.47, 2000. pp.2395-2403

BAKER, KAREN S. (with Barbara J. Benson, Don L. Henshaw, Darrell Blodgett, John H. Porter, and Susan G. Stafford). Evolution of a multisite network information system: The LTER information management paradigm. BioScience, v.50, no.11, 2000. pp.963-978

BARGAR, J. R. (with Bradley M. Tebo and J. E. Villinski). In situ characterization of Mn(II). oxidation by spores of the marine Bacillus sp. strain SG-1. Geochimica et Cosmochimica Acta, v.64, no.16, 2000. pp.2775-2778

BARRON, JOHN A. (with David Bukry and J. L. Bischoff). Holocene paleoceanographic change at DSDP 480, Guaymas Basin, Gulf of California. Eos, supplement, v.81, no.48, 2000. p.F756

BELOFSKY, GILBERT N. (with Montserrat Anguera, Paul R. Jensen, William Fenical, and Matthias Kock). Oxepinamides A - C and fumiquinazolines H - I: Bioactive metabolites from a marine isolate of a fungus of the genus Acremonium. Chemistry; A European Journal, v.6, no.8, 2000. pp.1355-1359

BERGER, WOLFGANG H. On the reconstruction of past levels of atmospheric carbon dioxide. In: Reconstructing Ocean History, A Window into the Future, edited by Fatima Abrantes and Alan C. Mix. New York, Kluwer Academic/Plenum Publishers, 1999. pp.151-162

BERGER, WOLFGANG H. The 100-kyr ice-age cycle: Internal oscillation or inclinational forcing? International Journal of Earth Sciences, v.88, 1999. pp.305-316

BLACKBURN, CHRISTINE L. (with D. John Faulkner). Adociasulfate 10, a new merohexaprenoid sulfate from the sponge Haliclona (aka Adocia). sp. Tetrahedron, v.56, 2000. pp.8429-8432

BLACKMAN, DONNA K. (with Clyde Nishimura and John A. Orcutt). Seismoacoustic recordings of a spreading episode on the Mohns Ridge. Journal of Geophysical Research, v.105, no.B5, 2000. pp.10,961-10,973

BROOK, EDWARD J. (with Susan Harder, Jeffrey P. Severinghaus, Eric J. Steig, and Cara M. Sucher). On the origin and timing of rapid changes in atmospheric methane during the last glacial period. Global Biogeochemical Cycles, v.14, no.2, 2000. pp.559-572

BUCKINGHAM, MICHAEL J. Wave propagation, stress relaxation, and grain-to-grain shearing in saturated, unconsolidated marine sediments. Journal of the Acoustical Society of America, v.108, no.6, 2000. pp.2796-2815

BULLOCK, THEODORE HOLMES How far can spikes and synaptic pathways take us? International Society of Neuroethology Newsletter, 2000. pp. 3-5

BULLOCK, THEODORE HOLMES Revisiting the concept of identifiable neurons. Brain, Behavior and Evolution, v.55, 2000. pp.236-240

BULLOCK, THEODORE HOLMES (with M. C. McClune and J. T. Enright). Rhythms in the human EEG are occasional. In: Proceedings of the 7th Joint Symposium on Neural Computation Proceedings, University of Southern California, University of California, San Diego, California Institute of Technology, University of California, Irvine, University of California, Los Angeles, vol.10. San Diego, CA., Institute for Neural Computation, University of California, San Diego, 2000. pp.18-20

BURTON, R. S. (with Mia J. Tegner). Enhancement of red abalone Haliotis rufescens stocks at San Miguel Island: Reassessing a success story. Marine Ecology Progress Series, v.202, 2000. pp.303-308

BUSH, BRETT C. (with Francisco P. J. Valero, A. Sabrina Simpson, and Lionel Bignone). Characterization of thermal effects in pyranometers: A data correction algorithm for improved measurement of surface insolation. Journal of Atmospheric and Oceanic Technology, v.17, 2000. pp.165-175

CASTILLO, PATERNO R. (with E. Klein, J. Bender, Charles H. Langmuir, Steve Shirey, R. Batiza, and William White). Petrology and Sr, Nd, and Pb isotope geochemistry of mid-ocean ridge basalt glasses from the 11 45 N to 15 00 N segment of the East Pacific Rise. Geochemistry, Geophysics, Geosystems (G3), v.1, 2000. Paper number 1999GC000024. 39p.

CHONG, JACKSON C. (with Janet Sprintall, Susan L. Hautala, W. M. L. Morawitz, N. A. Bray, and W. Pandoe). Shallow throughflow variability in the outflow straits of Indonesia. Geophysical Research Letters, v.27, no.1, 2000. pp.125-128

COLLINS, WILLIAM D. (with Anthony Bucholtz, Piotr J. Flatau, Dan Lubin, Francisco P. J. Valero, C. P. Weaver, and P. Pilewski). Determination of surface heating by convective cloud systems in the central equatorial Pacific from surface and satellite measurements. Journal of Geophysical Research, v.105, no.D11, 2000. pp.14,807-14,821

CONSTABLE, CATHERINE G. (with Catherine L. Johnson and Steven P. Lund). Global geomagnetic field models for the past 3000 years: Transient or permanent flux lobes? Philosophical Transactions of the Royal Society of London A, v.358, 2000. pp.991-1008

CONSTABLE, CATHERINE G. On rates of occurrence of geomagnetic reversals. Physics of the Earth and Planetary Interiors, v.118, 2000. pp.181-193

COURCHAMP, FRANCK (with Michel Langlais and George Sugihara). Rabbits killing birds: Modelling the hyperpredation process. Journal of Animal Ecology v.69, 2000. pp.154-164

CRAIG, HARMON (with B. L. K. Somayajulu and Karl K. Turekian). Paradox lost: Silicon 32 and the global ocean silica cycle. Earth and Planetary Science Letters, v.175, 2000. pp.297-308

CRUTZEN, PAUL J. (with V. Ramanathan). The ascent of atmospheric sciences. Science, v.290, 2000. pp.299-304

CUETO, MERCEDES (with Paul R. Jensen and William Fenical). N-Methylsansalvamide, a cytotoxic cyclic depsipeptide from a marine fungus of the genus Fusarium. Phytochemistry, v.55, 2000. pp.223-226

DAMGAARD, JAKOB (with Nils Moller Andersen, Lanna Cheng, and Felix H. Sperling). Phylogeny of sea skaters, Halobates Eschscholtz (Hemiptera, Gerridae), based on mtDNA sequence and morphology. Zoological Journal of the Linnean Society, v.130, 2000. pp.511-526

DE GROOT-HEDLIN, C. Smooth inversion of induction logs for conductivity models with mud filtrate invasion. Geophysics, v.65, no.5, 2000. pp.1468-1475

DE ROBERTIS, A. (with Jules S. Jaffe and Mark D. Ohman). Size-dependent visual predation risk and the timing of vertical migration in zooplankton. Limnology And Oceanography, v.45, no.8, 2000. pp.1838-1844

DIBACCO, CLAUDIO (with Lisa A. Levin). Development and application of elemental fingerprinting to track the dispersal of marine invertebrate larvae. Limnology and Oceanography, v.45, no.4, 2000. pp.871-880

DIERSSEN, HEIDI M. (with M. Vernet and Raymond C. Smith). Optimizing models for remotely estimating primary production in Antarctic coastal waters. Antarctic Science, v.12, no.1, 2000. pp.20-32

DORMAN, C. E. (with Clinton D. Winant). The structure and variability of the marine atmosphere around the Santa Barbara Channel. Monthly Weather Review, v.128, 2000. pp.261-282

DRUFFEL, E. R. M. (with James E. Bauer). Radiocarbon distributions in Southern Ocean dissolved and particulate organic matter: Geophysical Research Letters, v.27, no.10, 2000. pp.1495-1498

DUVAL, BRIAN (with Kalidas Shetty and William H. Thomas). Phenolic compounds and antioxidant properties in the snow alga Chlamydomonas nivalis after exposure to UV light. Journal of Applied Phycology, v.11, 2000. pp.559-566

EGLINTON, TIMOTHY I. (with Bryan C. Benitez-Nelson, Ann Pearson, Ann P. McNichol, James E. Bauer, and E. R. M. Druffel). Variability in radiocarbon ages of individual organic compounds from marine sediments. Science, v.277, 1997. pp.796-799

FAULKNER, D. JOHN Highlights of marine natural products chemistry (1972-1999). Natural Product Reports, v.17, no.1, 2000. pp.1-6

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.17, no.1, 2000. pp.7-55

FAULKNER, D. JOHN Marine pharmacology. Antonie van Leeuwenhoek, v.77, 2000. pp.135-145

FAULKNER, D. JOHN (with Mary Kay Harper, Margo G. Haygood, Christine E. Solomon, and Eric W. Schmidt). Symbiotic bacteria in sponges: Sources of bioactive substances. In: Drugs from the Sea, edited by N. Fusetani. Basel, Karger, 2000. pp.107-119

FEDDERSEN, FALK (with Robert T. Guza, Steve Elgar, and T. H. C. Herbers). Velocity moments in alongshore bottom stress parameterizations. Journal of Geophysical Research, v.105, no.C4, 2000. pp.8673-8686

FERRARI, RAFFAELE (with Daniel L. Rudnick). Thermohaline variability in the upper ocean. Journal of Geophysical Research, v.105, no.C7, 2000. pp.16,857-16,883

FRANCIS, CHRIS A. (with Anna Ya. Obraztsova and Bradley M. Tebo). Dissimilatory metal reduction by the facultative anaerobe Pantoea agglomerans SP1. Applied and Environmental Microbiology, v.66, no.2, 2000. pp.543-548

GAGEN, M. K. (with L. K. Ayliffe, J. Warren Beck, J. E. Cole, E. R. M. Druffel, R. B. Dunbar, and D. P. Schrag). New views of tropical paleoclimates from corals. Quaternary Science Reviews, v.19, 2000. pp.45-64

GEORGAKAKOS, KONSTANTINE P. Covariance propagation and updating in the context of real-time radar data assimilation by quantitative precipitation forecast models. Journal of Hydrology, v.239, 2000. pp.115-129

GERSHUNOV, ALEXANDER (with Tim P. Barnett, Daniel R. Cayan, Tony Tubbs, and Lisa Goddard). Predicting and downscaling ENSO impacts on intraseasonal precipitation statistics in California: The 1997/98 event. Journal of Hydrometeorology, v.1, 2000. pp.201-210

GERSTOFT, PETER (with Donald F. Gingras, L. Ted Rogers, and W. S. Hodgkiss). Estimation of radio refractivity structure using matched-field array processing. IEEE Transactions on Antennas and Propagation, v.48, no.3, 2000. pp.345-356

GHAN, STEVEN (with David A. Randall, Kuan-Man Xu, Richard Cederwall, Douglas Cripe, James Hack, Sam Iacobellis, Stephen Klein, Steven Krueger, Ulrike Lohmann, John Pedretti, Alan Robock, Leon Rotstayn, Richard C. J. Somerville, Georgiy Stenchikov, Yogesh Sud, Gregory Walker, Shaocheng Xie,

John Yio, and Minghua Zhang). A comparison of single column model simulations of summertime midlatitude continental convection. Journal of Geophysical Research, v.105, no.D2, 2000. pp.2091-2124

GIBSON, CARL H. Turbulent mixing, viscosity, diffusion, and gravity in the formation of cosmological structures: The fluid mechanics of dark matter. Journal of Fluids Engineering, v.122, 2000. pp.830-835

GILLE, SARAH T. (with Mara M. Yale and David T. Sandwell). Global correlation of mesoscale ocean variability with seafloor roughness from satellite altimetry. Geophysical Research Letters, v.27, no.9, 2000. pp.1251-1254

GOERICKE, RALF (with Suzanne L. Strom and Marnie A. Bell). Distribution and sources of cyclic pheophorbides in the marine environment. Limnology and Oceanography, v.45, no.1, 2000. pp.200-211

GOERICKE, RALF (with R. J. Olson and A. Shalapyonok). A novel niche for Prochlorococcus sp. in low-light suboxic environments in the Arabian Sea and the Eastern Tropical North Pacific. Deep-Sea Research I, v.47, 2000. pp.1183-1205

GRAHAM, MICHAEL H. (with B. G. Mitchell). Obtaining absorption spectra from individual macroalgal spores using microphotometry. Hydrobiologia, v.398/399, 1999. pp.231-239

GROSS, LIDWINE (with Sylvie Thiria, Robert Frouin, and B. G. Mitchell). Artificial neural networks for modeling the transfer function between marine reflectance and phytoplankton pigment concentration. Journal of Geophysical Research, v.105, no.C2, 2000. pp.3483-3495

GURROLA, HAROLD (with J.-Bernard Minster). Evidence for local variations in the depth to the 410 km discontinuity beneath Albuquerque, New Mexico. Journal of Geophysical Research, v.105, no.B5, 2000. pp.10,847-10,856

HAMM, D. E. (with R. S. Burton). Population genetics of black abalone, Haliotis cracherodii, along the central California coast. Journal of Experimental Marine Biology and Ecology, v.254, 2000. pp.235-247

HARDT, INGO H. (with Paul R. Jensen and William Fenical). Neomarinone, and new cytotoxic marinone derivatives, produced by a marine filamentous bacterium (actinomycetales). Tetrahedron Letters, v.41, 2000. pp.2073-2076

HASTINGS, PHILIP A. Biogeography of the Tropical Eastern Pacific: Distribution and phylogeny of chaenopsid fishes. Zoological Journal of the Linnean Society, v.128, 2000. pp.319-335

HAYGOOD, MARGO G. (with Scott Allen). Luminous Bacteria. In: Journey to Diverse Microbial Worlds, Adaptation to Exotic Environments. Cellular Origin and Life in Extreme Habitats, vol.2, edited by Joseph Seckbach. Dordrecht, Kluwer Academic, 2000. pp.271-285

HAYGOOD, MARGO G. (with Eric W. Schmidt, Seana K. Davidson, and D. John Faulkner). Microbial symbionts of marine invertebrates: Opportunities for microbial biotechnology. In: Molecular Marine Microbiology. JMMB Symposium Series, vol.1, edited by Douglas H. Bartlett. Wymondham, Norfolk, England, Horizon Scientific, 2000. pp.61-84

HEDLIN, MICHAEL A. H. (with P. M. Shearer). An analysis of large-scale variations in small-scale mantle heterogeneity using global seismographic network recordings of precursors to P K P. Journal of Geophysical Research, v.105, no.B6, 2000. pp.13,655-13,673

HEDLIN, MICHAEL A. H. (with Paul S. Earle and Harold Bolton). Old seismic data yield new insights. Eos, v.81, no.41, 2000. pp.469,472-473

HERGUERA, J. C. Last glacial paleoproductivity patterns in the eastern equatorial Pacific: Benthic foraminifera records. Marine Micropaleontology, v.40, 2000. pp.259-275

HILDEBRAND, MARK (with Katherine Dahlin). Nitrate transporter genes from the diatom Cyclindrotheca fusiformis (Bacillariophyceae): mRNA levels controlled by nitrogen source and by the cell cycle. Journal of Phycology, v.36, 2000. pp. 702-713

HILDEBRAND, MARK Silicic acid transport and its control during cell wall silicification in diatoms. In: Biomineralization, from Biology to Biotechnology and Medical Application, edited by Emund Baeuerlein. Weinheim, Germany, Wiley- VCH, 2000. pp.171-188

HILTON, DAVID R. (M. F. Thirlwall, R. N. Taylor, B. J. Murton, and A. Nichols). Controls on magmatic degassing along the Reykjanes Ridge with implications for the helium paradox. Earth and Planetary Science Letters, v.183, 2000. pp.43-50

HILTON, DAVID R. (with Colin G. Macpherson and T. R. Elliott). Helium isotope ratios in mafic phenocrysts and geothermal fluids from La Palma, the Canary Islands (Spain): Implications for HIMU mantle sources. Geochimica et Cosmochimica Acta, v.64, no.12, 2000. pp.2119-2132

HOFTON, MICHELLE A. (with J. Bryan Blair, J.-Bernard Minster, J. R. Ridgway, N. P. Williams, J. L. Bufton, and D. L. Rabine). An airborne scanning laser altimetry survey of Long Valley, California. International Journal of Remote Sensing, v.21, no.12, 2000. pp.2413-2437

HOFTON, MICHELLE A. (with J.-Bernard Minster and J. Bryan Blair). Decomposition of laser altimeter waveforms. IEEE Transactions on Geoscience and Remote Sensing, v.38, no.4, 2000. pp.1989-1996

HOFTON, MICHELLE A. (with J.-Bernard Minster, J. R. Ridgway, N. P. Williams, J. Bryan Blair, D. L. Rabine, and J. L. Bufton). Using airborne laser altimetry to detect topographic change at Long Valley Caldera, California. In: Remote Sensing of Active Volcanism. Geophysical Monograph 116, edited by Peter J. Mouginis- Mark, Joy A. Crisp, and Jonathan H. Fink. Washington, D.C., American Geophysical Union, 2000. pp.249-264

HUFFORD, GARY L. (with Leonard J. Salinas, James J. Simpson, Elliott G. Barske, and David C. Pieri). Operational implications of airborne volcanic ash. Bulletin of the American Meteorological Society, v.81, no.4, 2000. pp.745-755

- IACOBELLIS, SAM (with Richard C. J. Somerville). Implications of microphysics for cloud-radiation parameterizations: Lessons from TOGA COARE. Journal of the Atmospheric Sciences, v.57, no.2, 2000. pp.161-183
- INDERMUHLE, A. (with Eric Monnin, B. Stauffer, T. F. Stocker, and M. Wahlen). Atmospheric CO2 concentration from 60 to 20 kyr BP from the Taylor Dome ice core, Antarctica. Geophysical Research Letters, v.27, no.5, 2000. pp.735-738
- JIN, ZHONGHAI (with James J. Simpson). Bidirectional anisotropic reflectance of snow and sea ice in AVHRR channel 1 and channel 2 spectral regions-part II: Correction applied to imagery of snow on sea ice. IEEE Transactions on Geoscience and Remote Sensing, v.38, no.2, 2000. pp.999-1015
- JUHL, ANDREW R. (with Vivianna Velazquez and Michael I. Latz). Effect of growth conditions on flow-induced inhibition of population growth of a red-tide dinoflagellate. Limnology and Oceanography, v.45, no.4, 2000. pp.905-915
- JULL, A. J. T. (with D. Lal, Lanny R. McHargue, G. S. Burr, and D. J. Donahue). Cosmogenic and implanted radionuclides studied by selective etching of lunar soils. Nuclear Instruments and Methods in Physics Research B, v.172, 2000. pp.867-872
- JULL, A. J. T. (with D. Lal, G. S. Burr, Philip A. Bland, Alexander W. R. Bevan, and J. Warren Beck). Radiocarbon beyond this world. Radiocarbon, v.42, no.1, 2000. pp. 151-172, pls.3-5
- KAHRU, MATI (with J.-M. Leppanen, O. Rud, and O. P. Savchuk). Cyanobacteria blooms in the Gulf of Finland triggered by saltwater inflow into the Baltic Sea. Marine Ecology Progress Series, v.207, 2000. pp.13-18
- KAHRU, MATI (with B. G. Mitchell). Empirical chlorophyll algorithm and preliminary SeaWiFS validation for the California Current. International Journal of Remote Sensing, v.20, no.17, 1999. pp.3423-3429
- KAHRU, MATI (with B. G. Mitchell). Influence of the 1997-98 El Nino on the surface chlorophyll in the California Current. Geophysical Research Letters, v.27, no.18, 2000. pp.2937- 2940
- KALMIJN, AD. J. Detection and processing of electromagnetic and near-field acoustic signals in elasmobranch fishes. Philosophical Transactions of the Royal Society of London B, v.355, 2000. pp.1135-1141
- KARAMURSEL, SACIT (with Theodore H. Bullock). Human auditory fast and slow omitted stimulus potentials and steady-state responses. International Journal of Neuroscience, v.100, 2000. pp.1-20
- KEMP, ALAN E. S. (with Jennifer Pike, Richard B. Pearce, and C. B. Lange). The "Fall dump" a new perspective on the role of a "shade flora" in the annual cycle of diatom production and export flux. Deep-Sea Research II, v.47, 2000. pp.2129-2154

KENT, G. M. (with S. C. Singh, Alistair J. Harding, M. C. Sinha, John A. Orcutt, P. J. Barton, R. S. White, Sara Bazin, R. W. Hobbs, C. H. Tong, and J. W. Pye). Evidence from three-dimensional seismic reflectivity images for enhanced melt supply beneath mid-ocean-ridge discontinuities. Nature, v.406, 2000. pp.614-618

KNOWLTON, N. Molecular genetic analyses of species boundaries in the sea. Hydrobiologia, v.420, 2000. pp.73-90

KOOYMAN, GERALD L. (with E. C. Hunke, S. F. Ackley, R. P. van Dam, and G. Robertson). Moult of the emperor penguin: Travel, location, and habitat selection. Marine Ecology Progress Series, v.204, 2000. pp.269-277

KORENAGA, J. (with W. S. Holbrook, G. M. Kent, P. B. Kelemen, R. S. Detrick, H.- C. Larsen, J. R. Hopper, and T. Dahl-Jensen). Crustal structure of the southeast Greenland margin from joint refraction and reflection seismic tomography. Journal of Geophysical Research, v.105, no. B9, 2000. pp. 21,591-21,614

KRESGE, NICOLE (with Victor D. Vacquier and C. David Stout). 1.35 and 2.07 A resolution structures of the red abalone sperm lysin monomer and dimer reveal features involved in receptor binding. Acta Crystallographica, D56, 2000. pp.34-41

KUBANEK, JULIA (with D. John Faulkner and Raymond J. Andersen). Geographic variation and tissue distribution of endogenous terpenoids in the Northeastern Pacific Ocean dorid nudibranch Cadlina luteomarginata: Implications for the regulation of de novo biosynthesis. Journal of Chemical Ecology, v.26, no.2, 2000. pp.377-389

KUBANEK, JULIA (with William Fenical, Mark E. Hay, Pam J. Brown, and Niels Lindquist). Two antifeedant lignans from the freshwater macrophyte Saururus cernuus. Phytochemistry, v.54, 2000. pp.281-287

LAL, D. Cosmogenic nuclide production rate systematics in terrestrial materials: Present knowledge, needs and future actions for improvement. Nuclear Instruments and Methods in Physics Research B, v.172, 2000. pp.772-781

LAL, D. Cosmogenic 10Be: A critical view on its widespread dominion in geosciences. Proceedings of the Indian Academy of Sciences (Earth and Planetary Sciences), v.109, no.1, 2000. pp.181-186

LAL, D. (with A. J. T. Jull, G. S. Burr, and D. J. Donahue). On the characteristics of cosmogenic in situ 14C in some GISP2 Holocene and late glacial ice samples. Nuclear Instruments and Methods in Physics Research B, v.172, 2000. pp.623-631

LANE, DANA E. (with Richard C. J. Somerville and Sam Iacobellis). Sensitivity of cloud and radiation parameterizations to changes in vertical resolution. Journal of Climate, v.13, 2000. pp.915-922

LEA, ROBERT N. (with Richard H. Rosenblatt). Observations on fishes associated with the 1997-98 El Nino off California. California Cooperative Oceanic Fisheries Investigations. Reports, v.41, 2000. pp.117-129

LEVIN, LISA A. (with John D. Gage, C. Martin, and Peter A. Lamont). Macrobenthic community structure within and beneath the oxygen minimum zone, NW Arabian Sea. Deep-Sea Research II, v.47, 2000. pp.189-226

LEWIN, RALPH A. Experimental phycology: Some historic diversions and aberrations. Journal of Applied Phycology, v.12, 2000. pp.197-200

LEWIN, RALPH A. (with L. Krienitz, Ralf Goericke, H. Takeda, and D. Hepperle). Picocystis salinarum gen. et sp. nov. (Chlorophyta)-a new picoplanktonic green alga. Phycologia v.39, no.6, 2000. pp.560-565

LEWIN, RALPH A. Seeing the world in a mote of dust. "Dust: A History of the Small and the Invisible," by Joseph A. Amato. (Book Review). Nature, v.403, 2000. p.250

LEWIS, JENNIFER L. (with Steven M. Day, Harold Magistrale, Jennifer Eakins, and Frank Vernon). Regional crustal thickness variations of the Peninsular Ranges, southern California. Geology, v.28, no.4, 2000. pp.303-306

LOISEL, HUBERT (with Dariusz Stramski). Estimation of the inherent optical properties of natural waters from the irradiance attenuation coefficient and reflectance in the presence of Raman scattering. Applied Optics, v.39, no.18, 2000. pp.3001-3011

LONGUET-HIGGINS, MICHAEL S. Theory of water waves derived from a Lagrangian. Part 1. Standing waves. Journal of Fluid Mechanics, v.423, 2000. pp.275-291

LUEKER, TIMOTHY J. (with Andrew G. Dickson and Charles D. Keeling). Ocean pCO2 calculated from dissolved inorganic carbon, alkalinity, and equations for K1 and K2: Validation based on laboratory measurements of CO2 in gas and seawater at equilibrium. Marine Chemistry, v.70, 2000. pp.105-119

LYONS, SUZANNE N. (with David T. Sandwell and Walter H. F. Smith). Three-dimensional estimation of elastic thickness under the Louisville Ridge. Journal of Geophysical Research, v.105, no.B6, 2000. pp.13,239-13,252

MACPHERSON, COLIN G. (with David R. Hilton, David P. Mattey, and John M. Sinton). Evidence for an 18O-depleted mantle plume from contrasting 18O/16O ratios of back-arc lavas from the Manus Basin and Mariana Trough. Earth and Planetary Science Letters, v.176, 2000. pp.171-183

MAIA, LENIZE F. (with Rosangela de A. Epifanio and William Fenical). New cytotoxic sterol glycosides from the octocoral Carijoa (Telesto). riisei. Journal of Natural Products, v.63, no.10, 2000. pp.1427-1430

MAIA, M. (D. Ackermand, G. A. Dehghani, P. Gente, R. Hekinian, D. F. Naar, J. O'Connor, K. Perrot, Jason Phipps-Morgan, G. Ramillien, S. Revillon, A. Sabetian, David T. Sandwell, and P. Stoffers). The Pacific-Antarctic Ridge- foundation hotspot interaction: A case study of a ridge approaching a hotspot. Marine Geology, v.167, 2000. pp.61-84

MANDERNACK, KEVIN W. (with Thom Rahn, Chad Kinney, and M. Wahlen). The biogeochemical controls of the d15N and d18O of N2O produced in landfill cover soils. Journal of Geophysical Research, v.105, no.D14, 2000. pp.17,709-17,720

MARLOW, JEREMY R. (with C. B. Lange, G. Wefer, and Antoni Rosell-Mele). Upwelling intensification as part of the Pliocene-Pleistocene climate transition. Science, v.290, 2000. pp.2288-2291

MARTINEZ, JOSEFINA (with G. P. Zhang, Pamela D. Holt, H.-T. Jung, C. J. Carrano, Margo G. Haygood, and Alison Butler). Self-assembling amphiphilic siderophores from marine bacteria. Science, v.287, 2000. pp.1245-1247

MARTIN-JEZEQUEL, VERONIQUE (with Mark A. Hildebrand and Mark A. Brzezinski). Silicon metabolism in diatoms: Implications for growth. Journal of Phycology, v.36, 2000. pp.821-840

MASTERS, PATRICIA M. (with Douglas L. Inman). Transport and fate of organochlorines discharged to the salt marsh at Upper Newport Bay, California, USA. Environmental Toxicology and Chemistry, v.19, no.8, 2000. pp. 2076-2084

MCCARTHY, MARY CAIT (with Lynne D. Talley and Dean Roemmich). Seasonal to interannual variability from expendable bathythermograph and TOPEX/Poseidon altimeter data in the South Pacific subtropical gyre. Journal of Geophysical Research, v.105, no.C8, 2000. pp.19,535-19,550

MEZA, EUSTORGIO (with Jun Zhang and Richard J. Seymour). Free-wave energy dissipation in experimental breaking waves. Journal of Physical Oceanography, v.30, 2000. pp.2404-2418

MILES, JOHN W. A note on surface-wave scattering by a small plate. Wave Motion, v.32, 2000. pp.153-156

MILLER, ARTHUR J. (with Niklas Schneider). Interdecadal climate regime dynamics in the North Pacific Ocean: Theories, observations and ecosystem impacts. Progress in Oceanography, v.47, 2000. pp.355-379

MILLER, ARTHUR J. (with Emanuele Di Lorenzo, Douglas J. Neilson, B. Cornuelle, and John R. Moisan). Modeling CalCOFI observations during El Nino: Fitting physics and biology. California Cooperative Oceanic Fisheries Investigations. Reports, v.41, 2000. pp.87-97

MIN, DONG-HA (with J. L. Bullister and Ray F. Weiss). Constant ventilation age of thermocline water in the eastern subtropical North Pacific Ocean from chlorofluorocarbon measurements over a 12-year period. Geophysical Research Letters, v.27, no.23, 2000. pp.3909-3912

MITCHELL, B. G. (with Annick Bricaud, Kendall L. Carder, Joan Cleveland, Giovanni Ferrari, Rick Gould, Mati Kahru, Motoaki Kishino, Helmut Maske, Tiffany A. Moisan, Lisa Moore, Norman Nelson, David Phinney, Rick Reynolds, Heidi Sosik, Dariusz Stramski, Stelvio Tassan, Charles Trees, Alan Weidemann, John Wieland, and Anthony Vodacek). Determination of spectral absorption coefficients of particles, dissolved material and phytoplankton for discrete water samples. In: Ocean Optics Protocols for Satellite Ocean Color Sensor Validation, Revision 2. NASA Technical Memorandum-2000-209966, edited

by Giulietta S. Fargion and James L. Mueller. Greenbelt, Maryland, National Aeronautical and Space Administration, Goddard Space Flight Space Center, 2000. pp.125-153

MITCHELL, SCOTT S. (with Denise Rhodes, Frederic D. Bushman, and D. John Faulkner). Cyclodidemniserinol trisulfate, a sulfated serinolipid from the Palauan ascidian Didemnum guttatum that inhibits HIV-1 integrase. Organic Letters, v.2, no.11, 2000. pp.1605-1607

MITCHELL, SCOTT S. (with D. John Faulkner, Kathleen Rubins, and Frederic D. Bushman). Dolastatin 3 and two novel cyclic peptides from a Palauan collection of Lyngbya majuscula. Journal of Natural Products, v.63, no.2, 2000. pp.279-282

MOBERG, P. E. (with R. S. Burton.). Genetic heterogeneity among adult and recruit red sea urchins, Strongylocentrotus franciscanus. Marine Biology, v.136, 2000. pp.773-784

MOISAN, TIFFANY A. (with B. G. Mitchell). Photophysiological acclimation of Phaeocystis antarctica Karsten under light limitation. Limnology and Oceanography, v.44, no.2, 1999. pp.247-258

MOORTGAT, KATHERINE T. (with Theodore Holmes Bullock and Terrence J. Sejnowski). Gap junction effects on precision and frequency of a model pacemaker network. Journal of Neurophysiology, v.83, 2000. pp.984-997

MOORTGAT, KATHERINE T. (with Theodore Holmes Bullock and Terrence J. Sejnowski). Precision of the pacemaker nucleus in a weakly electric fish: Network versus cellular influences. Journal of Neurophysiology, v.83, 2000. pp.971-983

MULLIN, MICHAEL M. (with Erica Goetze, Stace E. Beaulieu, and Jacqueline M. Lasker). Comparisons within and between years resulting in contrasting recruitment of Pacific hake (Merluccius productus) in the California Current System. Canadian Journal of Fisheries and Aquatic Sciences, v.57, 2000. pp.1434-1447

MULLIN, MICHAEL M. Large-celled phytoplankton, the nitricline, and grazing during the California 1997-98 El Nino. California Cooperative Oceanic Fisheries Investigations. Reports, v.41, 2000. pp. 161-166

MUNK, WALTER H. Listening to Ocean Climate. Reimar Lüst Lecture. Hamburg, Max- Planck-Institut fur Meteorologie, 2000. pp.1-22

MUNK, WALTER H. (with Laurence Armi, Kenneth Fischer, and F. Zachariasen). Spirals on the sea. Proceedings of the Royal Society of London A, v.456, 2000. pp.1217-1280

NAKAJIMA, TERUYUKI (with Akiko Higurashi, Kazuma Aoki, Tatsuo Endoh, Hajime Fukushima, Mitsuhiro Toratani, Yasushi Mitomi, B. G. Mitchell, and Robert Frouin). Early phase analysis of OCTS radiance data for aerosol remote sensing. IEEE Transactions on Geoscience and Remote Sensing, v.37, no.3, 1999. pp.1575- 1585

NIGRINI, CATHERINE (with Annika Sanfilippo). Paleogene radiolarians from sites 998, 999, and 1001 in the Caribbean. In: Proceedings of the Ocean Drilling Program, Scientific Results, vol.165, edited by R. M.

Leckie, H. Sigurdsson, G. D. Acton, and G. Draper. College Station, TX, Ocean Drilling Program. 2000. pp.57-81

NORTHCUTT, R. GLENN (with Preston H. Holmes and James S. Albert). Distribution and innervation of lateral line organs in the channel catfish. Journal of Comparative Neurology, v.421, 2000. pp.570-592

NORTHCUTT, R. GLENN (with Linda A. Barlow, Christopher B. Braun, and Kenneth C. Catania). Distribution and innervation of taste buds in the axolotl. Brain, Behavior and Evolution, v.56, 2000. pp.123-145

OGALLO, L. A. (with Simon J. Mason, S. M. King'uyu, S. Nicholson, B. S. Nyenzi, E. Matari, and Gillian M. Mimmack). Indices and indicators of climate extremes in Africa. Journal of the African Meteorological Society, v.4, 1999. pp.17-29

OHTA, KAORU (with Chihiro Sato, Tsukasa Matsuda, Masaru Toriyama, Victor D. Vacquier, William J. Lennarz, and Ken Kitajima). Co-localization of receptor and transducer proteins in the glycosphingolipid-enriched, low density, detergent- insoluble membrane fraction of sea urchin sperm. Glycoconjugate Journal, v.17, 2000. pp.205-214

OLSEN, N. (with R. Holme, G. Hulot, T. Sabaka, T. Neubert, L. Toffner-Clausen, F. Primdahl, J. Jorgensen, J.-M. Leger, D. Barraclough, J. Bloxham, J. Cain, Catherine G. Constable, V. Golovkov, A. Jackson, P. Kotze, B. Langlais, S. Macmillan, M. Mandea, J. Merayo, L. Newitt, M. Purucker, T. Risbo, M. Stampe, A. Thomson, and C. Voorhies). Orsted Initial Field Model. Geophysical Research Letters, v.27, no.22, 2000. pp.3607-3610

ORCUTT, JOHN A. (with C. De Groot-Hedlin, W. S. Hodgkiss, W. A. Kuperman, Walter H. Munk, Frank Vernon, Peter F. Worcester, Eddie Bernard, Robert Dziak, Chris Fox, Ching-Sang Chiu, Curt Collins, J. B. Mercer, Robert Odom, Minkyu Park, Darin Soukup, and Robert C. Spindel). Long-term observations in acoustics? the Ocean Acoustic Observatory Federation. Oceanography, v.13, no.2, 2000. pp.57-63

O'REILLY, JOHN E. (with Stephane Maritorena, David A. Siegel, Margaret C.O'Brien, Dierdre Toole, B. G. Mitchell, Mati Kahru, Francisco P. Chavez, P. Strutton, Glenn F. Cota, Stanford B. Hooker, Charles R. McClain, Kendall L. Carder, Frank Muller-Karger, Larry Harding, Andrea Magnuson, David Phinney, Gerald F. Moore, James Aiken, Kevin R. Arrigo, Ricardo Letelier, and Mary Culver). Ocean color chlorophyll a algorithms for SeaWiFS, OC2, and OC4: Version 4. In: SeaWiFS Postlaunch Technical Report Series, Volume 4, the 1997 Prelaunch Radiometric Calibration of SeaWiFS. NASA Technical Memorandum1999-206892, edited by Stanford B. Hooker, Elaine R. Firestone, B. Carol Johnson, et al. Greenbelt, Maryland, National Aeronautics and Space Administration, Goddard Space Flight Center, 1999. pp.9-23

PANDEY, GANESH R. (with Daniel R. Cayan, Michael D. Dettinger, and Konstantine P. Georgakakos). A hybrid orographic plus statistical model for downscaling daily precipitation in northern California. Journal of Hydrometeorology, v.1, 2000. pp.491-506

PARKER, ROBERT L. Calibration of the pass-through magnetometer? I. Theory. Geophysical Journal International, v.142, 2000. pp.371-383

PENVEN, PIERRICK (with Claude Roy, Alain Colin de Verdiere, and John L. Largier). Simulation of a coastal jet retention process using a barotropic model. Oceanologica Acta, v.23, no.5, 2000. pp.615-634

PIERCE, DAVID W. (with Tim P. Barnett and M. Latif). Connections between the Pacific Ocean Tropics and midlatitudes on decadal timescales. Journal of Climate, v.13, 2000. pp.1173-1194.

PINKEL, ROBERT Internal solitary waves in the warm pool of the western equatorial Pacific. Journal of Physical Oceanography, v.30, 2000. pp.2906-2926

PINKEL, ROBERT (with Walter H. Munk, Peter F. Worcester, B. Cornuelle, Daniel L. Rudnick, Jeffrey T. Sherman, Jean H. Filloux, Brian D. Dushaw, Bruce M. Howe, Thomas B. Sanford, Craig M. Lee, Eric Kunze, Michael C. Gregg, Jack B. Miller, James M. Moum, Douglas R. Caldwell, Murray D. Levine, Timothy Boyd, Gary D. Egbert, Mark A. Merrifield, Douglas S. Luther, Eric Firing, Rusty Brainard, Pierre Flament, and Alan D. Chave). Ocean mixing studied near Hawaiian Ridge. Eos, v.81, no.46, 2000. pp.545, 553

PODGORNY, IGOR A. (with W. C. Conant, V. Ramanathan, and S. K. Satheesh). Aerosol modulation of atmospheric and surface solar heating over the tropical Indian Ocean. Tellus, v.52B, 2000. pp.947-958

PONGANIS, PAUL J. (with Gerald L. Kooyman). Diving physiology of birds: A history of studies on polar species. Comparative Biochemistry and Physiology, Part A, v.126, 2000. pp.143-151

PONGANIS, PAUL J. (with R. P. Van Dam, G. Marshall, Torre Knower, and D. H. Levenson). Sub-ice foraging behavior of emperor penguins. Journal of Experimental Biology, v.203, 2000. pp.3275-3278

PONTE, RUI M. (with D. Stammer). Global and regional axial ocean angular momentum signals and length-of-day variations (1985-1996). Journal of Geophysical Research, v.105, no.C7, 2000. pp.17,161-17,171

POPE, SHELLY K. (with Francisco P. J. Valero). Observations and models of irradiance profiles, column transmittance, and column reflectance during the Atmospheric Radiation Measurements Enhanced Shortwave Experiment. Journal of Geophysical Research, v.105, no.D10, 2000. pp.12,521-12,528

PRASAD, K. S. (with Robert L. Bernstein, Mati Kahru, and B. G. Mitchell). Ocean color algorithms for estimating water clarity (Secchi depth). from SeaWiFS. Journal of Advanced Marine Science and Technology Society, v.4, no.2, 1998. pp.301-306

PRECHTL, JAMES C. (with Theodore Holmes Bullock and David Kleinfeld). Direct evidence for local oscillatory current sources and intracortical phase gradients in turtle visual cortex. Proceedings of the National Academy of Sciences of the United States of America, v.97, no.2, 2000. pp.877-882

PRINN, RAY G. (with Ray F. Weiss, P. J. Fraser, P. G. Simmonds, D. M. Cunnold, F. N. Alyea, S. O'Doherty, P. K. Salameh, B. R. Miller, J. Huang, R. H. J. Wang, D. E. Hartley, C. Harth, L. P. Steele, G. Sturrock, P. M. Midgley, and A. McCulloch). A history of chemically and radiatively important gases in air

deduced from ALE/GAGE/AGAGE. Journal of Geophysical Research, v.105, no.D14, 2000. pp.17,751-17,792

QURESHI, ASFIA (with Patrick L. Colin and D. John Faulkner). Microsclerodermins F-I, antitumor and antifungal cyclic peptides from the lithistid sponge Microscleroderma sp. Tetrahedron, v.56, 2000. pp.3679-3685

QURESHI, ASFIA (with D. John Faulkner). 7 a-Hydroxytheonellasterol, a cytotoxic 4-methylene sterol from the Philippines sponge Theonella swinhoei. Journal of Natural Products, v.63, no.6, 2000. pp.841-842

RAHN, THOM (with M. Wahlen). A reassessment of the global isotopic budget of atmospheric nitrous oxide. Global Biogeochemical Cycles, v.14, no.2, 2000. pp.537-543

RAJEEV, K. (with V. Ramanathan and Jens Meywerk). Regional aerosol distribution and its long-range transport over the Indian Ocean. Journal of Geophysical Research, v.105, no.D2, 2000. pp.2029-2043

RAWSON, PAUL D. (with Daniel A. Brazeau and R. S. Burton). Isolation and characterization of cytochrome c from the marine copepod Tigriopus californicus. Gene, v.248, 2000. pp.15-22

REINER, ANTON (with R. Glenn Northcutt). Succinic dehydrogenase histochemistry reveals the location of the putative primary visual and auditory areas within the dorsal ventricular ridge of Sphenodon punctatus. Brain, Behavior and Evolution. v.55, 2000. pp.26-36

RENNER, MATTHEW K. (with Paul R. Jensen and William Fenical). Mangicols: Structures and biosynthesis of a new class of sesterterpene polyols from a marine fungus of the genus Fusarium. Journal of Organic Chemistry, v.65, 2000. pp.4843-4852

RHEW, ROBERT C. (with B. R. Miller and Ray F. Weiss). Natural methyl bromide and methyl chloride emissions from coastal salt marshes. Nature, v.403, 2000. pp.292-295

RICHARDS-DINGER, K. B. (with P. M. Shearer). Earthquake locations in southern California obtained using source-specific station terms. Journal of Geophysical Research, v.105, no.B5, 2000. pp.10,939-10,960

ROADS, JOHN OWEN (with Alan Betts). NCEP-NCAR and ECMWF reanalysis surface water and energy budgets for the Mississippi River basin. Journal of Hydrometeorology, v.1, 2000. pp.88-94

ROADS, JOHN OWEN The Second International Regional Spectral Model Workshop. Bulletin of the American Meteorological Society, v.81, no.12, 2000. pp.2979- 2981

ROCA, REMY (with V. Ramanathan). Scale dependence of monsoonal convective systems over the Indian Ocean. Journal of Climate, v.13, 2000. pp.1286-1298

ROSS, ROBIN M. (with Langdon B. Quetin, Karen S. Baker, M. Vernet, and Raymond C. Smith). Growth limitation in young Euphausia superba under field conditions. Limnology and Oceanography, v.45, no.1, 2000. pp.31-43

SANDWELL, DAVID T. (with Lydie Sichoix, D. Agnew, Yehuda Bock, and J.-Bernard Minster). Near real-time radar interferometry of the Mw 7.1 Hector Mine Earthquake. Geophysical Research Letters, v.27, no.19, 2000. pp.3101-3104

SATHEESH, S. K. (with V. Ramanathan). Large differences in tropical aerosol forcing at the top of the atmosphere and Earth's surface. Nature, v.405, 2000. pp.60-63

SCHLOSSER, GERHARD (with R. Glenn Northcutt). Development of neurogenic placodes in Xenopus laevis. Journal of Comparative Neurology, v.418, 2000. pp.121-146

SCHMIDT, ERIC W. (with Anna Ya. Obraztsova, Seana K. Davidson, D. John Faulkner, and Margo G. Haygood). Identification of the antifungal peptide-containing symbiont of the marine sponge Theonella swinhoei as a novel d-proteobacterium, "Candidatus Entotheonella palauensis". Marine Biology, v.136, 2000. pp.969-977

SCHUTT, ATSUKO (with Theodore Holmes Bullock and Erol Basar). Odor input generates ~ 1.5 Hz and ~ 3 Hz spectral peaks in the Helix pedal ganglion. Brain Research, v.879, 2000. pp.73-87

SEGUNDO, J. P. (with George Sugihara, Paul A. Dixon, M. Stiber, and Louis-Felix F. Bersier). The spike trains of inhibited pacemaker neurons seen through the magnifying glass of nonlinear analyses. Neuroscience, v.87, n.4, 1998. pp.741-766

SEYMOUR, Richard J. Directional spreading effects on the maximum crest elevation of deep water waves. In: Proceedings of the ETCE/OMAE 2000 Joint Conference, Energy for the New Millennium, Presented at the ETCE/OMAE 2000 Joint Conference, Energy for the New Millennium, February 14-17, 2000, New Orleans, Louisiana, Volume 2A. New York, American Society of Mechanical Engineers, 2000. pp.855-859

SHANKS, A. L. (with John L. Largier, Laura Brink, John Brubaker, and Rian Hooff). Demonstration of the onshore transport of larval invertebrates by the shoreward movement of an upwelling front. Limnology and Oceanography, v.45, no.1, 2000. pp.230-236

SHEARER, P. M. Upper mantle seismic discontinuities. In: Earth's Deep Interior, Mineral Physics and Tomography from the Atomic to the Global Scale. Geophysical Monograph 117, edited by Shun-ichiro Karato, et. al. Washington, D.C., American Geophysical Union, 2000. pp.115-131

SHEEHAN, A. F. (with P. M. Shearer, Hersh J. Gilbert, and Kenneth G. Dueker). Seismic migration processing of P-SV converted phases for mantle discontinuity structure beneath the Snake River Plain, western United States. Journal of Geophysical Research, v.105, B8, 2000. pp.19,055-19,065

SHUKOLYUKOV, A. (with G. W. Lugmair). On the 53Mn heterogeneity in the early solar system. Space Science Reviews, v.92, 2000. pp.225-236

SIMPSON, JAMES J. (with Zhonghai Jin and James R. Stitt). Cloud shadow detection under arbitrary viewing and illumination conditions. IEEE Transactions on Geoscience and Remote Sensing, v.38, no.2, 2000. pp.972-976

SIMPSON, JAMES J. (with Gary Hufford, David C. Pieri, and Jared Berg). Failures in detecting volcanic ash from a satellite-based technique. Remote Sensing of Environment, v.72, 2000. pp.191-217

SIMPSON, JAMES J. (with Timothy J. McIntire, Zhonghai Jin, and James R. Stitt). Improved cloud top height retrieval under arbitrary viewing and illumination conditions using AVHRR data. Remote Sensing of Environment, v.72, 2000. pp.95- 110

SIMPSON, JAMES J. (with Timothy J. McIntire and M. Sienko). An improved hybrid clustering algorithm for natural scenes. IEEE Transactions on Geoscience and Remote Sensing, v.38, no.2, 2000. pp.1016-1032

SOHN, ROBERT A. (with Frank Vernon, John A. Hildebrand, and Spahr Webb). Field measurements of sonic boom penetration into the ocean. Journal of the Acoustical Society of America, v.107. no.6, 2000. pp.3073-3083

SONG, HEE CHUN (with Philippe Roux and W. A. Kuperman). Focal translation by frequency shift in free space. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, v.47, no.3, 2000. pp.687-695

SPRINTALL, JANET (with Arnold L. Gordon, Ragu Murtugudde, and R. Dwi Susanto). A semiannual Indian Ocean forced Kelvin wave observed in the Indonesian seas in May 1997. Journal of Geophysical Research, v.105, no.C7, 2000. pp.17,217- 17,230

STRAMSKA, MALGORZATA (with Dariusz Stramski, B. G. Mitchell, and Curtis D. Mobley). Estimation of the absorption and backscattering coefficients from in- water radiometric measurements. Limnology and Oceanography, v.45, no.3, 2000. pp.628-641

SUH, YOUNG-SANG (with S. D. Hahn, Y. Q. Kang, and B. G. Mitchell). Study of a recurring anticyclonic eddy off the northeast Korean coast using satellite ocean color and sea surface temperature imagery. Journal of Advanced Marine Science and Technology Society, v.4, no.2, 1998. pp.275-280

TAYLOR, STEVEN W. (with A. Grey Craig, Wolfgang H. Fischer, Minkyu Park, and Robert I. Lehrer). Styelin D, an extensively modified antimicrobial peptide from ascidian hemocytes. Journal of Biological Chemistry, v.275, no.49, 2000. pp.38,417-38,426

TERRILL, ERIC. J. (with W. K. Melville). A broadband acoustic technique for measuring bubble size distributions: Laboratory and shallow water measurements. Journal of Atmospheric and Oceanic Technology, v.17, 2000. pp.220-239

THODE, AARON M. (with W. A. Kuperman, Gerald L. D'Spain, and W. S. Hodgkiss). Localization using Bartlett matched-field processor sidelobes. Journal of the Acoustical Society of America, v.107, no.1, 2000. pp.278-286

THODE, AARON M. (with Gerald L. D'Spain and W. A. Kuperman). Match-field processing, geoacoustic inversion, and source signature recovery of blue whale vocalizations. Journal of the Acoustical Society of America, v.107, no.3, 2000. pp.1286-1300

TINCU, J. ANDY (with A. Grey Craig and Steven W. Taylor). Plicatamide: A lead to the biosynthetic origins of the tunichromes. Biochemical and Biophysical Research Communications, v.270, no.2, 2000. pp.421-424

VALERO, FRANCISCO P. J. (with Patrick Minnis, Shelly K. Pope, Anthony Bucholtz, Brett C. Bush, David R. Doelling, William L. Smith Jr. and Xiquan Dong). Absorption of solar radiation by the atmosphere as determined using satellite, aircraft, and surface data during the Atmospheric Radiation Measurement Enhanced Shortwave Experiment (ARESE). Journal of Geophysical Research, v.105, no.D4, 2000. pp.4743-4758

VAN DORN, W. G. Thermodynamic model for cold water survival. Journal of Biomechanical Engineering, v.122, 2000. pp.541-547

VENRICK, ELIZABETH L. Summer in the Ensenada Front: The distribution of phytoplankton species, July 1985 and September 1988. Journal of Plankton Research, v.22, no.5, 2000. pp.813-841

VERRAES, TANGUY (with Francoise Lepoint-Mullie, Thierry Lepoint, and Michael S. Longuet-Higgins). Experimental study of the liquid flow near a single sonoluminescent bubble. Journal of the Acoustical Society of America, v.108, no.1, 2000. pp.117-125

VERVOORT, HELENE (with William Fenical and Rosangela de A. Epifanio). Tamandarins A and B: New cytotoxic depsipeptides from a Brazilian ascidian of the family Didemnidae. Journal of Organic Chemistry, v.65, no.3, 2000. pp.782-792

WALKER, S. J. (with Ray F. Weiss and P. K. Salameh). Reconstructed histories of the annual mean atmospheric mole fractions for the halocarbons CFC-11, CFC-12, CFC-113, and carbon tetrachloride. Journal of Geophysical Research, v.105, no.C6, 2000. pp.14,285-14,296

WALKER JR., H. J. (with F. J. Neira, A. G. Miskiewicz, and B. M. Carson-Ewart). Kyphosidae (Rudderfishes, Sea Chubs). In: The Larvae of Indo-Pacific Coastal Fishes, An Identification Guide to Marine Fish Larvae. Fauna Malesiana Handbook 2, edited by Jeffrey M. Leis and Brooke M. Carson-Ewart. Leiden, The Netherlands, Brill, 2000. pp.466-469

WALKER JR., H. J. (with A. G. Miskiewicz and F. J. Neira). Microcanthidae (Stripey). In: The Larvae of Indo-Pacific Coastal Fishes, An Identification Guide to Marine fish larvae. Fauna Malesiana Handbook 2, edited by Jeffrey M. Leis and Brooke M. Carson-Ewart. Leiden, The Netherlands, Brill, 2000. pp.470-473

WARE, RANDOLPH H. (with David W. Fulker, Seth A. Stein, David N. Anderson, Susan K. Avery, Richard D. Clark, Kelvin K. Droegemeier, J. P. Kuettner, J.-Bernard Minster, and Soroosh Sorooshian). SuomiNet: A real-time national GPS network for atmospheric research and education. Bulletin of the American Meteorological Society, v.81, no.4, 2000. pp.677-694

WARREN, LINDA M. (with P. M. Shearer). Investigating the frequency dependence of mantle Q by stacking P and PP spectra. Journal of Geophysical Research, v.105, no.B11, 2000. pp.25,391-25,402

WHITE, WARREN B. Coupled Rossby waves in the Indian Ocean on interannual timescales. Journal of Physical Oceanography, v.30, 2000. pp.2972-2988

WHITE, WARREN B. (with Daniel R. Cayan). A global El Nino-Southern Oscillation wave in surface temperature and pressure and its interdecadal modulation from 1900 to 1997. Journal of Geophysical Research, v.105, no.C5, 2000. pp.11,223-11,242

WINTERER, E. L. Scientific Ocean Drilling, from AMSOC to COMPOST. In: 50 Years of Ocean Discovery, National Science Foundation 1950-2000, Ocean Studies Board, National Research Council. Washington D.C., National Academy Press, 2000. pp.117- 127

WORCESTER, PETER F. (with Brian D. Dushaw and ATOC Group). A comparison of acoustic thermometry, satellite altimetry, and other observations of ocean temperature in the North Pacific Ocean. In: The Fifth Pacific Ocean Remote Sensing Conference (PORSEC), 5-8 December 2000, Proceedings of PORSEC 2000. Vol.1, Interdisciplinary Multisensor Studies of the Oceans. Goa India, National Institute of Oceanography, 2000. pp.1-4

WORCESTER, PETER F. (with Bruce M. Howe, J. A. Mercer, Matthew Dzieciuch, and AST Group). A comparison of long-range acoustic propagation at ultra-low (28 Hz). and very-low (84 Hz). frequencies. In: Proceedings of the U. S.- Russia Workshop on Experimental Underwater Acoustics, held in Nizhny Novgorod on 18 and 19 November 1999, edited by V. I. Talanov. Nihzny Novgorod, Institute of Applied Physics, Russian Academy of Sciences, 2000. pp.93-104

XU, HEMING (with Steven M. Day and J.-Bernard Minster). Hysteresis and two-dimensional nonlinear wave propagation in Berea Sandstone. Journal of Geophysical Research, v.105, no.B3, 2000. pp.6163-6175

YALE, MARA M. (with David T. Sandwell). Stacked global satellite gravity profiles. Geophysics, v.64, no.6, 1999. pp.1748-1755

YANG, ZIHENG (with Willie J. Swanson, and Victor D. Vacquier). Maximum-likelihood analysis of molecular adaptation in abalone sperm lysin reveals variable selective pressures among lineages and sites. Molecular Biology and Evolution, v.17, no.10, 2000. pp.1446-1455

YI, DONGHUI (with J.-Bernard Minster and Charles R. Bentley). The effect of ocean tidal loading on satellite altimetry over Antarctica. Antarctic Science, v.12, no.1, 2000. pp.119-124

YOKLAVICH, MARY M. (with H. Gary Greene, Gregor M. Cailliet, Deidre E. Sullivan, Robert N. Lea, and Milton S. Love). Habitat associations of deep-water rockfishes in a submarine canyon: An example of a natural refuge. Fishery Bulletin, v.98, no.3, 2000. pp.625-641

ZIRBEL, MARNIE J. (with Fabrice Veron and Michael I. Latz). The reversible effect of flow on the morphology of Ceratocorys horrida (Peridiniales, Dinophyta). Journal of Phycology, v.36, 2000. pp.46-58

AGNEW, D. Map projections to represent possible effects of surface loading. Journal of the Geodetic Society of Japan, v.47, no.1, 2001. pp.255-260

ALLEN, ERIC E. (with Douglas Bartlett). FabF is required for piezoregulation of cis-vaccenic acid levels and piezophilic growth of the deep-sea bacterium Photobacterium profundum strain SS9. Journal of Bacteriology, v.182, no.5, 2000. pp.1264-1271

ALLEN, ERIC E. (with Daniel Facciotti and Douglas Bartlett). Monounsaturated but not polyunsaturated fatty acids are required for growth of the deep-sea bacterium Photobacterium profundum SS9 at high pressure and low temperature. Applied and Environmental Microbiology, v.65, no.4, 1999. pp.1710-1720

AUAD, GUILLERMO (with Arthur J. Miller, John Owen Roads, and Daniel R. Cayan). Pacific Ocean wind stress and surface heat flux anomalies from NCEP reanalysis and observations: Cross-statistics and ocean model responses. Journal of Geophysical Research, v.106, no.C10, 2001. pp.22,249-22,265

BAER, GIDON (with Gadi Shamir, David T. Sandwell, and Yehuda Bock). Crustal deformation during 6 years spanning the Mw = 7.2 1995 Nuweiba earthquake, analyzed by Interferometric Synthetic Aperture Radar. Israel Journal of Earth Sciences, v.50, 2001. pp.9-22

BARBEAU, K. (with E. L. Rue, K. W. Bruland, and Alison Butler). Photochemical cycling of iron in the surface ocean mediated by microbial iron(III)-binding ligands. Nature, v.413, 2001. pp.409-413

BARNETT, TIM P. (with David W. Pierce and Reiner Schnur). Detection of anthropogenic climate change in the world's oceans. Science, v.292, 2001. pp.270-274

BARTLETT, DOUGLAS Microbial adaptations to the psychrosphere/piezosphere. Journal of Molecular Microbiology and Biotechnology, v.1, no.1, 1999. pp.93-100

BAZIN, SARA (with Alistair Harding, G. M. Kent, John A. Orcutt, C. H. Tong, J. W. Pye, S. C. Singh, P. J. Barton, M. C. Sinha, R. S. White, R. W. Hobbs, and Harm J. A. Van Avendonk). Three-dimensional shallow crustal emplacement at the 9°03'N overlapping spreading center on the East Pacific Rise: Correlations between magnetization and tomographic images. Journal of Geophysical Research, v.106, no.B8, 2001. pp.16,101-16,117

BERTEAUX, SUSAN S. (with Peter Brueggeman). Electronic journal timeliness: Comparison with print. The Serials Librarian, v.41, no.2, 2001. pp.101-118

BIDLE, KELLY A. (with Douglas Bartlett). RecD function is required for high- pressure growth of a deep-sea bacterium. Journal of Bacteriology, v.181, no.8, 1999. pp.2330-2337

BIDLE, KELLY A. (with Douglas Bartlett). RNA arbitrarily primed PCR survey of genes regulated by ToxR in the deep-sea bacterium Photobacterium profundum strain SS9. Journal of Bacteriology, v.183, no.5, 2001. pp.1688-1693

BOCK, YEHUDA (with Rosanne M. Nikolaidis, Paul J. de Jonge, and Michael Bevis). Instantaneous geodetic positioning at medium distances with the Global Positioning System. Journal of Geophysical Research, v.105, no.B12, 2000. 28,223-28,253

BOLTON, HAROLD (with Guy Masters). Travel times of P and S from the global digital seismic networks: Implications for the relative variation of P and S velocity in the mantle. Journal of Geophysical Research, v.106, no.B7, 2001. pp.13,527-13,540

BOOIJ, ERNST (with Lori Bettison-Varga, Dori Farthing, and Hubert Staudigel). Pb- isotope systematics of a fossil hydrothermal system from the Troodos ophiolite, Cyprus: Evidence for a polyphased alteration history. Geochimica et Cosmochimica Acta, v.64, no.20, 2000. pp.3559-3569

BOWERS, NANCY E. (with Steve Cande, Jeffrey S. Gee, John A. Hildebrand, and Robert L. Parker). Fluctuations of the paleomagnetic field during chron C5 as recorded in near-bottom marine magnetic anomaly data. Journal of Geophysical Research, v.106, no.B11, 2001. pp.26,379-26,396

BROMIRSKI, PETER D. Vibrations from the "Perfect Storm." Geochemistry, Geophysics, Geosystems (G3), v.2, 2001. Paper number 2000GC000119. 13p.

BUCKINGHAM, MICHAEL J. (with Milton A. Garces). Airborne acoustics of explosive volcanic eruptions. Journal of Computational Acoustics, v.9, no.3, 2001. pp.1215-1225

BUCKINGHAM, MICHAEL J. Precision correlations between the geoacoustic parameters of an unconsolidated sandy marine sediment. Journal of Computational Acoustics, v.9, no.1, 200l. pp.101-123

BUFFINGTON, EDWIN C. (with Joseph R. Curray and David G. Moore). Memorial to Edwin Lee Hamilton 1914-1998. Geological Society of America Memorials, v.30, 1999. pp.83-87

CAILLON, N. (with Jeffrey P. Severinghaus, J.-M. Barnola, J. Chappellaz, J. Jouzel, and F. Parrenin). Estimation of temperature change and of gas age - ice age difference, 108 kyr B.P., at Vostok, Antarctica. Journal of Geophysical Research, v.106, no.D23, 2001. pp.31,893-31,901

CARNEVALE, G. F. (with Marco Briscolini and P. Orlandi). Buoyancy- to inertial- range transition in forced stratified turbulence. Journal of Fluid Mechanics, v.427, 2001. pp.205-239

CARNEVALE, G. F. (with Fabio Cavallini and Fulvio Crisciani). Dynamic boundary conditions revisited. Journal of Physical Oceanography, v.31, 2001. pp.2489- 2497

CHADWELL, C. DAVID (with Yehuda Bock). Direct estimation of absolute precipitable water in oceanic regions by GPS tracking of a coastal buoy. Geophysical Research Letters, v.28, no.19, 2001. pp.3701-3704

CHEN, CHANGSHENG (with Robert C. Beardsley and Peter J. S. Franks). A 3-D prognostic numerical model study of the Georges Bank ecosystem. Part I: Physical model. Deep-Sea Research II, v.48, 2001. pp.419-456

CHEN, SHYH-CHIN (with Ming-Chin Wu and John Owen Roads). Seasonal forecasts for Asia: Global model experiments. TAO: Terrestrial, Atmospheric and Oceanic Sciences, v.12, no.2, 2001. pp.377-400

CHENG, LANNA (with Chang Man Yang and John T. Polhemus). Guide to aquatic heteroptera of Singapore and Peninsular Malaysia. Introduction and key to families. Raffles Bulletin of Zoology, v.49, no.1, 2001. pp.121-127

CHENG, LANNA (with Chang Man Yang and Nils Møller Andersen). Guide to the aquatic heteroptera of Singapore and Peninsular Malaysia. I. Gerridae and Hermatobatidae. Raffles Bulletin of Zoology, v.49, no.1, 2001. pp.129-148

COLLINS, J. A. (with Frank Vernon, John A. Orcutt, R. A. Stephen, K. R. Peal, F. B. Wooding, Fred N. Spiess, and John A. Hildebrand). Broadband seismology in the oceans: Lessons from the Ocean Seismic Network Pilot Experiment. Geophysical Research Letters, v.28, no.1, 2001. pp.49-52

COLOSI, JOHN A. (with Fred Tappert and Matthew Dzieciuch). Further analysis of intensity fluctuations from a 3252-km acoustic propagation experiment in the eastern North Pacific Ocean. Journal of the Acoustical Society of America, v.110, no.1, 2001. pp.163-169

CRAIG, A. GREY (with Steven W. Taylor). Fragmentation of a novel marine peptide, plicatamide, involves an unusual gas-phase intramolecular rearrangement. Journal of the American Society for Mass Spectrometry, v.12, 2001. pp.470-474

CRONIN, M. (with Lisa Tauxe, Catherine G. Constable, P. Selkin, and Thomas Pick). Noise in the quiet zone. Earth and Planetary Science Letters, v.190, 2001. pp.13-30

CUETO, MERCEDES (with Paul R. Jensen, Christopher A. Kauffman, William Fenical, Emil Lobkovsky, and Jon Clardy). Pestalone, a new antibiotic produced by a marine fungus in response to bacterial challenge. Journal of Natural Products, v.64, no.11, 2001. pp.1444-1446

CURRAY, JOSEPH R. (with N. P. Wijayananda). Conversion of seismic reflection travel times to depth, Bay of Bengal. Journal of the Geological Society of Sri Lanka, v.9, 2000. pp.63-65

CURRAY, JOSEPH R. Rock stars: Francis Parker Shepard, 1897-1985. GSA Today, v.11, no.12, 2001. pp.20-213

DAVIDSON, SEANA K. (with S. W. Allen, G. E. Lim, C. M. Anderson, and Margo G. Haygood). Evidence for the biosynthesis of bryostatins by the bacterial symbiont "Candidatus Endobugula sertula" of the bryozoan Bugula neritina. Applied and Environmental Microbiology, v.67, no.10, 2001. pp.4531-4537

DE GROOT-HEDLIN, C. (with John A. Orcutt). Excitation of T-phases by seafloor scattering. Journal of the Acoustical Society of America, v.109, no.5, pt.1, 2001. pp.1944-1954

DE GROOT-HEDLIN, C. (with John A. Orcutt). T-phase observations in northern California: Acoustic to seismic coupling at a weakly elastic boundary. Pure and Applied Geophysics, v.158, 2001. pp.513-530

DE ROBERTIS, A. (with Ketil Eiane and Gregory H. Rau). Eat and run: Anoxic feeding and subsequent aerobic recovery by Orchomene obtusus in Saanich Inlet, British Columbia, Canada. Marine Ecology Progress Series, v.219, 2001. pp.221-227

DE ROBERTIS, A. Validation of acoustic echo counting for studies of zooplankton behavior. ICES Journal of Marine Science, v.58, 2001. pp.543-561

DIXON, PAUL A. (with Maria J. Milicich and George Sugihara). Noise and nonlinearity in an ecological system. In: Nonlinear Dynamics and Statistics, edited by Alistair I. Mees. Boston, Birkhäuser, 2001. pp.339-364

DOELLING, DAVID R. (with P. Minnis, Douglas A. Spangenberg, Venkatesan Chakrapani, Ashwin Mahesh, Shelly K. Pope, and Francisco P. J. Valero). Cloud radiative forcing at the top of the atmosphere during FIRE ACE derived from AVHRR data. Journal of Geophysical Research, v.106, no.D14, 2000. pp.15,279- 15,296

DONG, WEIQUAN (with D. Lal, Barbara Ransom, Wolfgang H. Berger, and M. Caffee). Marine biogeochemistries of Be and Al: A study based on cosmogenic 10 Be, Be and Al in marine calcite, aragonite, and opal. Indian Academy Proceedings in Earth and Planetary Sciences, v.110, no.2, 2001. pp.95-102

DORMAN, L. M. Seismology sensors. In: Encyclopedia of Ocean Sciences, Volume 5, edited by John H. Steele, Steve A. Thorpe, and Karl K. Turekian. San Diego, California, Academic Press, 2001. pp.2737-2744

DZIECIUCH, MATTHEW (with Peter F. Worcester and Walter H. Munk). Turning point filters: Analysis of sound propagation on a gyre-scale. Journal of the Acoustical Society of America, v.110, no.1, 2001. pp.135-149

EARLE, PAUL S. (with P. M. Shearer). Distribution of fine-scale mantle heterogeneity from observations of Pdiff coda. Bulletin of the Seismological Society of America, v.91, no.6, 2001. pp.1875-1881

EDWARDS, KATHLEEN A. (with Audrey M. Rogerson, Clinton D. Winant, and David P. Rogers). Adjustment of the marine atmospheric boundary layer to a coastal cape. Journal of the Atmospheric Sciences, v.58, 2001. pp.1511-1528

ELGAR, STEVE (with B. Raubenheimer and Robert T. Guza). Current meter performance in the surf zone. Journal of Atmospheric and Oceanic Technology, v.18, 2001. pp.1735-1746

ELGAR, STEVE (with Edith L. Gallagher and Robert T. Guza). Nearshore sandbar migration. Journal of Geophysical Research, v.106, no.C6, 2001. pp.11,623-11,627

ELGAR, STEVE (with Robert T. Guza, W. C. O'Reilly, B. Raubenheimer, and T. H. C. Herbers). Wave energy and direction observed near a pier. Journal of Waterway, Port, Coastal, and Ocean Engineering, v.127, no.1, 2001. pp.2-6

FAULKNER, D. JOHN Marine natural products. Natural Product Reports, v.18, 2001. pp.1-49

FIALKO, YURI (with Mark Simons and D. Agnew). The complete (3-D). surface displacement field in the epicentral area of the 1999 Mw 7.1 Hector Mine earthquake, California, from space geodetic observations. Geophysical Research Letters, v.28, no.16, 2001. pp.3063-3066

FIALKO, YURI (with Yakov Khazan and Mark Simons). Deformation due to a pressurized horizontal circular crack in an elastic half-space, with applications to volcano geodesy. Geophysical Journal International, v.146, 2001. pp.181-190

FIALKO, YURI (with Mark Simons). Evidence for on-going inflation of the Socorro magma body, New Mexico, from interferometric synthetic aperture radar imaging. Geophysical Research Letters, v.28, no.18, 2001. pp.3549-3552

FIALKO, YURI (with Mark Simons and Yakov Khazan). Finite source modelling of magmatic unrest in Socorro, New Mexico and Long Valley, California. Geophysical Journal International, v.146, 2001. pp.191-200

FIALKO, YURI On origin of near-axis volcanism and faulting at fast spreading mid-ocean ridges. Earth and Planetary Science Letters, v.190, 2001. pp.31-39

FLATAU, MARIA (with Piotr J. Flatau and Daniel L. Rudnick). The dynamics of double monsoon onsets. Journal of Climate, v.14, 2001. pp.4130-4146

FRANCIS, CHRIS A. (with Bradley M. Tebo). cumA multicopper oxidase genes from diverse Mn(II)-oxidizing and non-Mn(II)-oxidizing Pseudomonas strains. Applied and Environmental Microbiology, v.67, no.9, 2001. pp.4272-4278

FRANCIS, CHRIS A. (with Edgie-Mark Co and Bradley M. Tebo). Enzymatic manganese(II). oxidation by a marine a-proteobacterium. Applied and Environmental Microbiology, v.67, no.9, 2001. pp.4024-4029

FRANKS, PETER J. S. (with Jules S. Jaffe). Microscale distributions of phytoplankton: Initial results from a two-dimensional imaging fluorometer, OSST. Marine Ecology Progress Series, v.220, 2001. pp.59-72

FRANKS, PETER J. S. Phytoplankton blooms in a fluctuating environment: The roles of plankton response time scales and grazing. Journal of Plankton Research, v.23, no.12, 2001. pp.1433-1441

FRANKS, PETER J. S. (with Changsheng Chen). A 3-D prognostic numerical model study of the Georges Bank ecosystem. Part II: Biological-physical model. Deep- Sea Research II, v.48, 2001. pp.457-482

FRANKS, PETER J. S. Turbulence avoidance: An alternate explanation of turbulence-enhanced ingestion rates in the field. Limnology and Oceanography, v.46, no.4, 2001.pp.959-963

FRICKER, HELEN AMANDA (with Sergey Popov, Ian Allison, and Neal Young). Distribution of marine ice beneath the Amery Ice Shelf. Geophysical Research Letters, v.28, no.11, 2001. pp.2241-2244

FROUIN, ROBERT (with Sam Iacobellis and Pierre-Yves Deschamps). Influence of oceanic whitecaps on the global radiation budget. Geophysical Research Letters, v.28, no.8, 2001. pp.1523-1526

FURNES, HARALD (Hubert Staudigel, Ingunn H. Thorseth, Terje Torsvik, Karlis Muehlenbachs, and Ole Tumyr). Bioalteration of basaltic glass in the oceanic crust. Geochemistry, Geophysics, Geosystems (G3), v.2, 2001. paper number 2000GC000150. 30p.

GENRICH, JOACHIM F. (with Yehuda Bock, R. McCaffrey, L. Prawirodirdjo, C. Stevens, S. S. O. Puntodewo, C. Subarya, and Shimon Wdowinski). Distribution of slip at the northern Sumatran fault system. Journal of Geophysical Research, v.105, no.B12, 2000. pp.28,327-28,341

GEORGAKAKOS, KONSTANTINE P. (with Diane E. Smith). Soil moisture tendencies into the next century for the conterminous United States. Journal of Geophysical Research, v.106, no.D21, 2001. pp.27,367-27,382

GERSHUNOV, ALEXANDER (with Niklas Schneider and Tim P. Barnett). Low-frequency modulation of the ENSO-Indian Monsoon rainfall relationship: Signal or noise? Journal of Climate, v.14, 2001. pp.2486-2492

GILBERT, FREEMAN Vandermonde matrix analysis of long-period seismograms. Geophysical Journal International, v.146, 2001. pp.843-849

GILBERT, HERSH J. (with A. F. Sheehan, Douglas A. Wiens, Kenneth G. Dueker, L. M. Dorman, John A. Hildebrand, and Spahr Webb). Upper mantle discontinuity structure in the region of the Tonga subduction zone. Geophysical Research Letters, v.28, no.9, 2001. pp.1855-1858

GILLE, SARAH T. (with Christopher W. Hughes). Aliasing of high-frequency variability by altimetry: Evaluation from bottom pressure recorders. Geophysical Research Letters, v.28, no.9, 2001. pp.1755-1758

GLOERSEN, PER (with Warren B. White). Reestablishing the circumpolar wave in sea ice around Antarctica from one winter to the next. Journal of Geophysical Research, v.106, no.C3, 2001. pp.4391-4395

GODDARD, LISA (with Simon J. Mason, S. E. Zebiak, C. F. Ropelewski, R. Basher, and M. A. Cane). Current approaches to seasonal-to-interannual climate predictions. International Journal of Climatology, v.21, 2001. pp.1111-1152

GRAHAM, JEFFREY B. (with Kathryn A. Dickson). Anatomical and physiological specializations for endothermy. In: Tuna: Physiology, Ecology, and Evolution. Fish Physiology, volume 19, edited by Barbara A. Block and E. Donald Stevens. San Diego, Academic Press, 2001. pp.121-165

GROCE, AMI K. (with Richard H. Rosenblatt and M. James Allen). Addition of blacklip dragonet, Synchiropus atrilabiatus (Garman, 1899). (Pisces: Callionymidae). to the California ichthyofauna. Bulletin of the Southern California Academy of Sciences, v.100, no.3, 2001. pp.149-152

GRUNBERG, KAREN (with Cathrin Wawer, Bradley M. Tebo, and Dirk Schüler). A large gene cluster encoding several magnetosome proteins is conserved in different species of magnetotactic bacteria. Applied and Environmental Microbiology, v.67, no.10, 2001. pp.4573-4582

- HORNBERGER, G. M. (with J. D. Aber, J. Bahr, R. C. Bales, K. Beven, E. Foufoula- Georgiou, G. Katul, J. L. Kinter III, R. D. Koster, Dennis P. Lettenmaier, D. McKnight, K. Miller, K. Mitchell, John Owen Roads, B. R. Scanlon, and E. Smith). A Plan for a New Science Initiative on the Global Water Cycle. Washington, D. C., U.S. Global Change Research Program, 2001. 118p
- IERLEY, G. R. (with R. A. Worthing). Bound to improve: A variational approach to convective heat transport. Journal of Fluid Mechanics, v.441, 2001. pp.223-253
- IERLEY, G. R. (with John W. Miles). On Townsend's rapid-distortion model of the turbulent-wind-wave problem. Journal of Fluid Mechanics, v.435, 2001. pp.175- 189
- ISAACS, CAROLINE M. (with Richard M. Pollastro, John A. Barron, James C. Ingle Jr., David Bukry, Robert B. Dunbar, Margaret A. Keller, Janice H. Tomson, and Michael D. Lewan). Geologic and paleontologic features of rock samples in the Cooperative Monterey Organic Geochemistry Study, Naples Beach and Lions Head sections, California. In: The Monterey Formation: From Rocks to Molecules, edited by Caroline M. Isaacs and Jürgen Rullkötter. New York, Columbia University Press, 2001. pp.373-392
- JAFFE, JULES S. (with Karl D. Moore, John McLean, and Michael P. Strand). Underwater optical imaging: Status and prospects. Oceanography, v.14, no.3, 2001. pp.64-75
- JANNEY, PHILIP E. (with Paterno R. Castillo). Geochemistry of the oldest Atlantic oceanic crust suggests mantle plume involvement in the early history of the central Atlantic Ocean. Earth and Planetary Science Letters, v.192, 2001. pp.291-302
- JAYARAMAN, A. (S. K. Satheesh, A. P. Mitra, and V. Ramanathan). Latitude gradient in aerosol properties across the Inter Tropical Convergence Zone: Results from the joint Indo-US study onboard Sagar Kanya. Current Science (Supplement), v.80, 2001. pp.128-137
- JENSEN, PAUL R. (with William Fenical). Marine microorganisms and drug discovery: Current status and future potential. In: Drugs from the Sea, edited by Nobuhiro Fusetani. Basel, Karger, 2000. pp.6-29
- JIN, ZHONGHAI (with James J. Simpson). Anisotropic reflectance of snow observed from space over the Arctic and its effect on solar energy balance. Remote Sensing of Environment, v.75, 2001. pp.63-75
- JUHL, ANDREW R. (with Vera L. Trainer and Michael I. Latz). Effect of fluid shear and irradiance on population growth and cellular toxin content of the dinoflagellate Alexandrium fundyense. Limnology and Oceanography, v.46, no.4, 2001. pp.758-764
- KAHRU, MATI (with B. G. Mitchell). Seasonal and nonseasonal variability of satellite-derived cholorphyll and colored dissolved organic matter concentration in the California Current. Journal of Geophysical Research, v.106, no.C2, 2001. pp.2517-2529
- KIRKMAN, DAVID (with David Tytler, John M. O'Meara, Scott Burles, Dan Lubin, Nao Suzuki, Robert F. Carswell, Michael S. Turner, and E. Joseph Wampler). New Hubble Space Telescope spectra of QSO PG 1718+4807: No evidence for strong deuterium absorption. The Astrophysical Journal, v.559, no.1, 2001. pp.23-28

KIRKMAN, DAVID (with David Tytler, Scott Burles, Dan Lubin, and John M. O'Meara). QSO 0130-4021: A third QSO showing a low deuterium-to-hydrogen abundance ratio. The Astrophysical Journal, v.529, no.2, 2000. pp.655-660

KOPPERS, ANTHONY A. P. (with Hubert Staudigel and Jan R. Wijbrans). Dating crystalline groundmass separates of altered Cretaceous seamount basalts by the 40Ar/39Ar incremental heating technique. Chemical Geology, v.166, 2000. pp.139- 158

KOPPERS, ANTHONY A. P. (with Jason Phipps Morgan, Jason W. Morgan, and Hubert Staudigel). Testing the fixed hotspot hypothesis using 40Ar/39Ar age progressions along seamount trails. Earth and Planetary Science Letters, v.185, 2001. pp.237-252

KRESGE, NICOLE (with Victor D. Vacquier and C. David Stout). Abalone lysin: The dissolving and evolving sperm protein. BioEssays, v.23, no.1, 2001. pp.95-103

KUBANEK, JULIA (with Mark E. Hay, Pam J. Brown, Niels Lindquist, and William Fenical). Lignoid chemical defenses in the freshwater macrophyte Saururus cernuus. Chemoecology, v.11, 2001. pp.1-8

KUBANEK, JULIA (with William Fenical and Joseph R. Pawlik). New antifeedant triterpene glycosides from the Caribbean sponge Erylus formosus. Natural Product Letters, v.15, no.4, 2001. pp.275-285

KUBANEK, JULIA (with Joseph R. Pawlik, Tegan M. Eve, and William Fenical). Triterpene glycosides defend the Caribbean reef sponge Erylus formosus from predatory fishes. Marine Ecology Progress Series, v.207, 2000. pp.69-77

Lal, D. (with A. J. T. Jull). In-situ cosmogenic 14C: Production and examples of its unique applications in studies of terrestrial and extraterrestrial processes. Radiocarbon, v.43, no.2B, 2001. pp.731-742

Lal, D. (with A. J. T. Jull, D. J. Donahue, G. S. Burr, B. Deck, J. Jouzel, and E. Steig). Record of cosmogenic in situ produced 14C in Vostok and Taylor Dome ice samples: Implications for strong role of wind ventilation processes. Journal of Geophysical Research, v.106, no.D23, 2001. pp.31,933-31,941

LANDMAN, WILLEM A. (with Simon J. Mason). Forecasts of near-global sea surface temperatures using canonical correlation analysis. Journal of Climate, v.14, 2001. pp.3819-3833

LANDMAN, WILLEM A. (with Simon J. Mason, Peter D. Tyson, and Warren J. Tennant). Retro-active skill of multi-tiered forecasts of summer rainfall over southern Africa. International Journal of Climatology, v.21, 2001. pp.1-19

LANDMAN, WILLEM A. (with Simon J. Mason, Peter D. Tyson, and Warren J. Tennant). Statistical downscaling of GCM simulations to streamflow. Journal of Hydrology, v.252, 2001. pp.221-236

LASKE, G. (with N. Cotte). Surface wave waveform anomalies at the Saudi Seismic Network. Geophysical Research Letters, v.28, no.23, 2001. pp.4383-4386

LEEUWENBURGH, OLWIJN (with D. Stammer). The effect of ocean currents on sea surface temperature anomalies. Journal of Physical Oceanography, v.31, 2001. pp.2340-2358

LELIEVELD, JOS (with P. J. Crutzen, V. Ramanathan, M. O. Andreae, C. A. M. Brenninkmeijer, T. Campos, G. R. Cass, R. R. Dickerson, Hubertus Fischer, J. A. de Gouw, A. Hansel, A. Jefferson, D. Kley, A. T. J. de Laat, S. Lal, M. G. Lawrence, J. M. Lobert, O. L. Mayol-Bracero, A. P. Mitra, T. Novakov, S. J. Oltmans, K. A. Prather, T. Reiner, H. Rodhe, H. A. Scheeren, D. Sikka, and J. Williams). The Indian Ocean Experiment: Widespread air pollution from South and Southeast Asia. Science, v.291, 2001. pp.1031-1036

LERCH, MELISSA L. (with D. John Faulkner). Unusual polyoxygenated sterols from a Philippines sponge Xestospongia sp. Tetrahedron, v.57, 2001. pp.4091-4094

LERCZAK, J. A. (with Myrl C. Hendershott and Clinton D. Winant). Observations and modeling of coastal internal waves driven by a diurnal sea breeze. Journal of Geophysical Research, v.106, no.C9, 2001. pp.19,715-19,729

LEVIN, LISA A. (with Andrew J. Gooday and David W. James). Dressing up for the deep: Agglutinated protists adorn an irregular urchin. Journal of the Marine Biological Association of the United Kingdom, v.81, 2001. pp.881-882

LEVIN, LISA A. (with Ron J. Etter, Michael A. Rex, Andrew J. Gooday, Craig R. Smith, Jesús Pineda, Carol T. Stuart, Robert R. Hessler, and David Pawson). Environmental influences on regional deep-sea species diversity. Annual Review of Ecology and Systematics, v.32, 2001. pp.51-93

LEVIN, LISA A. (with Donald F. Boesch, Alan Covich, Cliff Dahm, Christer Erseus, Katherine C. Ewel, Ronald T. Kneib, Andy Moldenke, Margaret A. Palmer, Paul Snelgrove, David Strayer, and Jan Marcin Weslawski). The function of marine critical transition zones and the importance of sediment biodiversity. Ecosystems, v.4, 2001. pp.430-451

LOISEL, HUBERT (with Dariusz Stramski, B. G. Mitchell, Frank Fell, Vincent Fournier-Sicre, Bertand Lemasle, and Marcel Babin). Comparison of the ocean inherent optical properties obtained from measurements and inverse modeling. Applied Optics, v.40, no.15, 2001. pp.2384-2397

LONGUET-HIGGINS, MICHAEL S. Asymptotic forms for jets from standing waves. Journal of Fluid Mechanics, v.447, 2001. pp.287-297

LONGUET-HIGGINS, MICHAEL S. A fourfold point of concurrence lying on the Euler line of a triangle. The Mathematical Intelligencer, v.22, no.1, 2000. pp.54-59

LONGUET-HIGGINS, MICHAEL S. Geometrical constraints on the development of a diatom. Journal of Theoretical Biology, v.210, 2001. pp.101-105

LONGUET-HIGGINS, MICHAEL S. (with Douglas G. Dommermuth). On the breaking of standing waves by falling jets. Physics of Fluids, v.13, no.6, 2001. pp.1652- 1659

LONGUET-HIGGINS, MICHAEL S. On the principal centers of a triangle. Elemente der Mathematik, v.56, 2001. pp.122-129

LONGUET-HIGGINS, MICHAEL S. Shooting for p: The bowstring lemma. The Mathematical Gazette, v.84, 2000. pp.216-222

LONGUET-HIGGINS, MICHAEL S. Vertical jets from standing waves. Proceedings of the Royal Society of London A, v.457, 2001. pp.495-510

LONGUET-HIGGINS, MICHAEL S. (with Douglas G. Dommermuth). Vertical jets from standing waves. II. Proceedings of the Royal Society of London A, v.457, 2001. pp.2137-2149

LONGUET-HIGGINS, MICHAEL S. Vertical jets from standing waves; the bazooka effect. In: IUTAM Symposium on Free Surface Flows. Fluid Mechanics and Its Applications, v.62, edited by A. C. King and Y. D. Shikhmurzaev. Dordrecht, Netherlands, Kluwer Academic Publishers, 2001. pp.195-203

LOWE, DAVID (with Robert L. Parker, Michael E. Purucker, and Catherine G. Constable). Estimating the crustal power spectrum from vector Magsat data. Journal of Geophysical Research, v.106, no.B5, 2001. pp.8589-8598

LUBIN, DAN (with Biao Chen, David H. Bromwich, Richard C. J. Somerville, Wan-Ho Lee, and Keith M. Hines). The impact of Antarctic cloud radiative properties on a GCM climate simulation. Journal of Climate, v.11, 1998. pp.447-462

LUBIN, DAN (with Wei Li, Phillip Dustan, Charles H. Mazel, and Knut Stamnes). Spectral signatures of coral reefs: Features from space. Remote Sensing of Environment, v.75, 2001. pp.127-137

LUBIN, DAN (with Andrew M. Vogelmann, Pamela J. Lehr, Ann Kressin, James Ehramjian, and V. Ramanathan). Validation of visible/near-IR atmospheric absorption and solar emission spectroscopic models at 1 cm-1 resolution. Journal of Geophysical Research, v.105, no.D17, 2000. pp.22,445-22,454

LUEKER, TIMOTHY J. (with Ralph F. Keeling and Manvendra K. Dubey). The oxygen to carbon dioxide ratios observed in emissions from a wildfire in northern California. Geophysical Research Letters, v.28, no.12, 2001. pp.2413-2416

LUGMAIR, G. W. (with A. Shukolyukov). The Leonard Award Address: Early solar system events and timescales. Meteoritics and Planetary Science, v.36, 2001. pp.1017-1026

LUKAS, ROGER (with Fernando Santiago-Mandujano, Frederick Bingham, and Arnold W. Mantyla). Cold bottom water events observed in the Hawaii Ocean Time-series: Implications for vertical mixing. Deep-Sea Research I, v.48, 2001. pp.995-1021

MACGREGOR, L. M. (with M. C. Sinha and Steven C. Constable). Electrical resistivity structure of the Valu Fa Ridge, Lau Basin, from marine controlled- source electromagnetic sounding. Geophysical Journal International, v.146, 2001. pp.217-236

MARTINEZ, JOSEFINA (with Margo G. Haygood and Alison Butler). Identification of a natural desferrioxamine siderophore produced by a marine bacterium. Limnology and Oceanography, v.46, no.2, 2001. pp.420-424

MASON, SIMON J. El Nino, climate change, and southern African climate. Environmetrics, v.12, 2001. pp.327-345

MASON, SIMON J (with Lisa Goddard). Probabilistic precipitation anomalies associated with ENSO. Bulletin of the American Meteorological Society, v.82, no.4, 2001. pp.619-638

MAURER, EDWIN P. (with Greg M. O'Donnell, Dennis P. Lettenmaier, and John Owen Roads). Evaluation of NCEP/NCAR reanalysis water and energy budgets using macroscale hydrologic model simulations. In: Land Surface Hydrology, Meteorology, and Climate: Observations and Modeling. Water Science and Application, v.3, edited by Venkataraman Lakshmi, John Albertson, and John Schaake. Washington D.C., American Geophysical Union, 2001. pp.137-158

MCCAFFREY, R. (with P. Zwick, Yehuda Bock, L. Prawirodirdjo, Joachim F. Genrich, C. Stevens, S. S. O. Puntodewo, and C. Subarya). Strain partitioning during oblique plate convergence in northern Sumatra: Geodetic and seismologic constraints and numerical modeling. Journal of Geophysical Research, v.105, no.B12, 2000. pp.28,363-28,376

MCCOY, MICHAEL C. (with D. John Faulkner). Uoamines A and B, piperidine alkaloids from the ascidian Aplidium uouo. Journal of Natural Products, v.64, no.8, 2001. pp.1087-1089

MCDONALD, MARK A. (with John Calambokidis, Arthur M. Teranishi, and John A. Hildebrand). The acoustic calls of blue whales off California with gender data. Journal of the Acoustical Society of America, v.109, no.4, 2001. pp.1728-1735

MENGERINK, KATHRYN J. (with Victor D. Vacquier). Glycobiology of sperm-egg interactions in deuterostomes. Glycobiology, v.11, no.4, 2001. pp.37R-43R

MILES, JOHN W. Gravity waves on shear flows. Journal of Fluid Mechanics, v.443, 2001. pp.293-299

MILES, JOHN W. A note on surface waves generated by shear-flow instability. Journal of Fluid Mechanics, v.447, 2001. pp.173-177

MILES, JOHN W. Perspectives in fluid dynamics: A collective introduction to current research, edited by G. K. Batchelor, H. K. Moffatt, and M. G. Worster. (Book Review). SIAM Review, v.43, no.4, 2001. pp.728-731

MILES, JOHN W. Stability of inviscid shear flow over a flexible boundary. Journal of Fluid Mechanics, v.434, 2001. pp.371-378

MIMMACK, GILLIAN M. (with Simon J. Mason and Jacqueline S. Galpin). Choice of distance matrices in cluster analysis: Defining regions. Journal of Climate, v.14, 2001. pp.2790-2797

MOISAN, TIFFANY (with B. G. Mitchell). UV absorption by mycosporine-like amino acids in Phaeocystis antarctica Karsten induced by photosynthetically available radiation. Marine Biology, v.138, 2001. pp.217-227

MOORE, KARL D. (with Jules S. Jaffe and Benjamin L.Ochoa). Development of a new underwater bathymetric laser imaging system: L-Bath. Journal of Atmospheric and Oceanic Technology, v.17, 2000. pp.1106-111

MOORE, KARL D. Intercalibration method for underwater three-dimensional mapping laser line scan systems. Applied Optics, v.40, no.33, 2001. pp.5991-6004

MOORE, KARL D. (with Kenneth J. Voss and Howard R. Gordon). Spectral reflectance of whitecaps: Instrumentation, calibration, and performance in coastal waters. Journal of Atmospheric and Oceanic Technology, v.15, 1998. pp.496-509

MORROW, E. M. (with D. J. Scheeres and Dan Lubin). Solar sail orbit operations at asteroids. Journal of Spacecraft and Rockets, v.38, no.2, 2001. pp.279-286

NAGY, KENNETH A. (with Gerald L. Kooyman and Paul J. Ponganis). Energetic cost of foraging in free-diving emperor penguins. Physiological and Biochemical Zoology, v.74, no.4, 2001. pp.541-547

NEWMAN, WILLIAM A. (with Arnold Ross). Prospectus on larval cirriped setation formulae, revisited. Journal of Crustacean Biology, v.21, no.1, 2001. pp.56-77

NIKOLAIDIS, ROSANNE M. (with Yehuda Bock, Paul J. de Jonge, P. M. Shearer, D. Agnew, and M. van Domselaar). Seismic wave observations with the Global Positioning System. Journal of Geophysical Research, v.106, no.B10, 2001. pp.21,897-21,916

NORRIS, JOEL R. Has northern Indian Ocean cloud cover changed due to increasing anthropogenic aerosol? Geophysical Research Letters, v.28, no.17, 2001. pp.3271-3274

NORRIS, JOEL R. (with C. P. Weaver). Improved techniques for evaluating GCM cloudiness applied to the NCAR CCM3. Journal of Climate, v.14, 2001. pp.2540- 2550

NORTHCUTT, R. GLENN Evolution of the nervous system: Changing views of brain evolution. Brain Research Bulletin, v.55, no.6, 2001. pp.663-674

NORTHCUTT, R. GLENN Lancelet lessons: Evaluating a phylogenetic model. The Journal of Comparative Neurology, v.435, 2001. pp.391-393

NOVAKOV, T. (with M. O. Andreae, R. Gabriel, T. W. Kirchstetter, O. L. Mayol- Bracero, and V. Ramanathan). Origin of carbonaceous aerosols over the tropical Indian Ocean: Biomass burning or fossil fuels? Geophysical Research Letters, v.27, no.24, 2000. pp.4061-4064

O'DOHERTY, S. (with P. G. Simmonds, D. M. Cunnold, R. H. J. Wang, G. A. Sturrock, P. J. Fraser, D. Ryall, R. G. Derwent, Ray F. Weiss, P. Salameh, B. R. Miller, and R. G. Prinn). In situ chloroform

measurements at Advanced Global Atmospheric Gases Experiment atmospheric research stations from 1994 to 1998. Journal of Geophysical Research, v.106, no.D17, 2001. pp.20,429-20,444

OEY, L. Y. (with Dong-Ping Wang, Thomas L. Hayward, Clinton D. Winant, and Myrl C. Hendershott). "Upwelling" and "cyclonic" regimes of the near-surface circulation in the Santa Barbara Channel. Journal of Geophysical Research, v.106, no.C5, 2001. pp.9213-9222

OGLESBY, R. (with S. Marshall, John Owen Roads, and Franklin R. Robertson). Diagnosing warm season precipitation over the GCIP region from a GCM and reanalysis. Journal of Geophysical Research, v.106, no.D4, 2001. pp.3357-3369

OHMAN, MARK D. (with H.-J. Hirche). Density-dependent mortality in an oceanic copepod population. Nature, v.412, 2001. pp.638-641

OHMAN, MARK D. Keynote presentation: "A perspective on international cooperation in science." In Proceedings of the EurOCEAN 2000 Conference, 29 August to 2 September 2000, Hamburg, Germany, edited by K.-G. Barthel, C. Lecherf, M. Catizzone, M. Cornaert, A. Edwards, T. Fairley, C. Fragakis, D. Levieil, E. Lipiatou, P. Martin, G. Ollier, L. d'Ozovville, and W. Schrimpf. Luxembourg, Office for Official Publications of the European Communities, 2001. pp.99-105

O'MEARA, JOHN M. (with David Tytler, David Kirkman, Nao Suzuki, Jason X. Prochaska, Dan Lubin, and Arthur M. Wolfe). The deuterium to hydrogen abundance ratio toward a fourth QSO: HS 0105+1619. The Astrophysical Journal, v.552, no.2, 2001. pp.718-730

ORLANDI, P. (with G. F. Carnevale, S. K. Lele, and K. Shariff). Thermal perturbation of trailing vortices. European Journal of Mechanics B - Fluids, v.20, 2001. pp.511-524

PAINTER, THOMAS H. (with Brian Duval, William H. Thomas, Maria Mendez, Sara Heintzelman, and Jeff Dozier). Detection and quantification of snow algae with an airborne imaging spectrometer. Applied and Environmental Microbiology, v.67, no.11, 2001. pp.5267-5272

PAUTET, L. (with W. A. Kuperman and L. M. Dorman). Using refracted shear waves for velocity estimation. Geophysical Prospecting, v.49, 2001. pp.281-286

PERRIN, WILLIAM F. Stenella attenuata. Mammalian Species, v.683, 2001. pp.1-8

PIERCE, DAVID W. Distinguishing coupled ocean-atmosphere interactions from background noise in the North Pacific. Progress in Oceanography, v.49, 2001. pp.331-352

PIERCE, DAVID W. (with Tim P. Barnett, Niklas Schneider, R. Saravanan, Dietmar Dommenget, and M. Latif). The role of ocean dynamics in producing decadal climate variability in the North Pacific. Climate Dynamics, v.18, 2001. pp.51-70

PODGORNY, IGOR A. (with Dan Lubin). Biologically active insolation over Antarctic waters: Effect of a highly reflecting coastline. Journal of Geophysical Research, v.103, no.C2, 1998. pp.2919-2928

PODGORNY, IGOR A. (with V. Ramanathan). A modeling study of the direct effect of aerosols over the tropical Indian Ocean. Journal of Geophysical Research, v.106, no.D20, 2001. pp.24,097-24,105

PONGANIS, PAUL J. (with R. Van Dam, Torre Knower, and D. H. Levenson). Temperature regulation in emperor penguins foraging under sea ice. Comparative Biochemistry and Physiology Part A, v.129. 2001. pp.811-820

PRAWIRODIRDJO, L. (with Yehuda Bock, Joachim F. Genrich, S. S. O. Puntodewo, J. Rais, C. Subarya, and S. Sutisna). One century of tectonic deformation along the Sumatran fault from triangulation and Global Positioning System surveys. Journal of Geophysical Research, v.105, no.B12, 2000. pp.28,343-28,361

PRINGLE, JAMES M. (with Peter J. S. Franks). Asymmetric mixing transport: A horizontal transport mechanism for sinking plankton and sediment in tidal flows. Limnology and Oceanography, v.46, no.2, 2001. pp.381-391

PRINN, R. G. (with J. Huang, Ray F. Weiss, D. M. Cunnold, P. J. Fraser, P. G. Simmonds, A. McCulloch, C. Harth, P. Salameh, S. O'Doherty, R. H. J. Wang, L. Porter, and B. R. Miller). Evidence for substantial variations of atmospheric hydroxyl radicals in the past two decades. Science, v.292, 2001. pp.1882-1888

RAINVILLE, LUC (with Robert Pinkel). Wirewalker: An autonomous wave-powered vertical profiler. Journal of Atmospheric and Oceanic Technology, v.18, 2001. pp.1048-1051

RAJEEV, K. (with V. Ramanathan). Direct observations of clear-sky aerosol radiative forcing from space during the Indian Ocean Experiment. Journal of Geophysical Research, v.106, no.D15, 2001. pp.17,221-17,235

RAMANATHAN, V. (with P. J. Crutzen, J. T. Kiehl, and D. Rosenfeld). Aerosols, climate, and the hydrological cycle. Science, v.294, 2001. pp.2119-2124

RAMANATHAN, V. (with P. J. Crutzen, Jos Lelieveld, A. P. Mitra, D. Althausen, J. Anderson, M. O. Andreae, W. Cantrell, G. R. Cass, C. E. Chung, A. D. Clarke, J. A. Coakley, William Collins, W. C. Conant, F. Dulac, J. Heintzenberg, A. J. Heymsfield, B. N. Holben, S. Howell, J. Hudson, A. Jayaraman, J. T. Kiehl, T. N. Krishnamurti, Dan Lubin, Greg M. McFarquhar, T. Novakov, J. A. Ogren, Igor A. Podgorny, K. A. Prather, Keith F. Priestley, J. M. Prospero, P. K. Quinn, K. Rajeev, P. Rasch, S. Rupert, R. Sadourny, S. K. Satheesh, G. E. Shaw, P. Sheridan, and Francisco P. J. Valero). Indian Ocean Experiment: An integrated analysis of the climate forcing and effects of the great Indo-Asian haze. Journal of Geophysical Research, v.106, no.D22, 2001. pp.28,371-28,398

RAMON, FIDEL (with Oscar H. Hernandez and Theodore Holmes Bullock). Event- related potentials in an invertebrate: Crayfish emit 'omitted stimulus potentials.' Journal of Experimental Biology, v.204, 2001. pp.4291-4300

RAUBENHEIMER, B. (with Robert T. Guza and Steve Elgar). Field observations of wave-driven setdown and setup. Journal of Geophysical Research, v.106, no.C3, 2001. pp.4629-4638

REYNOLDS, RICK A. (with Dariusz Stramski and B. G. Mitchell). A chlorophyll- dependent semianalytical reflectance model derived from field measurements of absorption and backscattering coefficients within the Southern Ocean. Journal of Geophysical Research, v.106, no.C4, 2001. pp.7125-7138

RHEW, ROBERT C. (with B. R. Miller, Martin K. Vollmer, and Ray F. Weiss). Shrubland fluxes of methyl bromide and methyl chloride. Journal of Geophysical Research, v.106, no.D18, 2001. pp.20,875-20,882

RICHARDSON, MICHAEL D. (with Kevin B. Briggs, L. Dale Bibee, Peter A. Jumars, William B. Sawyer, Daniel B. Albert, Richard H. Bennett, Thomas K. Berger, Michael J. Buckingham, Nicholas P. Chotiros, Peter H. Dahl, Nancy T. Dewitt, Peter Fleischer, Roger Flood, Charles F. Greenlaw, D. Vance Holliday, Matthew H. Hulbert, Michael P. Hutnak, Peter D. Jackson, Jules S. Jaffe, H. Paul Johnson, Dawn L. Lavoie, Anthony P. Lyons, Christopher S. Martens, Duncan McGehee, Karl D. Moore, Tim H. Orsi, James N. Piper, Richard I. Ray, Allen H. Reed, Robert F. Liko Self, Jill L. Schmidt, Stephen G. Schock, Fernando Simonet, Robert D. Stoll, Dajun Tang, David Thistle, Eric I. Thorsos, Donald J. Walter, and Robert A. Wheatcroft). Overview of SAX99: Environmental considerations. IEEE Journal of Oceanic Engineering, v.26, no.1, 2001. pp.26-53

ROADS, JOHN OWEN (with Burkhardt Rockel and Ehrhard Raschke). Evaluation of ECPC's seasonal forecasts over the BALTEX region and Europe. Meteorologische Zeitschrift, v.10, no.4, 2001. pp.283-294

ROSS, ARNOLD (with William A. Newman). The Catophragmidae: Members of the basal balanomorph radiation. Sessile Organisms, v.18, no.2, 2001. pp.77-91

ROSS, ARNOLD (with William A. Newman). Cionophora? new records for a western Pacific coralinhabiting barnacle of Astreopora. Zoological Studies, v.40, no.3, 2001. pp.204-205

ROSS, ARNOLD (with William A. Newman). A new coral-eating barnacle: The first record from the Great Barrier Reef, Australia. Memoirs of the Queensland Museum, v.45, no.2, 2000. pp.585-591

ROSS, ARNOLD (with William A. Newman). Pyrgoma cancellatum: A question of dates (Cirripedia, Pyrgomatidae). Crustaceana, v.73, no.5, 2000. pp.629-630

ROSS, ARNOLD (with William A. Newman). Pyrgoma kuri Hoek, 1913: A case study in morphology and systematics of a symbiotic coral barnacle (Cirripedia: Balanomorpha). Contributions to Zoology, v.68, no.4, 2000. pp.245-260

RUDNICK, DANIEL L. On the skewness of vorticity in the upper ocean. Geophysical Research Letters, v.28, no.10, 2001. pp.2045-2048

RUESSINK, B. G. (with J. R. Miles, Falk Feddersen, Robert T. Guza, and Steve Elgar). Modeling the alongshore current on barred beaches. Journal of Geophysical Research, v.106, no.C10, 2001. pp.22,451-22,463

SALOMON, CHRISTINE E. (with Thomas Deerinck, Mark Ellisman, and D. John Faulkner). The cellular localization of dercitamide in the Palauan sponge Oceanapia sagittaria. Marine Biology, v.139, 2001. pp.313-319

SANDWELL, DAVID T. (with Walter H. F. Smith). Bathymetric estimation. In: Satellite Altimetry and Earth Sciences: A Handbook of Techniques and Applications. International Geophysics Series, v.69, edited by Lee-Lueng Fu and Anny Cazenave. San Diego, California, Academic Press, 2001. pp.441-457, plus 2 color plates

SANFILIPPO, ANNIKA (with C. D. Blome). Biostratigraphic implications of mid-latitude Palaeocene-Eocene radiolarian faunas from Hole 1051A, ODP Leg 171B, Blake Nose, western North Atlantic. In: Western North Atlantic Palaeogene and Cretaceous Palaeoceanography. Geological Society Special Publication no.183, edited by Dick Kroon, R. D. Norris, and A. Klaus. London, The Geological Society, 2001. pp.185-224

SCHLOSSER, GERHARD (with R. Glenn Northcutt). Lateral line placodes are induced during neurulation in the axolotl. Developmental Biology, v.234, 2001. pp.55-71

SCHNEIDER, NIKLAS (with Arthur J. Miller). Predicting western North Pacific Ocean climate. Journal of Climate, v.14, 2001. pp.3997-4002

SCHULTE-PELKUM, VERA (with Guy Masters and P. M. Shearer). Upper mantle anisotropy from long-period P polarization. Journal of Geophysical Research, v.106, no.B10, 2001. pp.21,917-21,934

SEVERINGHAUS, JEFFREY P. (with Alexi Grachev and Mark Battle). Thermal fractionation of air in polar firn by seasonal temperature gradients. Geochemistry, Geophysics, Geosystems (G3), v.2, 2001. Paper number 2000GC000146. 24p

SHAW, A. (with David R. Hilton, Colin G. Macpherson, and John M. Sinton). Nucleogenic neon in high 3He/4 He lavas from the Manus back-arc basin: A new perspective on He-Ne decoupling. Earth and Planetary Science Letters, v.194, 2001. pp.53-66

SHEARER, P. M. Improving global seismic event locations using source-receiver reciprocity. Bulletin of the Seismological Society of America, v.91, no.3, 2001. pp.594-603

SHERMAN, JEFFREY T. (with Russ E. Davis, W. B. Owens, and J. Valdes). The autonomous underwater glider "Spray." IEEE Journal of Oceanic Engineering, v.26, no.4, 2001. pp.437-446

SIMPSON, JAMES J. (with T. J. McIntire, James R. Stitt, and Gary L. Hufford). Improved cloud detection in AVHRR daytime and night-time scenes over the ocean. International Journal of Remote Sensing, v.22, no.13, 2001. pp.2585-2615

SIMPSON, JAMES J. (with Jared S. Berg, Chester J. Koblinsky, Gary L. Hufford, and Brian Beckley). The NVAP global water vapor data set: Independent cross- comparison and multiyear variability. Remote Sensing of Environment, v.76, 2001. pp.112-129

- SIMPSON, JAMES J. (with T. J. McIntire). A recurrent neural network classifier for improved retrievals of areal extent of snow cover. IEEE Transactions on Geoscience and Remote Sensing, v.39, no.10, 2001. pp.2135-2147
- SIMPSON, JAMES J. (with Gary L. Hufford, David Pieri, and Jared S. Berg). Response to "Comments on Failures in detecting volcanic ash from a satellite- based technique." Remote Sensing of Environment, v.78, 2001. pp.347-357
- SMITH, GIDEON P. (with Douglas A. Wiens, Karen M. Fischer, L. M. Dorman, Spahr Webb, and John A. Hildebrand). A complex pattern of mantle flow in the Lau backarc. Science, v.292, 2001. pp.713-716
- SMITH, RAYMOND C. (with Karen S. Baker, Heidi M. Dierssen, Sharon E. Stammerjohn, and M. Vernet). Variability of primary production in an Antarctic marine ecosystem as estimated using a multiscale sampling strategy. American Zoologist, v.41, 2001. pp.40-56
- SMITH, RAYMOND C. (with Sharon E. Stammerjohn). Variations of surface air temperature and sea-ice extent in the western Antarctic Peninsula region. Annals of Glaciology, v.33, 2001. pp.493-500
- SOHN, ROBERT A. (with John A. Hildebrand). Hydroacoustic earthquake detection in the Arctic Basin with the Spinnaker array. Bulletin of the Seismological Society of America, v.91, no.3, 2001. pp.572-579
- STEPIEN, CAROL A. (with Richard H. Rosenblatt and Brian A. Bargmeyer). Phylogeography of the spotted sand bass, Paralabrax maculatofasciatus: Divergence of Gulf of California and Pacific Coast populations. Evolution, v.55, no.9, 2001. pp.1852-1862
- STRAMSKI, DARIUSZ (with Jaroslaw Tegowski). Effects of intermittent entrainment of air bubbles by breaking wind waves on ocean reflectance and underwater light field. Journal of Geophysical Research, v.106, no.C12, 2001. pp.31,345-31,360
- STRAMSKI, DARIUSZ (with Annick Bricaud and Andre Morel). Modeling the inherent optical properties of the ocean based on the detailed composition of the planktonic community. Applied Optics, v.40, no.18, 2001. pp.2929-2945
- SWANSON, WILLIE J. (with Charles F. Aquadro and Victor D. Vacquier). Polymorphism in abalone fertilization proteins is consistent with the neutral evolution of the egg's receptor for lysin (VERL). and positive Darwinian selection of sperm lysin. Molecular Biology and Evolution, v.18, no.3, 2001. pp.376-383
- TALLY, T. S. (with J. A. Crooks, and Lisa A. Levin). Habitat utilization and alteration by the invasive burrowing isopod, Sphaeroma quoyanum, in California salt marshes. Marine Biology, v.138, 2001. pp.561-573
- TALLY, T. S. (with Lisa A. Levin). Modification of sediments and macrofauna by an invasive marsh plant. Biological Invasions, v.3, 2001. pp.51-68
- TIAN, BAIJUN (with Guang Jun Zhang and V. Ramanathan). Heat balance in the Pacific warm pool atmosphere during TOGA COARE and CEPEX. Journal of Climate, v.14, 2001. pp.1881-1893

TIBI, RIGOBERT (with Douglas A. Wiens and John A. Hildebrand). Aftershock locations and rupture characteristics of the 1995 Mariana deep earthquake. Geophysical Research Letters, v.28, no.22, 2001. pp.4311-4314

TIEMANN, CHRISTOPHER O. (with Peter F. Worcester and B. Cornuelle). Acoustic remote sensing of internal solitary waves and internal tides in the Strait of Gibraltar. Journal of the Acoustical Society of America, v.110, no.2, 2001. pp.798-811

TIEMANN, CHRISTOPHER O. (with Peter F. Worcester and B. Cornuelle). Acoustic scattering by internal solitary waves in the Strait of Gibraltar. Journal of the Acoustical Society of America, v.109, no.1, 2001. pp.143-154

TOURRE, YVES M. (with Balaji Rajagopalan, Yochanan Kushnir, Mathew Barlow, and Warren B. White). Patterns of coherent decadal and interdecadal climate signals in the Pacific Basin during the 20th century. Geophysical Research Letters, v.28, no.10, 2001. pp.2069-2072

TRYON, MICHAEL D. (with Kevin M. Brown). Complex flow patterns through Hydrate Ridge and their impact on seep biota. Geophysical Research Letters, v.28, no.14, 2001. pp.2863-2866

TRYON, MICHAEL D (with Kevin M. Brown, L. M. Dorman, and Allan Sauter). A new benthic aqueous flux meter for very low to moderate discharge rates. Deep-Sea Research I, v.48, 2001. pp.2121-2146

VAN AVENDONK, HARM J. A. (with Alistair Harding, John A. Orcutt, and J. S. McClain). Contrast in crustal structure across the Clipperton transform fault from travel time tomography. Journal of Geophysical Research, v.106, no.B6, 2001. pp.10,961-10,981

VAN AVENDONK, HARM J. A. (with Alistair Harding, John A. Orcutt, and W. Steven Holbrook). Hybrid shortest path and ray bending method for traveltime and raypath calculations. Geophysics, v.66, no.2, 2001. pp.648-653

VILELA-SILVA, ANA-CRISTINA E. S. (with Claudio C. Werneck, Ana Paula Valente, Victor D. Vacquier, and Paulo A. S. Mourao). Embryos of the sea urchin Strongylocentrotus purpuratus synthesize a dermatan sulfate enriched in 4-O- and 6-O-disulfated galactosamine units. Glycobiology, v.11, no.6, 2001. pp.433-440

VOGELMANN, ANDREW M. (with V. Ramanathan and Igor A. Podgorny). Scale dependence of solar heating rates in convective cloud systems with implications to general circulation models. Journal of Climate, v.14, 2001. pp.1738-1752

WATSON, WILLIAM (with H. J. Walker Jr., David G. Smith, Christine Thacker, and Gary P. Owen). Preliminary guide to the identification of the early life history stages of the gobioid fishes of the families Microdesmidae and Ptereleotridae of the western central North Atlantic. NOAA Technical Memorandum NMFS-SEFSC-451, 2001. 19p

WHITE, WARREN B. Evidence for coupled Rossby waves in the annual cycle of the Indo-Pacific Ocean. Journal of Physical Oceanography, v.31, 2001. pp.2944-2957

WHITE, WARREN B. (with Rob J. Allan). A global quasi-biennial wave in surface temperature and pressure and its decadal modulation from 1900 to 1994. Journal of Geophysical Research, v.106, no.C11, 2001. pp.26,789-26,803

WHITE, WARREN B. (with Daniel R. Cayan, Michael D. Dettinger, and Guillermo Auad). Sources of global warming in upper ocean temperature during El Nino. Journal of Geophysical Research, v.106, no.C3, 2001. pp.4349-4367

WILCOX, ERIC M. (with V. Ramanathan). Scale dependence of the thermodynamic forcing of tropical monsoon clouds: Results from TRMM observations. Journal of Climate, v.14, 2001. pp.1511-1524

WORCESTER, PETER F. Tomography. In: Encyclopedia of Ocean Sciences, edited by John H. Steele, Steve A. Thorpe, and Karl K. Turekian. San Diego, California, Academic Press, 2001. pp.2969-2986

===== END =====