

## SOEST Publications List (8000-8999)

2005-2015 (updated 1/24/17)

- 8000 Yamazaki, Y., K. F. Cheung, and Z. Kowalik, 2011, Depth integrated, non-hydrostatic model with grid nesting for tsunami generation, propagation, and run-up, *Int. J. Numer. Meth. Fluids*, 67, 2081-2107, doi: 10.1002/flid.2485.
- 8001 Wessel, P., and M. T. Chandler, 2011, The spatial and temporal distribution of marine geophysical surveys, *Acta Geophys.*, 59(1), 55-71, doi: 10.2478/s11600-010-0038-1.
- 8002 Apprill A., T. A. Mooney, E. Lyman, A. K. Stimpert, and M. S. Rappé, 2010, Humpback whales harbour a combination of specific and variable skin bacteria, *Environ. Microbiol. Rpts.*, 3, 223-232, doi: 10.1111/j.1758-2229.2010.00213.x.
- 8003 Moon, J.-Y., B. Wang, and K.-J. Ha, 2011, ENSO regulation of MJO teleconnection, *Clim. Dyn.*, 37(5-6), 1133-1149, IPRC-715, doi: 10.1007/s00382-010-0902-3.
- 8004 Greene, A. R., et al. [M. O. Garcia, G. Ito], 2010, Low-productivity Hawaiian volcanism between Kaua'i and O'ahu, *Geochem. Geophys. Geosyst.*, 11, Q0AC08, doi: 10.1029/2010GC003233.
- 8005 Chowdary, J. S., S.-P. Xie, J.-Y. Lee, Y. Kosaka, and B. Wang, 2010, Predictability of summer Northwest Pacific climate in eleven coupled model hindcasts: Local and remote forcing, *J. Geophys. Res.-Atmos.*, 115(D22), D22121, IPRC-716, doi: 10.1029/2010JD014595.
- 8006 Law, K. L., et al. [N. A. Maximenko, J. Hafner], 2010, Plastic accumulation in the North Atlantic subtropical gyre, *Science*, 329(5996), 1185-1188, IPRC-717, doi: 10.1126/science.1192321.
- 8007 Tokinaga, H., and S.-P. Xie, 2011, Wave and anemometer-based sea-surface wind (WASWind) for climate change analysis, *J. Climate*, 24, 267-285, IPRC-718.
- 8008 Forsman, Z. H., J. A. Martinez, J. E. Maragos, and R. J. Toonen, 2010, Resurrection of *Porites hawaiiensis* Vaughn, 1907; a Hawaiian coral obscured by small size, cryptic habitat, and confused taxonomy, *Zootaxa*, 2624, 67-68.
- 8009 DiBattista, J. D., K. A. Feldheim, and B. W. Bowen, 2011, Microsatellite DNA markers to resolve population structure and hybridization of two closely related surgeonfish species, *Acanthurus nigricans* and *Acanthurus leucosternon*, *Conserv. Genet. Resour.*, 3(1), 159-162, HIMB-1403, doi: 10.1007/s12686-010-9313-3.
- 8010 Chelton, D. B., and S.-P. Xie, 2010, Coupled ocean-atmosphere interaction at oceanic mesoscales, *Oceanogr.*, 23(4), 52-69, IPRC-719.
- 8011 Lee, J.-Y., et al. [B. Wang], 2011, How predictable is the Northern Hemisphere summer upper-tropospheric circulation, *Clim. Dyn.*, 37(5-6), 1189-1203, IPRC-622, doi:10.1007/s00382-010-0909-9.
- 8012 Yang J., J. I. Goldstein, J. R. Michael, P. G. Kotula, and E. R. D. Scott, 2010, Thermal history and origin of the IVB iron meteorites and their parent body, *Geochim. Cosmochim. Acta*, 74(15), 4493-4506, HIGP-1869.
- 8013 Yang J., J. I. Goldstein, and E. R. D. Scott, 2010, Main-group pallasites: thermal history, relationship to IIIAB irons, and origin, *Geochim. Cosmochim. Acta*, 74(15),

- 4471-4492, HIGP-1868.
- 8014 Karl, S. A. , A. L. F. Castro, J. A. Lopez, P. Charvert-Almeida, and G. H. Burgess, 2010, Phylogeography of the bull shark (*Carcharhinus leucas*) inferred from mitochondrial and microsatellite DNA, *Conserv. Genet.*, 12(2), 371-382, HIMB-1404.
- 8015 Gulick, S., et al. [G. F. Moore], 2010, Rapid forearc basin uplift and megasplay fault development from 3D seismic images of Nankai Margin off Kii Peninsula, Japan, *Earth Planet. Sci. Lett.*, 300(1-2), 55-62.
- 8016 Li, T., et al. [M.-H. Kwon], 2010, Global warming shifts Pacific tropical cyclone location, *Geophys. Res. Lett.*, 37(21), L21804, IPRC-720, doi: 10.1029/2010GL045124.
- 8017 Villanoy, C. L., et al. [P. Flament], 2011, Monsoon-driven coastal upwelling off Zamboanga Peninsula, Philippines, *Oceanogr.*, 24(1), 156-165, doi: <http://dx.doi.org/10.5670/oceanog.2011.12>.
- 8018 Vanderkluysen, L., J. J. Mahoney, P. R. Hooper, H. C. Sheth, and R. Ray, 2011, The feeder system of the Deccan Traps (India): Insights from dike geochemistry, *J. Petrol.*, 52(2), 315-343, doi: 10.1093/petrology/egq082, HIG-1870.
- 8019 Rowland, S. K., P. J. Mougini-Mark, and S. A. Fagents, 2011, NASA volcanology field workshops on Hawai'i: Part 1. Description and history, in Garry, W. B., and J. E. Bleacher (eds.), *Analogs for Planetary Exploration*, Geol. Soc. Am. Spec. Pap. 483, p. 401-434, HIGP-1871, doi: 10.1130/2011.2483(25).
- 8020 Wagner, D., X. Pochon, L. Irwin, R. J. Toonen, and R. D. Gates, 2011, Azooxanthellate? Most Hawaiian black corals contain Symbiodinium, *Proc. R. Soc.*, 278, 1323-1329.
- 8021 Zhan, R., Y. Wang, and X. Lei, 2011, Contributions of ENSO and East Indian Ocean SSTA to the interannual variability of tropical cyclone frequency, *J. Climate*, 24, 509-521, IPRC-721, doi: 10.1175/2010JCLI3808.1.
- 8022 Hsu, P.-C., T. Li, and C.-H. Tsou, 2011, Interactions between boreal summer intraseasonal oscillations and synoptic-scale disturbances over the Western North Pacific. Part I: Energetics diagnosis, *J. Climate*, 24(3), 927-941, IPRC-722.
- 8023 Hsu, P.-C., and T. Li, 2011, Interactions between boreal summer intraseasonal oscillations and synoptic-scale disturbances over the Western North Pacific. Part II: Apparent heat and moisture sources and eddy momentum transport, *J. Climate*, 24(3), 942-961, IPRC-723.
- 8024 DiBattista, J. D., and K. A. Feldheim, 2010, Isolation and characterization of eight microsatellite loci in *Chaetodon ornatissimus* and cross-amplification in a sympatric sister species, *Chaetodon meyeri*, *Conserv. Genet. Resour.*, 3(2), 213-216, doi: 10.1007/s12686-010-9325-z.
- 8025 Blewett, D. T., E. I. Coman, B. R. Hawke, J. J. Gillis-Davis, M. E. Purucker, and C. G. Hughes, 2011, Lunar swirls: Examining crustal magnetic anomalies and space weathering trends, *J. Geophys. Res.-Planets*, 116(E2), E02002, doi: 10.1029/2010JE003656, HIGP-1872.
- 8026 Rivera, M. A. J., K. R. Andrews, D. R. Kobayashi, J. Wren, C. Kelley, G. K. Roderick and R. J. Toonen, 2011, Genetic analyses and simulations of larval dispersal reveal distinct populations and directional connectivity across the range of the Hawaiian

- Grouper (*Epinephelus quernus*), *J. Mar. Biol.*, Article ID 765353, doi: 10.1155/2011/765353.
- 8027 Schultz, J. K., J. M. O'Malley, E. E. Kehn, J. J. Polovina, F. A. Parrish, and R. K. Kosaki, 2011, Tempering expectations of recovery for previously exploited populations in a fully protected marine reserve, *J. Mar. Biol.*, Article ID 749131, doi: 10.1155/2011/749131.
- 8028 Salerno, J., D. Reineman, R. D. Gates, and M. Rappe, 2011, The effect of a sub-lethal temperature elevation on the structure of bacterial communities associated with the coral *Porites compressa*, *J. Mar. Biol.*, Article ID 969173, doi: 10.1155/2011/969173.
- 8029 Menviel, L., A. Timmermann, O. Elison Timm, A. Mouchet, A. Abe-Ouchi, M.O. Chikamoto, N. Harada, R. Ohgaito, and Y. Okazaki, 2012, Removing the North Pacific halocline: Effects on global climate, ocean circulation and the carbon cycle, *Deep-Sea Res. II*, 61, 106-113, IPRC-724, doi: 10.1016/j.dsr2.2011.03.005.
- 8030 Nakamura, M., M. Kadota, and S. Yamane, 2010, Quasi-geostrophic transient wave activity flux: Updated climatology and its role in polar vortex anomalies, *J. Atmos. Sci.*, 67, 3164-3189, IPRC-725.
- 8031 Murakami, H., B. Wang, and A. Kitoh, 2011, Future change of western North Pacific typhoons: Projections by a 20-km-mesh global atmospheric model, *J. Climate*, 24, 1154-1169, IPRC-727, doi: <http://dx.doi.org/10.1175/2010JCLI3723.1>.
- 8032 Kilpatrick, T., N. Schneider, and E. Di Lorenzo, 2011, Generation of low-frequency spiciness variability in the thermocline, *J. Phys. Oceanogr.*, 41(2), 365-377, IPRC-726, doi: 10.1175/2010JPO4443.1.
- 8033 Schultz, J. K., B. L. Becker, T. C. Johanos, J. U. Lopez, and L. Kashinsky, 2010, Dizygotic twinning in the Hawaiian monk seal, *J. Mammal.*, 92(2), 336-341, doi: <http://dx.doi.org/10.1644/10-MAMM-A-275.1>.
- 8034 Blacic, T., G. Ito, A. K. Shah, J. P. Canales, and J. Lin, 2008, Axial high topography and partial melt in the crust and mantle beneath the Western Galapagos Spreading Center, *Geochem. Geophys. Geosys.*, 9(12), Q12005, doi: 10.1029/2008GC002100.
- 8035 Xie, S.-P., L.-X. Xu, Q. Liu, and F. Kobashi, 2011, Dynamical role of mode-water ventilation in decadal variability in the central subtropical gyre of the North Pacific, *J. Climate*, 24, 1212-1225, IPRC-728.
- 8036 Gao, J.-Y., and T. Li, 2010, Factors controlling multiple tropical cyclone events in the western North Pacific, *Mon. Weather Rev.*, 139(3), 885-894, IPRC-729, doi: 10.1175/2010MWR3340.1.
- 8037 Du, Y., L. Yang, and S.-P. Xie, 2011, Tropical Indian Ocean influence on Northwest Pacific tropical cyclones in summer following strong El Niño, *J. Climate*, 24, 315-322, IPRC-730.
- 8038 Yim, S.-Y., J.-G. Jhun, R. Lu, and B. Wang, 2010, Two distinct patterns of spring Eurasian snow cover anomaly and their impacts on the East Asian summer monsoon, *J. Geophys. Res.-Atmos.*, 115(D22), D22113, IPRC-731, doi: 10.1029/2010JD013996.
- 8039 Waller, R. G., K. M. Scanlon, and L. F. Robinson, 2011, Cold-water coral distributions in the Drake Passage area from towed camera observations—Initial interpretations, *PLOS ONE*, 6(1), e16153, doi: 10.1371/journal.pone.0016153.

- 8040 Zhou, X., B. Wang, X. Ge, and T. Li, 2011, Impact of secondary eyewall heating on tropical cyclone intensity change, *J. Atmos. Sci.*, 68, 450-456, IPRC-735, doi: 10.1175/2010JAS3624.1.
- 8041 Thompson, A. F., P. H. Haynes, C. Wilson, and K. J. Richards, 2010, Rapid Southern Ocean front transitions in an eddy-resolving ocean GCM, *Geophys. Res. Lett.*, 37, L23602, IPRC-732, doi: 10.1029/2010GL045386.
- 8042 Chen, J., T. Qu, Y. N. Sasaki, and N. Schneider, 2010, Anti-correlated variability in subduction rate of the western and eastern North Pacific Oceans identified by an eddy-resolving ocean GCM, *Geophys. Res. Lett.*, 37, L23608, IPRC-733, doi: 10.1029/2010GL045239.
- 8043 Menviel, L., A. Timmermann, O. Elison Timm, A. Mouchet, 2010, Climate and biogeochemical response to a rapid melting of the West-Antarctic Ice Sheet during interglacials and implications for future climate, *Paleoceanogr.*, 25(4), PA4231, IPRC-734, doi: 10.1029/2009PA001892.
- 8044 Forsman, Z. H., G. T. Concepcion, R. D. Haverkort, R. W. Shaw, J. E. Maragos, and R. J. Toonen, 2010, Ecomorph or endangered coral? DNA and microstructure reveal Hawaiian species complexes: *Montipora dilatata/flabellata/turgescens* and *M. patula/verrilli*, *PLOS ONE*, 5(12), e15021, doi: 10.1371/journal.pone.0015021.
- 8045 Ito, G., and P. E. van Keken, 2007, Hot spots and melting anomalies, in Bercovici, D. (ed.), *Mantle Dynamics*, Elsevier, Treatise on Geophysics, Vol. 7, p. 371-435, doi: 10.1016/B978-044452748-6.00123-1.
- 8046 Behn, M. D., and G. Ito, 2008, Magmatic and tectonic extension at mid-ocean ridges: 1. Controls on fault characteristics, *Geochem. Geophys. Geosys.*, 9(8), Q08O10, doi:10.1029/2008GC001965.
- 8047 Szabó, Z., B. K. Kimokeo, R. J. Toonen, and J. E. Randall, 2011, On the status of the Hawaiian seahorses *Hippocampus hilonis*, *H. histrix* and *H. fisheri* (Syngnathidae), *Mar. Biol. Res.*, 7(7), 701-709.
- 8048 Lin, A.-L., T. Li, X. Fu, J.-J. Luo, and Y. Masumoto, 2011, Effects of air-sea coupling on the boreal summer intraseasonal oscillations over the Tropical Indian Ocean, *Clim. Dyn.*, 37(11-12), 2303-2322, IPRC-736, doi: 10.1007/s00382-010-0943-7.
- 8049 Skillings, D. J., C. E. Bird, and R. J. Toonen, 2011, Gateways to Hawai'i: Genetic population structure of the tropical sea cucumber *Holothuria atra*, *J. Mar. Biol.*, Article ID 783030, doi: 10.1155/2011/783030.
- 8050 Kawatani, Y., K. Hamilton, and S. Watanabe, 2011, The quasi-biennial oscillation in a double CO<sub>2</sub> climate, *J. Atmos. Sci.*, 68, 265-283, IPRC-737.
- 8051 Toonen, R. J., et al. [K. R. Andrews, C. E. Bird, G. T. Concepcion, T. S. Daly-Engel, J. A. Eble, M. R. Gaither, M. Iacchei, J. B. Puritz, J. K. Schultz, D. J. Skillings, B. W. Bowen], 2011, Defining boundaries for ecosystem-based management: A multispecies case study of marine connectivity across the Hawaiian Archipelago, *J. Mar. Biol.*, Article ID 460173, doi: 10.1155/2011/460173.
- 8052 Badgley, B. D., F. I. M. Thomas, and V. J. Harwood, 2011, Quantifying environmental reservoirs of fecal indicator bacteria associated with sediment and submerged aquatic vegetation, *Environ. Microbiol.*, 13, 932-942, doi: 10.1111/j.1462-2920.2010.02397.x.

- 8053 Gao, S., T. Qu, and I. Fukumori, 2011, Effects of mixing on the subduction of South Pacific waters identified by a simulated passive tracer and its adjoint, *Dyn. Atmos. Oceans*, 51, 45-54, IPRC-738.
- 8054 Cahill, J. T. S., P. G. Lucey, K. R. Stockstill-Cahill, and B. R. Hawke, 2010, Radiative transfer modeling of near-infrared reflectance of lunar highland and mare soils, *J. Geophys. Res.-Planets*, 115(E12), E12013, doi: 10.1029/2009JE003500.
- 8055 Bray, V. J., et al. [B. R. Hawke, T. A. Giguere], 2010, New insight into lunar impact melt mobility from the LRO camera, *Geophys. Res. Lett.*, 37, L21202, doi: 10.1029/2010GL044666.
- 8056 Hamilton, C. W., S. A. Fagents, and T. Thordarson, 2010, Lava-ground ice interactions in Elysium Planitia, Mars: Geomorphological and geospatial analysis of the Tartarus Colles cone groups, *J. Geophys. Res.-Planets*, 116(E3), E03004, HIGP-1875, doi: 10.1029/2010JE003657.
- 8057 Koeppen, W., C., R. Wright, and E. Pilger, 2011, Time series analysis of infrared satellite data for detecting thermal anomalies: a hybrid approach, *Bull. Volcanol.*, 73, 577-593, HIGP-1876, doi: 10.1007/s00445-010-0427-y.
- 8058 Jayakumar, A., et al. [J. P. McCreary], 2011, Processes controlling the surface temperature signature of the Madden-Julian Oscillation in the thermocline ridge of the Indian Ocean, *Clim. Dyn.*, 37(11-12), 2217-2234, IPRC-739.
- 8059 McGregor, S., and A. Timmermann, 2011, The effect of explosive tropical volcanism on ENSO, *J. Climate*, 24, 2178-2191, IPRC-740, doi: 10.1175/2010JCLI3990.1.
- 8060 Fudeyasu, H., and Y. Wang, 2011, Balanced contribution to the intensification of a tropical cyclone simulated in TCM4: Outer core spin-up process, *J. Atmos. Sci.*, 68, 430-449, IPRC-741, doi: 10.1175/2010JAS3523.1.
- 8061 DiBattista, J. D., C. Wilcox, M. T. Craig, L. A. Rocha, and B. W. Bowen, 2011, Phylogeography of the Pacific blue-lined surgeonfish, *Acanthurus nigroris*, reveals high genetic connectivity and a cryptic endemic species in the Hawaiian archipelago, *J. Mar. Biol.*, Article ID 839134, doi: 10.1155/2011/839134.
- 8062 Randall, J. E., J. D. DiBattista, and C. Wilcox, 2011, *Acanthurus nigros* Günther, a valid species of surgeonfish, distinct from the Hawaiian *A. nigroris Valenciennes*, *Pac. Sci.*, 65(2), 265-275, doi: <http://dx.doi.org/10.2984/65.2.265>.
- 8063 Xiang, B., W. Yu, T. Li, and B. Wang, 2011, The critical role of the boreal summer mean state in the development of the IOD, *Geophys. Res. Lett.*, 38, L02710, IPRC-742, doi: 10.1029/2010GL045851.
- 8064 Zhou, X., and B. Wang, 2011, Mechanism of concentric eyewall replacement cycles and associated intensity change, *J. Atmos. Sci.*, 68(5), 972-988 IPRC-743, doi: 10.1175/2011JAS3575.1,.
- 8065 Timm, O. E., H. F. Diaz, T. W. Giambelluca, and M. Takahashi, 2011, Projection of changes in the frequency of heavy rain events over Hawaii based on leading Pacific climate modes, *J. Geophys. Res.-Atmos.*, 116(D4), D04109, IPRC-744.
- 8066 Ding, Q., B. Wang, J. M. Wallace, and G. Branstator, 2011, Tropical-extratropical teleconnections in boreal summer: observed interannual variability, *J. Climate*, 24, 1878-1896, IPRC-745, doi: 10.1175/2011JCLI3621.1.

- 8067 Stopa, J. E., K. F. Cheung, M. A. Garces, and D. E. Fee, 2011, Microbaroms source from hurricane waves, *Geophys. Res. Lett.*, 38(5), L5602, doi: 10.1029/2010GL046390.
- 8068 Li, Y.-H., 2011, Partition of elements between solid and liquid phases in aquatic environments, *Aquat. Geochem.*, 17(4-5), 697-725.
- 8069 Sasaki, Y., and N. Schneider, 2011, Decadal shifts of the Kuroshio Extension jet: Application of thin-jet theory, *J. Phys. Oceanogr.*, 41(5), 979-993, IPRC-746.
- 8070 Casas, E., J. Kim, A. Bendesky, L. Ohno-Machado, C. J. Wolfe, J. Yang, 2011, Snail2 is an essential mediator of Twist1-induced epithelial-mesenchymal transition and metastasis, *Cancer Res.*, 71, 245-254, doi: 10.1158/0008-5472.CAN-10-2330.
- 8071 Wolfe, C. J., et al., 2011, Mantle P-wave velocity structure beneath the Hawaiian hot spot, *Earth Planet. Sci. Lett.*, 303(3-4), 267-280, <http://dx.doi.org/10.1016/j.epsl.2011.01.004>.
- 8072 Heinemann, M., A. Timmermann, and U. Feudel, 2011, Interactions between marine biota and ENSO: A conceptual model analysis, *Nonlin. Processes Geophys.*, 18, 29-40, IPRC-747.
- 8073 Nozaka, T., and P. Fryer, 2011, Alteration of the oceanic lower crust at a slow-spreading axis: Insight from vein-related zoned halos in Olivine Gabbro from Atlantis Massif, Mid-Atlantic Ridge, *J. Petrol.*, 52(4), 643-664, doi: 10.1093/petrology/egq098.
- 8074 Christie, M. R., et al. [Y. Jia], 2010, Larval connectivity in an effective network of marine protected areas, *PLOS ONE*, 5(12), e15715, IPRC-748.
- 8075 Dohan, K., and N. Maximenko, 2010, Monitoring ocean currents with satellite sensors, *Oceanogr.*, 24(4), 94-103, IPRC-749.
- 8076 Apprill, A., and M.S. Rappé, 2011, Response of the microbial community to coral spawning in lagoon and reef flat environments of Hawaii, USA, *Aquat. Microb. Ecol.*, 62(3), 251-266, doi: 10.3354/ameo01471.
- 8077 Hédouin, L., M. Metian, and R. D. Gates, 2011, Contamination of a Hawaiian coral reef ecosystem (Honolua Bay, Maui) by metals and a metalloid: An ecotoxicological and ecological study, *Mar. Environ. Res.*, 71, 149-161, HIMB 1430.
- 8078 Puritz, J. B., and R. J. Toonen, 2011, Coastal pollution limits pelagic larval dispersal, *Nature Commun.*, 2, Article No. 226, doi: 10.1038/ncomms1238.
- 8079 Das, S., and K. F. Cheung, 2012, Scattered waves and motion of marine vessels advancing in a seaway, *Wave Motion*, 49(1), 181-197.
- 8080 Christman G.D., M. T. Cottrell, B. N. Popp, E. Gier, and D. L. Kirchman, 2011, Abundance, diversity, and activity of ammonia-oxidizing prokaryotes in the coastal arctic Ocean in summer and winter, *Appl. Environ. Microbiol.*, 77 (6), 2026-2034, doi: 10.1128/AEM.01907-10.
- 8081 Conrad, C.P., T. A. Bianco, E. I. Smith, and P. Wessel, 2011, Patterns of intraplate volcanism controlled by asthenospheric shear, *Nature Geosci.*, 4(5), 317-321.
- 8082 Dykes, A. C., L. Kamemoto, A. K. Misra, and S. K. Sharma, 2011, Nitrocellulose-based SERS immunosensor for detection of biological molecules, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology VIII*, Proc. SPIE 8025, 802503 (26 May 2011), doi: 10.1117/12.884369.

- 8083 Zellmer, G. F., et al. [K. H. Rubin], 2011, Crystal growth during dike injection of MOR basaltic melts: evidence from preservation of local Sr disequilibria in plagioclase, *Contrib. Mineral. Petrol.*, 161(1), 153-173, doi: 10.1007/s00410-010-0518-y.
- 8084 Schmitt, A. K., et al. [K. H. Rubin, G. F. Zellmer], 2011, Rapid cooling rates at an active mid-ocean ridge from zircon thermochronology, *Earth Planet. Sci. Lett.*, 302, 349-358, doi: 10.1016/j.epsl.2010.12.022.
- 8085 Goss, A. R., et al. [K. H. Rubin], 2010, Geochemistry of lavas from the 2005-2006 eruption at the East Pacific Rise, 9°46'N-9°56'N: Implications for ridge crest plumbing and decadal changes in magma chamber compositions, *Geochem. Geophys. Geosyst.*, 11(5), Q05T09, doi: 10.1029/2009GC00297.
- 8086 Rubin, K. H., 2009, Depleted uranium, natural uranium and other naturally occurring radioactive elements in Hawaiian environments, US Army/NDCEE-CR-2009-072 (Requests for this document shall be referred to: Office of the Assistant Secretary of the Army for Installations and Environment ASA (I&E)-ESOH 1235 South Clark Street Crystal Gateway 1, Suite 307 Arlington, VA 22202-3263).
- 8087 Eble, J. A., et al. [R. J. Toonen, Y. P. Papastamatiou, B. W. Bowen], 2011, Escaping paradise: Larval export from Hawaii in an Indo-Pacific reef fish, the yellow tang *Zebrasoma flavescens*, *Mar. Ecol. Prog. Ser.*, 428, 245-258, HIMB-1433, doi: 10.3354/meps09083.
- 8088 Ruttenberg, K. C., and D. J. Sulak, 2011, Sorption and desorption of dissolved organic phosphorus onto iron (oxyhydr)oxides in seawater, *Geochim. Cosmochim. Acta*, 75(15), 4095-4112, doi: 10.1016/j.gca.2010.10.033.
- 8089 Lee, S.-S., et al. [J.-Y. Lee, B. Wang, F.-F. Jin], 2011, A comparison of climatological subseasonal variations in the wintertime storm track activity between the North Pacific and Atlantic: Local energetics and moisture effect, *Clim. Dyn.*, 37(11-12), 2455-2469, IPRC-750, doi: 10.1007/s00382-011-1027-z.
- 8090 Johnson, N. C., and S.-P. Xie, 2010, Changes in the sea surface temperature threshold for tropical convection, *Nature Geosci.*, 3(12), 842-845, IPRC-751.
- 8091 Taylor, B., et al. [J. R. Weiss], 2011, The structures, stratigraphy and evolution of the Gulf of Corinth rift, Greece, *Geophys. J. Int.*, 185(3), 1189-1219, doi: 10.1111/j.1365-246X.2011.05014.x.
- 8092 Righi, M., et al. [A. Lauer], 2011, Climate impact of biofuels in shipping: global model studies of the aerosol indirect effect, *Environ. Sci. Technol.*, 45(8), 3519-3525, IPRC-752, doi: 10.1021/es1036157.
- 8093 Tokinaga, H., and S.-P. Xie, 2011, Weakening of the equatorial Atlantic cold tongue over the past six decades, *Nature Geosci.*, 4(4), 222-226, IPRC-753, doi: 10.1038/ngeo1078.
- 8094 Hsu, P.-C., T. Li, and B. Wang, 2011, Trends in global monsoon area and precipitation over the past 30 years, *Geophys. Res. Lett.*, 38, L08701, IPRC-754, doi: 10.1029/2011GL046893.
- 8095 Small, A. A., J. B. Stefik, J. Verlinde, and N. C. Johnson, 2011, The cloud hunter's problem: An automated decision algorithm to improve the productivity of scientific data collection in stochastic environments, *Mon. Weather Rev.*, 139(7), 2276-2289,

- IPRC-755, doi: 10.1175/2010MWR3576.1.
- 8096 Menviel, L., A. Timmermann, O. Elison Timm, and A. Mouchet, 2011, Deconstructing the last glacial termination: The role of millennial and orbital-scale forcings, *Quaternary Sci. Rev.*, 30(9-10), 1155-1172, IPRC-756.
- 8097 Kug, J.-S., K.P. Sooraj, T. Li, F.-F. Jin, and I.-S. Kang, 2010, Precursors of the El Niño/La Niña onset and their inter-relationship, *J. Geophys. Res.-Atmos.*, 115(D5), D05106, IPRC-757, doi: 10.1029/2009JD012861.
- 8098 Hendricks, E.A., M. S. Peng, B. Fu, and T. Li, 2010, Quantifying environmental control on tropical cyclone intensity change, *Mon. Weather Rev.*, 138(8), 3243-3271, IPRC-758.
- 8099 Rong, X., R. Zhang, and T. Li, 2010, Impacts of Atlantic SST anomalies on the Indo-East Asian summer monsoon-ENSO relationship, *Chin. Sci. Bull.*, 55, 1397-1408, IPRC-759.
- 8100 Wen, M., T. Li, R. Zhang, and Y. Qi, 2010, Structure and origin of the quasi-biweekly oscillation over the tropical Indian Ocean in boreal spring, *J. Atmos. Sci.*, 67(6), 1965-1982, IPRC-760.
- 8101 Su, J., R. et al. [T. Li,], 2010, Causes of the El Niño and La Niña amplitude asymmetry in the equatorial eastern Pacific, *J. Climate*, 23(3), 605-617, IPRC-761.
- 8102 Bird, C. E., B. S. Holland, B. W. Bowen, and R. J. Toonen, 2011, Diversification of sympatric broadcast-spawning limpets (*Cellana* spp.) within the Hawaiian archipelago, *Molec. Ecol.*, 20(10), 2128-2141, doi: 10.1111/j.1365-294X.2011.05081.x.
- 8103 Seo, H., and S.-P. Xie, 2011, Response and impact of equatorial ocean dynamics and tropical instability waves in the tropical Atlantic under global warming: A regional coupled downscaling study, *J. Geophys. Res.-Oceans*, 116(C3), C03026, IPRC-788, doi: 10.1029/2010JC006670.
- 8104 Qu, T., S. Gao, and I. Fukumori, 2011, What governs the North Atlantic salinity maximum in a global GCM? *Geophys. Res. Lett.*, 38, L07602, IPRC-763, doi: 10.1029/2011GL046757.
- 8105 Tanimoto, Y., T. Kanenari, H. Tokinaga, and S.-P. Xie, 2011, Sea level pressure minimum along the Kuroshio and its extension, *J. Climate*, 24, 4419-4434, IPRC-764, doi: <http://dx.doi.org/10.1175/2011JCLI4062.1>.
- 8106 Meibom, A., et al. [A. N. Krot, K. Keil], 2005, Shock melts in QUE 94411, Hammadah al Hamra 237, and Bencubbin: Remains of the missing matrix? *Meteorit. Planet. Sci.*, 40(9-10), 1377-1391, HIGP-1879, doi: 10.1111/j.1945-5100.2005.tb00408.x.
- 8107 Yamazaki, Y. and K. F. Cheung, K.F, 2011, Shelf resonance and impact of near-field tsunami generated by the 2010 Chile Earthquake, *Geophys. Res. Lett.*, 38, doi: 10.1029/2011GL046988.
- 8108 Drazen, J. C., J. Yeh, J. R. Friedman, and N. Condon, 2011, Metabolism and enzyme activities of hagfish from shallow and deep water of the Pacific Ocean, *Comp. Biochem. Physiol. A. Mol. Integr. Physiol.*, 159(2), 182-187.
- 8109 Richter, I., S.-P. Xie, A. T. Wittenberg, and Y. Masumoto, 2012, Tropical Atlantic biases and their relation to surface wind stress and terrestrial precipitation, *Clim. Dyn.*,



- 38, 985-1001, doi: 10.1007/s00382-011-1038-9, IPRC-765.
- 8110 Song, Y. T., and T. Qu, 2011, Multiple satellite missions confirming the theory of seasonal oceanic variability in the northern North Pacific, *Mar. Geodesy*, 34(3-4), 477-490, IPRC-766, doi: 10.1080/01490419.2011.590110.
- 8111 Moore, G. F., D. Saffer, M. Studer, and P. Costa Pisani, 2011, Structural restoration of thrusts at the toe of the Nankai Trough accretionary prism off Shikoku Island, Japan: Implications for dewatering processes, *Geochem. Geophys. Geosyst.*, 12, Q0AD12, doi: 10.1029/2010GC003453.
- 8112 Nagothu, U. S., V. Geetha Lakshimi, H. Annamalai, and A. Lakshmanan, 2011, *Sustainable Rice Production on a Warmer Planet: Linking Science, Stakeholders and Policy*, New Delhi, Macmillan Publ. India, Ltd., IPRC-767.
- 8113 Lee, S., T. Gong, N. Johnson, S. Feldstein, and D. Pollard, 2011, On the possible link between tropical convection and the Northern Hemisphere Arctic surface air temperature change between 1958 and 2001, *J. Climate*, 24, 4350-4367, IPRC-768, doi: 10.1175/2011JCLI4003.1.
- 8114 Anchieta, M. C., C. J. Wolfe, G. L. Pavlis, F. L. Vernon, J. A. Eakins, S. C. Solomon, G. Laske, J. A. Collins, 2011, Seismicity around the Hawaiian Islands recorded by the PLUME seismometer networks: Insight into faulting near Maui, Molokai, and Oahu, *Bull. Seis. Soc. Am.*, 101(4), 1742-1758, HIGP-1844.
- 8115 Oswald, J. N., W. W. L. Au, and F. Dunnebeir, 2011, Minke whale (*Balaenoptera acutorostrata*) boings detected at the Station Aloha cabled observatory, *J. Acoust. Soc. Am.*, 129(5), 3353-3360, HIMB-1346.
- 8116 Takabayashi, M., L. M. Adams, X. Pochon, and R. D. Gates, 2012, Genetic diversity of free-living *Symbiodinium* in surface water and sediment of Hawaii and Florida, *Coral Reefs*, 31, 157-167, HIMB-1437.
- 8117 Void (no publication information available).
- 8118 Mackenzie, F. T., E. H. De Carlo, and A. Lerman, 2011, Coupled C, N, P, and O biogeochemical cycling at the land-ocean interface, in Wolanski, E., and D. S. McLusky (eds.), *Treatise on Estuarine and Coastal Science*, Vol. 5, Academic Press, Waltham, p. 317-342.
- 8119 Liu, L., W. Yu, and T. Li, 2011, Dynamic and thermodynamic air-sea coupling associated with the Indian Ocean dipole diagnosed from 23 WCRP CMIP3 models, *J. Climate*, 24, 4941-4958, IPRC-769, doi: 10.1175/2011JCLI4041.1.
- 8120 Zhang, S.-J., W. Liu, S.-P. Xie, and X. Meng, 2011, The formation of a surface anticyclone over Yellow and East China Seas in spring, *J. Meteor. Soc. Japan*, 89, 119-131, IPRC-770, doi: 10.2151/jmsj.2011-202.
- 8121 Drazen, J. C., L. G. De Forest, and R. Domokos, 2011, Micronekton abundance and biomass in Hawaiian waters as influenced by seamounts, eddies, and the moon, *Deep-Sea Res. I*, 58(5), 557-566.
- 8122 Kosaka, Y., S.-P. Xie, and H. Nakamura, 2011, Dynamics of interannual variability in summer precipitation over East Asia, *J. Climate*, 24(20), 5435-5453, IPRC-771.
- 8123 Kosaka, Y., 2011, The Silk Road pattern revisited, *Tenki (Bull. Meteorol. Soc. Japan)*,

- 58(6), 519-531, IPRC-772.
- 8124 Misra, A., et al. [A. C. Dykes, P. V. Zinin, S. K. Sharma], 2011, Micro-Raman spectroscopy study of ALVAC virus infected chicken embryo cells, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology VIII*, Proc. SPIE 8025, 80250C (26 May 2011), doi: 10.1117/12.887165.
- 8125 Sharma, S. K., A. C. Dykes, A. K. Misra, L. e. Kamemoto, and D. Bates, 2011, Raman discrimination of bacterial strains using multilayered microcavity substrates, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology VIII*, Proc. SPIE 8025, 802508 (26 May 2011), doi: 10.1117/12.884293.
- 8126 Misra, A. K., S. K. Sharma, T. E. Acosta, and D. E. Bates, 2011, Compact remote Raman and LIBS system for detection of minerals, water, ices and atmospheric gases for planetary exploration, in Druy, M. A., and R. A. Crocombe (eds.), *Next-Generation Spectroscopic Technologies IV*, Proc. SPIE 8032, 80320Q (12 May 2011), doi: 10.1117/12.884392.
- 8127 Chung, P.-H., C.-H. Sui, and T. Li, 2011, Interannual relationships between the tropical SST and summertime subtropical anticyclone over the western North Pacific, *J. Geophys. Res.-Atmos.*, 116(D13), D13111, IPRC-773, doi: 10.1029/2010JD015554.
- 8128 Li, J., et al. [S.-P. Xie, F. Liu, J. Ma], 2011, Interdecadal modulation of El Niño amplitude during the past millennium, *Nature Clim. Change*, 1(2), 114-118, IPRC-774.
- 8129 Arinaga, R. A., and K. F. Cheung, 2012, Atlas of global wave energy from 10 years of reanalysis and hindcast data, *Renew. Energ.*, 39(1), 49-64, doi: 10.1016/j.renene.2011.06.039.
- 8130 Wang, L., Y. Wang, A. Lauer, and S.-P. Xie, 2011, Simulation of seasonal variation of marine boundary layer clouds over the eastern Pacific with a regional climate model, *J. Climate*, 24(13), 3190-3210, IPRC-775.
- 8131 Wagner, D., R. G. Waller, and R. J. Toonen, 2011, Sexual reproduction of Hawaiian black corals, with a review of the reproduction of antipatharians (Cnidaria: Anthozoa: Hexacorallia), *Invertebr. Biol.*, 130(3), 211-225, HIMB-1440, doi: 10.1111/j.1744-7410.2011.00233.x.
- 8132 Zinin, P. V., et al. [A. K. Misra, S. K. Sharma], 2011, Raman spectroscopy of HIV-1 antigen and antibody, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology VIII*, Proc. SPIE 8025, 80250D (26 May 2011), doi: 10.1117/12.887169.
- 8133 Padmanabhan, B., and R. C. Ertekin, 2011, Interaction of waves with a steady intake/discharge flow emanating from a 3-D body, *J. Offshore Mech. Arctic Eng.*, Trans. ASME, 133(4), 041101-1 to 041101-10.
- 8134 Neal, L., S. L. Hardy, C. R. Smith, and A. G. Glover, 2011, Polychaete species diversity on the West Antarctic Peninsula deep continental shelf, *Mar. Ecol. Prog. Ser.*, 428, 119-134, doi: 10.3354/meps09012.
- 8135 Yeh, H.-C., and X. Fu, 2011, Incorporating additional sounding observations in weather analysis and rainfall prediction during intensive observing period of 2006 TWP-ICE, *Terr. Atmos. Ocean. Sci.*, 22(4), 421-434, IPRC-776, doi: 10.3319/TAO.2011.04.11.01(A).

- 8136 Sasaki, Y. N., and N. Schneider, 2011, Interannual to decadal Gulf Stream variability in an eddy-resolving ocean model, *Ocean Model.*, 39(3-4), 209-219, IPRC-777.
- 8137 O'Malley, J. M., 2011, Spatiotemporal variation in the population ecology of scaly slipper lobsters *Scyllarides squammosus* in the Northwestern Hawaiian Islands, *Mar. Biol.*, 158(8), 1887-1901, HIMB-1443.
- 8138 Ito, G., and M. D. Behn, 2008, Magmatic and tectonic extension at mid-ocean ridges: 2. Origin of axial morphology, *Geochem. Geophys. Geosys.*, 9(9), Q09O12, doi:10.1029/2008GC001970.
- 8139 Dewan, A. K., and T. C. Tricas, 2011, Arginine vasotocin neuronal phenotypes and their relationship to aggressive behavior in the territorial monogamous multiband butterflyfish, *Chaetodon multicinctus*, *Brain Res.*, 1401, 74-84, HIMB-1443.
- 8140 Ogliore, R. C., G. R. Huss, and K. Nagashima, 2011, Ratio estimation in SIMS analysis, *Nucl. Instrum. Meth. B*, 269, 1910-1918, HIGP-1886.
- 8141 Zhang, C., Y. Wang, and K. Hamilton, 2011, Improved representation of boundary layer clouds over the Southeast Pacific in WRF-ARW using a modified Tiedtke cumulus parameterization scheme, *Mon. Weather Rev.*, 139(11), 3489-3513, IPRC-778.
- 8142 Aquila, V., et al. [J. Hendricks], 2011, MADE-in: A new aerosol microphysics submodel for global simulation of insoluble particles and their mixing state, *Geosci. Model Develop.*, 4(2), 325-355, IPRC-779, doi: 10.5194/gmd-4-325-2011.
- 8143 Wang J. D., W. Q. Wang, X. H. Fu, and K. H. Seo, 2011, Tropical intraseasonal rainfall variability in the CFSR, *Clim. Dyn.*, 38(11-12), 2191-2207, IPRC-780, doi: 10.1007/s00382-011-1087-0.
- 8144 Valet, J. P., and E. Herrero-Bervera, 2011, Time-averaged and mean axial dipole, in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book Ser. I, Springer Science+Business Media, Germany, p. 131-138, HIGP-1887, doi: 10.1007/978-94-007-0323-0\_9.
- 8145 Valet, J. P., and E. Herrero-Bervera, 2011, A few characteristic features of the geomagnetic field during reversals, in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book Ser. I, Springer Science+Business Media, Germany, p. 139-152, HIGP-1888, doi: 10.1007/978-94-007-0323-0\_10.
- 8146 Herrero-Bervera, E., G. Acton, D. Krása, S. Rodriguez, and M. J. Dekkers, 2011, Rock magnetic characterization through an intact sequence of oceanic crust, IODP Hole 1256D, in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book Ser. I, Springer Science+Business Media, Germany, p. 153-168, HIGP-1889, doi: 10.1007/978-94-007-0323-0\_11.
- 8147 Krása, D., E. Herrero-Bervera, G. Acton, and S. Rodriguez, 2011, Magnetic mineralogy of a complete oceanic crustal section (IODP Hole 1256D), in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book Ser. I, Springer Science+Business Media, p. 169-180, HIGP-1890, doi: 10.1007/978-94-007-0323-0\_12.
- 8148 Herrero-Bervera, E., and G. Acton, 2011, Absolute paleointensities from an intact section of oceanic crust cored at ODP/IODP site 1256 in the equatorial Pacific, in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book

- Ser. I, Springer Science+Business Media, p. 181-194, HIGP-1891, doi: 10.1007/978-94-007-0323-0\_13.
- 8149 Böhnel, H., E. Herrero-Bervera, and M. J. Dekkers, 2011, Paleointensities of the Hawaii 1955 and 1960 lava flows: Further validation of the multi-specimen method, in Pterovsky, E., et al. (eds.), *The Earth's Magnetic Interior*, IAGA Spec. Sopron Book Ser. I, Springer Science+Business Media, p. 195-212, HIGP-1892, doi: 10.1007/978-94-007-0323-0\_14.
- 8150 Bennartz, R., A. Lauer, and J.-L. Brenguier, 2011, Scale-aware integral constraints on autoconversion and accretion in regional and global climate models, *Geophys. Res. Lett.*, 38, L10809, IPRC-781.
- 8151 Maximenko, N., J. Hafner, and P. Niiler, 2011, Pathways of marine debris from trajectories of Lagrangian drifters, *Mar. Pollut. Bull.*, 65(1-3), 51-62, IPRC-782, doi: 10.1016/j.marpolbul.2011.04.016.
- 8152 Dale J. J., N. J. Wallsgrove, B. N. Popp, and K. N. Holland, 2011, Nursery habitat use and foraging ecology of the brown stingray, *Dasyatis lata*, determined from stomach content, bulk and amino acid stable isotope analysis, *Mar. Ecol. Prog. Ser.*, 433, 221-236.
- 8153 Kalansky, J. F., R. S. Robinson, and B. N. Popp, 2011, Insights into nitrogen cycling in the western Gulf of California from the nitrogen isotopic composition of diatom-bound organic matter, *Geochem. Geophys. Geosyst.*, 12(6), Q06015, doi: 10.1029/2010GC003437.
- 8154 Fu, X. H., B. Wang, J.-Y. Lee, W. Q. Wang, and L. Gao, 2011, Sensitivity of dynamical intra-seasonal prediction skills to different initial conditions, *Mon. Weather Rev.*, 139(8), 2572-2592, IPRC-783.
- 8155 Wang, G., S.-P. Xie, T. Qu, and R.-X. Huan, 2011, Deep South China Sea circulation, *Geophys. Res. Lett.*, 38, L05601, IPRC-784, doi: 10.1029/2010GL046626.
- 8156 Xu, H., M. Xu, S.-P. Xie, and Y. Wang, 2011, Deep atmospheric response to the spring Kuroshio Current over the East China Sea, *J. Climate*, 24, 4959-4972, IPRC-785.
- 8157 Xu, L. X., S.-P. Xie, Q. Liu, and F. Kobashi, 2012, Response of the North Pacific subtropical countercurrent and its variability to global warming, in Kubokawa, A., S.-P. Xie, F. Kobashi, and H. Mitsudera (eds.), *New Developments in Mode-Water Research: Dynamic and Climatic Effects*, Springer Japan, p. 135-145, IPRC-786, doi: 10.1007/978-4-431-54162-2\_10.
- 8158 Lubbecke, J. F., C. W. Boning, N. S. Keenlyside, and S.-P. Xie, 2010, On the connection between Benguela and equatorial Atlantic Ninos and the role of the South Atlantic anticyclone, *J. Geophys. Res.-Oceans*, 115(C9), C09015, IPRC-787, doi: 10.1029/2009JC005964.
- 8159 Mjelde, R., et al. [E. Mittelstaedt, G. Ito], 2008, Magmatic and tectonic evolution of the North Atlantic, *J. Geol. Soc.*, 165, 31-42, doi: 10.1144/0016-76492007-018
- 8160 Cheung, K. F., Y. Wei, Y. Yamazaki, and S. C. Yim, 2011, Modeling of 500-year tsunamis for probabilistic design of coastal infrastructure in the Pacific Northwest, *Coast. Eng.*, 58(10), 970-985, doi: 10.1016/j.coastaleng.2011.05.003.
- 8161 Rii, Y. M., et al. [S. L. Brown, D. M. Karl, R. R. Bidigare], 2008, The transient oasis:

- Nutrient-phytoplankton dynamics and particle export in Hawaiian lee cyclones, *Deep-Sea Res. II*, 55(10-13), 1275-1290, <http://dx.doi.org/10.1016/j.dsr2.2008.01.013>.
- 8162 Manghnani, M. H., et al. [A. Hushur], 2011, Raman, Brillouin, and NMR spectroscopic studies on shocked borosilicate glass, *J. Appl. Phys.*, 109(11), 113509-113509-6, HIGP-1888, doi: 10.1063/1.3592346.
- 8163 Friedrich, T., A. Timmermann, T. Decloedt, D. Luther, and A. Mouchet, 2011, The effect of topography-enhanced diapycnal mixing on ocean and atmospheric circulation and marine biogeochemistry, *Ocean Model.*, 39(3-4), 262-274, IPRC-789.
- 8164 Paret, M. L., S. K. Sharma, and A. M. Alvarez, 2012, Characterization of bio-fumigated *Ralstonia solanacearum* using micro-Raman spectroscopy and electron microscopy, *Phytopathol.*, 102(1), 105-113, HIGP-1889, doi: 10.1094/PHYTO-12-10-0330.
- 8165 Kramer, G. Y., et al. [B. R. Hawke, T. A. Giguere], 2011, Characterization of lunar swirls at Mare Ingenii: A model for space weathering at magnetic anomalies, *J. Geophys. Res.-Planets*, 116(E4), E04008, HIGP-1890, doi: 10.1029/2010JE003669.
- 8166 Bird, C. E., 2011, Morphological and behavioral evidence for adaptive diversification of sympatric Hawaiian limpets (*Cellana* spp.), *Integr. Comp. Biol.*, 51(3), 466-473.
- 8167 Bird, C. E., S. A. Karl, P. E. Smouse, and R. J. Toonen, 2011, Detecting and measuring genetic differentiation, in Koenemann, S., C. Schubart, and C. Held (eds.), *Crustacean Issues 19: Phylogeography and Population Genetics in Crustacea*, CRC Press, p. 31-55.
- 8168 Arai, T., et al. [B. R. Hawke, T. A. Giguere], 2010, Antarctic lunar meteorites Yamoto-793169, Asuka-881757, MIL 05035, and MET 01210 (YAMM): Launch pairing and possible cryptomare origin, *Geochim. Cosmochim. Acta*, 74(7), 2231-2248, <http://dx.doi.org/10.1016/j.gca.2009.11.019>.
- 8169 Connolly H. C., Jr., and G. R. Huss, 2010, Compositional evolution of the protplanetary disk: Oxygen isotopes of type-II chondrules from CR2 chondrites, *Geochim. Cosmochim. Acta*, 74(8), 2473-2483, HIGP-1853.
- 8170 Crawford, I.A., S. A. Fagents, K. H. Joy, and M. E. Rumpf, 2010, Lunar palaeoregolith deposits as recorders of the galactic environment of the Solar Systems and implications for astrobiology, *Earth, Moon, Planets*, 107(1), 75-85.
- 8171 Donne, D. D., A. J. L. Harris, M. Ripepe, and R. Wright, 2010, Earthquake induced thermal anomalies at active volcanoes, *Geology*, 38, 771-774.
- 8172 Drob, D. P., R. R. Meier, J. M. Picone, and M A. Garcés, 2010, Inversion of infrasound signals for passive atmospheric remote sensing, in Le Pichon, A. (ed.), *Infrasound Monitoring for Atmospheric Studies*, Springer, Netherlands, p. 701-731, doi: 10.1007/978-1-4020-9508-5\_24.
- 8173 Garcés, M., M. Willis, and A. Le Pichon, 2010, Infrasonic observations of open ocean swells in the Pacific: Deciphering the song of the sea, in Le Pichon, A. (ed.), *Infrasound Monitoring for Atmospheric Studies*, Springer, Netherlands, p. 235-248, doi: 10.1007/978-1-4020-9508-5\_7.
- 8174 Gasnault, O., et al. [G. J. Taylor], 2010, Quantitative geochemical mapping of Martian elemental provinces, *Icarus*, 207, 226-247, doi: 10.1016/j.icarus.2009.11.010.

- 8175 Glotch, T. D., et al. [P. G. Lucey], 2010, Highly silicic compositions on the moon, *Science*, 329(5998), 1510-1513.
- 8176 Goodrich, C.A., I. D. Hutcheon, N. T. Kita, G. R. Huss, B. A. Cohen, and K. Keil, 2010,  $^{53}\text{Mn}$ - $^{53}\text{Cr}$  and  $^{26}\text{Al}$ - $^{26}\text{Mg}$  ages of a feldspathic lithology in polymict ureilites, *Earth. Planet. Sci. Lett.*, 295, 531-540.
- 8177 Greenhagen, B. T., et al. [P. G. Lucey], 2010, Global silicate mineralogy of the moon from the diviner lunar radiometer, *Science*, 329(5998), 1507-1509.
- 8178 Hulme, S., C. G. Wheat, P. Fryer, and M. Mottl, 2010, Pore-water chemistry of the Mariana serpentinite mud volcanoes: A window to the seismogenic zone, *Geochem. Geophys. Geosyst.*, 11(1), Q01X09, doi: 10.1029/2009GC002674.
- 8179 Ishii, H.A., et al. [A.N. Krot, K. Keil, K. Nagashima], 2010, Discovery, mineral paragenesis, and origin of wadalite in a meteorite, *Am. Mineral.*, 95, 440-448.
- 8180 Karunatillake, S., J. J. Wray, S. W. Squyres, G. J. Taylor, O. Gasnault, S. M. McLennan, W. Boynton, M. R. El Maarry, and J. M. Dohm, 2009, Chemically striking regions on Mars and Stealth revisited, *J. Geophys. Res.-Planets*, 114(E12), E12001, HIGP-1852, doi: 10.1029/2008JE003303.
- 8181 Lindstrom, E. J., et al. [P. Hacker], 2010, Research satellite missions, in Hall, J., D. E. Harrison, and D. Stammer (eds.), *Proc. OceanObs'09: Sustained Ocean Observations and Information for Society*, vol. 2, Venice, Italy, 21-25 September 2009, ESA Publication WPP-306.
- 8182 Mishra R. K., J. N. Goswami, S. Tachibana, G. R. Huss, and N. G. Rudraswami, 2010, Evidence in chondrules for contemporaneous injection of  $^{26}\text{Al}$  and  $^{60}\text{Fe}$  of stellar origin into the nascent solar system, *Astrophys. J.*, 714, L217-L221.
- 8183 Morris, A. R., P. Mougini-Mark, and H. Garbeil, 2010, Possible impact melt and debris flows at Tooting Crater, Mars, *Icarus*, 209, 369-389.
- 8184 Paige, D. A., et al. [P. G. Lucey], 2010, Diviner lunar radiometer observations of cold traps in the Moon's south polar region, *Science*, 330(6003), 479-482.
- 8185 Reagan, M. K., et al. [P. Fryer], 2010, Fore-arc basalts and subduction initiation in the Izu-Bonin-Mariana system, *Geochem. Geophys. Geosyst.*, 11(3), Q03X12.
- 8186 Smith, D. E., et al. [P. G. Lucey], 2010, Initial observations from the Lunar Orbiter Laser Altimeter (LOLA), *Geophys. Res. Lett.*, 37, L06206, doi: 10.1029/2010GL043751.
- 8187 Jakobsson, M., R. Macnab, L. Mayer, R. Anderson, M. Edwards, J. Hatzky, H. W. Schenke, and P. Johnson, 2008, An improved bathymetric portrayal of the Arctic Ocean: Implications for ocean modeling and geological, geophysical and oceanographic analyses, *Geophys. Res. Lett.*, 35(7), L07602, doi: 10.1029/2008GL033520.
- 8188 Taylor, G. J., L. M. V. Martel, S. Karunatillake, O. Gasnault, and W. V. Boynton, 2010, Mapping Mars geochemically, *Geology*, 38, 183-186.
- 8189 Taylor, G. J., W. V. Boynton, S. M. McLennan, and L. V. Martel, 2010, K and Cl concentrations on the Martian surface determined by the Mars odyssey Gamma Ray Spectrometer: Implications for bulk halogen abundances in Mars, *Geophys. Res. Lett.*,

- 37, L12204, doi: 10.1029/2010GL043528.
- 8190 Tong, X., et al. [B. Brooks, M. Bevis], 2010, The 2010 Maule, Chile earthquake: Downdip rupture revealed by space geodesy, *Geophys. Res. Lett.*, 37(24), L24311, doi: 10.1029/2010GL045805.
- 8191 Ye, Y., et al. [A. Hushur, M. H. Manghnani, D. Lonappan], 2010, Crystal structure and hydration mechanism in hydrous wadsleyite with 2.8% H<sub>2</sub>O and compressibility to 60 GPa, *Am. Mineral.*, 95(11-12), 1765-1772, doi: 10.2138/am.2010.353.
- 8192 Porter, J. N., C. E. Helsley, S. K. Sharma, A. K. Misra, D. E. Bates, and B. R. Lienert, 2012, Two-dimensional standoff Raman measurements of distant samples, *J. Raman Spectrosc.*, 43(1), 165-167, doi:10.1002/jrs.2998.
- 8193 Schultz, J. K., 2011, Population genetics of the monk seals (Genus *Monachus*): a review, *Aquat. Mamm.*, 27(3), 227-235, HIMB-1448.
- 8194 Hushur, A., et al. [M. Manghnani, E. Hellebrand], 2011, Hydrogen bond symmetrization and equation of state of phase D, *J. Geophys. Res.-Solid Earth*, 116(B6), B06203, doi: 10.1029/2010BJ008087.
- 8195 Chumakov, A. I., et al. [M. H. Manghnani, A. Hushur, J. Balogh], 2011, Equivalence of the boson peak in glasses to the transverse acoustic van Hove singularity in crystals, *Phys. Rev. Lett.*, 106(22), 225501, doi: 10.1103/PhysRevLett.106.225501.
- 8196 Nonaka, M., S.-P. Xie, and H. Sasaki, 2012, Interannual variations in low potential vorticity water and the subtropical countercurrent in an eddy-resolving OGCM, in Kubokawa, A., S.-P. Xie, F. Kobashi, and H. Mitsudera (eds.), *New Developments in Mode-Water Research: Dynamic and Climatic Effects*, Springer Japan, p. 109-120, doi: 10.1007/978-4-431-54162-2\_8, IPRC-790.
- 8197 Gaither, M. R., et al. [B. W. Bowen, T.-R. Bordenave], 2011, Phylogeography of the reef fish *Cephalopholis argus* (Epinephelidae) indicates Pleistocene isolation across the Indo-Pacific Barrier with contemporary overlap in the Coral Triangle, *BMC Evolution. Biol.*, 11(1), 189, HIMB-1451, doi: 10.1186/1471-2148-11-189.
- 8198 Cheng, X., S.-P. Xie, H. Tokinaga, and Y. Du, 2011, Interannual variability of high-wind occurrence over the North Atlantic, *J. Climate*, 24, 6515-6527, IPRC-791.
- 8199 Pacini, A. F., et al. [P. E. Nachtigall, C. T. Quintos], 2011, Audiogram of a stranded Blainville's beaked whale (*Mesoplodon densirostris*) measured using auditory evoked potentials, *J. Exper. Biol.*, 214, 2409-2415.
- 8200 Kim, S.-S. and P. Wessel, 2011, New global seamount census from altimetry-derived gravity data, *Geophys. J. Int.*, 186, 615-631, doi: 10.1111/j.1365-246X.2011.05076.x
- 8201 Fu, Y. V., A. Li, G. Ito, and S.-H. Hung, 2012, Waveform modeling of shear wave splitting from anisotropic models of Iceland, *Geochem. Geophys. Geosys.*, 13(12), Q12001, doi: 10.1029/2012GC004369.
- 8202 van Summeren, J., C. P. Conrad, and E. Gaidos, 2011, Mantle convection, plate tectonics, and volcanism on hot exo-earths, *Astrophys. J. Lett.*, 736(1), L15 (6 pp).
- 8203 Chambers, C. R. S., and T. Li, 2011, The effect of Hawaii's Big Island on track and structure of tropical cyclones passing to the south and west, *Mon. Weather Rev.*, 139,(11) 3609-3627, doi: 10.1175/MWR-D-11-00031.1, IPRC-792.

- 8204 Mouginis-Mark, P.J., S. A. Fagents, and S. K. Rowland, 2011, NASA volcanology field workshops on Hawai'i: Part 2. Understanding lava flow morphology and flow field emplacement, in Garry, W. B., and J. E. Bleacher, (eds.), *Analogs for Planetary Exploration*, Geol. Soc. Am. Spec. Pap. 483, p. 435-448, doi: 10.1130/2011.2483(26).
- 8205 Potemra, J. T., 2012, Numerical modeling with application to tracking marine debris, *Mar. Pollut. Bull.*, 65(1-3), 42-50, doi: 10.1016/j.marpolbul.2011.06.026, IPRC-795.
- 8206 Eiler, A., D. H. Hayakawa, and M. S. Rappe, 2011, Non-random assembly of bacterioplankton communities in the subtropical North Pacific Ocean, *Front. Microbiol.*, 2, 140, doi: 10.3389/fmicb.2011.00140, HIMB-1452.
- 8207 Void (no publication information available).
- 8208 Wright, R., L. Glaze, and S. M. Baloga, 2011, Constraints on determining the eruption style and composition of terrestrial lavas from space, *Geology*, 39(12), 1127-1130, HIGP-1894.
- 8209 Makide, K., et al. [K. Nagashima, A. N. Krot, G. R. Huss, E. Hellebrand, E. Gaidos], 2011, Heterogeneous distribution of 26Al at the birth of the Solar System, *Astrophys. J. Lett.*, 733(2), L31, doi: 10.1088/2041-8205/733/2/L31.
- 8210 Curtis, C., B. S. Stewart, and S. A. Karl, 2011, Genetically effective population sizes of Antarctic seals estimated from nuclear genes, *Conserv. Genet.*, 12(6), 1435-1446, doi: 10.1007/s10592-011-0241-x, HIMB-1453.
- 8211 Daly-Engel, T. S., J. E. Randall, and B. W. Bowen, 2012, Is the great barracuda (*Sphyraena barracuda*) a reef fish or a pelagic fish? The phylogeographic perspective, *Mar. Biol.*, 159(1), 975-985, doi: 10.1007/s00227-012-1878-9, HIMB-1454.
- 8212 Wasserburg, G. J., et al. [A. N. Krot, K. Nagashima], 2011, Extremely Na- and Cl-rich chondrule from the CV3 carbonaceous chondrite Allende, *Geochim. Cosmochim. Acta*, 75(17), 4752-4770.
- 8213 Kikuchi, K., B. Wang, and Y. Kajikawa, 2012, Bimodal representation of the tropical intraseasonal oscillation, *Clim. Dyn.*, 38(9-10), 1989-2000, doi: 10.1007/s00382-011-1159-1, IPRC-798.
- 8214 Work, T. M., et al. [Z. H. Forsman, Z. Szabo, G. S. Aeby, R. J. Toonen], 2011, Interspecific coral chimerism: Genetically distinct multicellular structures associated with tissue loss in *Montipora capitata*, *PLOS ONE*, 6(7), e22869, doi: 10.1371/journal.pone.0022869, HIMB-1455.
- 8215 Fu, X., and P.-C. Hsu, 2011, Extended-range ensemble forecasting of tropical cyclogenesis in the northern Indian Ocean: Modulation of Madden-Julian Oscillation, *Geophys. Res. Lett.*, 38, L15803, doi: 10.1029/2011GL048249, IPRC-802.
- 8216 Lu, B., L. Pandolfo, and K. Hamilton, 2009, Nonlinear representation of the quasi-biennial oscillation, *J. Atmos. Sci.*, 66, 1886-1904, IPRC-501.
- 8217 Lauer, A., V. Eyring, J. J. Corbett, C. Wang, and J. J. Winebrake, 2009, Assessment of near-future policy instruments for oceangoing shipping: impact on atmospheric aerosol burdens and the Earth's radiation budget, *Environ. Sci. Technol.*, 43(15), 5592-5598, IPRC-618.
- 8218 Okumura, Y. M., C. Deser, A. Hu, A. Timmermann, and S.-P. Xie, 2009, North Pacific



- climate response to freshwater forcing in the Subarctic North Atlantic: Oceanic and atmospheric pathways, *J. Climate*, 22(6), 1424-1445, doi: 10.1175/2008JCLI2511.1, IPRC-619.
- 8219 Steinhoff, T., et al. [T. Friedrich], 2010, Estimating mixed layer nitrate in the North Atlantic Ocean, *Biogeosci.*, 7, 795-807, IPRC-672, [www.biogeosciences.net/7/795/2010/](http://www.biogeosciences.net/7/795/2010/).
- 8220 Huang, Y.-S., C.-C. Wu, and Y. Wang, 2011, The influence of the island topography on typhoon track deflection, *Mon. Weather Rev.*, 139(6), 1708-1727, IPRC-794.
- 8221 Bricker, J.D., S. Munger, J. R. Wells, G. Pawlak, and K. F. Cheung, 2007, ADCP observations of edge waves off Oahu in the wake of the November 2006 Kuril Islands tsunami, *Geophys. Res. Lett.*, 34(23), L23617, doi: 10.1029/2007GL032015.
- 8222 Chan, T., B. M. Howe, C.C. Liu, and H. Kirkham, 2007, Fault location for the NEPTUNE Power System, *IEEE Trans. Power Syst.*, 22(2), 522-531.
- 8223 Cheung, K. F., F. Gerritsen, and J. Cleveringa, 2007, Morphodynamics and sand bypassing at Ameland Inlet, The Netherlands, *J. Coast. Res.*, 23(1), 106-118, doi: 10.2112/04-0403.1.
- 8224 Howe, B. M., and T. Chereskin, 2007, Oceanographic measurements, in *Springer Handbook of Experimental Measurements*, Springer Berlin Heidelberg, Chapter 18, pp. 1179-1217, doi: 10.1007/978-3-540-30299-5\_18.
- 8225 Miller, A. J., et al. [D. S. Luther], 2007, Barotropic Rossby wave radiation from a model Gulf Stream, *Geophys. Res. Lett.*, 34(23), L23613, doi: 10.1029/2007GL031937.
- 8226 Pawlak, G., C. Marugan Cruz, C. Martinez Bazan, and P. Garcia Hrdy, 2007, Experimental characterization of transient jet dynamics, *Fluid Dyn. Res.*, 39(11-12), 711-730.
- 8227 Canals, M., and G. Pawlak, 2008, Instability, transition and vortex topology in oscillating flows, *Phys. Fluids*, 20(9), 091102, doi: 10.1063/1.2973206.
- 8228 Ge, L., K. F. Cheung, and M. H. Kobayashi, 2008, Stochastic solution for uncertainty propagation in nonlinear shallow-water equations, *J. Hydraul. Eng.*, 134(12), 1732-1743.
- 8229 Jones, N. L., R. J. Lowe, G. Pawlak, D. A. Fong, S. G. Monismith, 2008, Plume dispersion on a fringing coral reef system, *Limnol. Oceanogr.*, 53(5), 2273-2286.
- 8230 Moore, S. E., B. M. Howe, K. M. Stafford, and M. L. Boyd, 2008, Including whale call detection in standard ocean measurements: Applications of acoustic seagliders, *J. Mar. Technol. Soc.*, 41, 53-57.
- 8231 Nosal, E.-M., and L. N. Frazer, 2008, Pair-wise spectrogram processing used to track a sperm whale, *Can. Acoust.*, 36(1), 132-138.
- 8232 Nosal, E.-M., C. Tao, S. Baffi, S. S. Fu, M. Richardson, and R. H. Wilkens, 2008, Compressional wave speed dispersion and attenuation in carbonate sediments, Kaneohe Bay, Oahu, HI, *IEEE J. Oceanic Eng.*, 33(4), 367-374, doi: 10.1109/JOE.2008.920212.
- 8233 Sansone, F. J., et al. [G. Pawlak, M. A. McManus, B. T. Glazer, E. H. DeCarlo, M. Bandet, J. Sevadjian, I. C. Chen], 2008, Kilo Nalu: Physical/biogeochemical dynamics above and within permeable sediments, *Oceanogr.*, 21(4), 173-178,

<http://dx.doi.org/10.5670/oceanog.2008.15>.

- 8234 Canals, M., G. Pawlak, and P. MacCready, 2009, Tilted baroclinic tidal vortices, *J. Phys. Oceanogr.*, 39(2), 333-350, doi: 10.1175/2008JPO3954.1.
- 8235 Colosi, J. A., et al. [B. M. Howe], 2009, Temporal and vertical scales of acoustic fluctuations for 75-Hz, broadband transmissions to 87-km range in the eastern North Pacific Ocean, *J. Acoust. Soc. Am.*, 126(3), 1069-1083, doi: 10.1121/1.3177259.
- 8236 Dushaw, B. D., et al. [B. M. Howe], 2009, A decade of acoustic thermometry in the North Pacific Ocean, *J. Geophys. Res.*, 114(C7), C07021, doi: 10.1029/2008JC005124.
- 8237 Grigorieva, N. S., et al. [B. M. Howe], 2009, The interference component of the acoustic field corresponding to the Long-Range Ocean Acoustic Propagation Experiment, *J. Acoust. Soc. Am.*, 125(4), 1919-1929, doi: 10.1121/1.3082112.
- 8238 Mercer, J. A., et al. [B. M. Howe], 2009, LOAPEX: The Long-range Ocean Acoustic Propagation Experiment, *IEEE J. Oceanic Eng.*, 34, 1-11.
- 8239 Nihous, G. C., 2009, A generalization of the Monty Hall Problem, *Math. Sci.*, 34, 94-98.
- 8240 Nihous, G. C., 2009, Axisymmetric large eddy simulation of a circular source of buoyancy, *Int. J. Heat Fluid Flow*, 30(6), 1980-1986.
- 8241 Nihous, G. C., 2009, Ocean Thermal Energy Conversion (OTEC) and derivative technologies: Status of development and prospects, invited contribution, *IEA-OES 2008 Annual Report*, p. 45-49.
- 8242 Nihous, G. C., C. K. Kinoshita, and S. M. Masutani, 2009, A determination of the activity of water in water-alcohol mixtures using mobile order thermodynamics, *Chem. Eng. Sci.*, 64(11), 2767-2771.
- 8243 Stephen, R. A., et al. [B. M. Howe], 2009, Deep seafloor arrivals: An unexplained set of arrivals in long-range ocean acoustic propagation, *J. Acoust. Soc. Am.*, 126, 599-606.
- 8244 Stevenson, J. M., et al. [B. M. Howe], 2009, An autonomous, closed-loop, concept study for detecting and tracking submerged objects, *U.S. Navy J. Underwater Acoust.*, 59, 671-690.
- 8245 Howe, B. M., et al., 2010, A smart sensor web for ocean observation: Fixed and mobile platforms, integrated acoustics, satellites and predictive modeling, selected topics, *Appl. Earth Observ. Remote Sens.*, IEEE Journal, V. PP, I. 99, p. 1-15, doi: 10.1109/JSTARS.2010.2052022.
- 8246 Nihous, G. C., 2010, A combinatorial proof of a novel binomial identity, *Math. Sci.*, 35, 54-56.
- 8247 Nihous, G. C., 2010, Mapping available ocean thermal energy conversion resources around the main Hawaiian Islands with state-of-the-art tools, *J. Renew. Sustain. Ener.*, 2, 043104, doi: <http://dx.doi.org/10.1063/1.3463051>.
- 8248 Nihous, G. C., 2010, Notes on the temperature dependence of carbon isotope fractionation by aerobic CH<sub>4</sub> oxidizing bacteria, *Isot. Environ. Health. S.*, 46(2), 133-140.
- 8249 Nihous, G. C., K. Kuroda, J. R. Lobos-González, R. J. Kurasaki, and S. M. Masutani, 2010, An analysis of gas hydrate dissociation in the presence of thermodynamic

- inhibitors, *Chem. Eng. Sci.*, 65, 1748-1761.
- 8250 Sevadjan, J., M. A. McManus, and G. Pawlak, 2010, Effects of physical structure and processes on thin zooplankton layers in Mamala Bay, Hawai'i, *Mar. Ecol. Prog. Ser.*, 409, 95-106.
- 8251 Yoza, B. A., et al. [G. C. Nihous, P. K. Takahashi, S. M. Masutani], 2010, Deep ocean water resources in the 21st Century, *Mar. Technol. Soc. J.*, 44(3), 80-87.
- 8252 Lay, T., et al. [Y. Yamazaki, K. F. Cheung], 2011, The 25 October 2010 Mentawai tsunami earthquake (Mw 7.8) and the tsunami hazard presented by shallow megathrust ruptures, *Geophys. Res. Lett.*, 38(6), L06302, doi: 10.1029/2010GL046552.
- 8253 White, C., et al. [K. A. Selkoe, R. J. Toonen], 2010, Ocean currents help explain population genetic structure, *Proc. R. Soc. B*, 277(1668), 1685-1694, doi: 10.1098/rspb.2009.2214.
- 8254 Kahng, S. E., et al. [D. Wagner, R. J. Toonen], 2010, Community ecology of mesophotic coral reef ecosystems, *Coral Reefs*, 29, 255-275, doi: 10.1007/s00338-010-0593-6.
- 8255 Barshis, D. J., et al. [R. D. Gates, R. J. Toonen], 2010, Protein expression and genetic structure of the coral *Porites lobata* in an environmentally extreme Samoan back reef: Does host genotype limit phenotypic plasticity, *Molec. Ecol.*, 19(8), 1705-1720, doi: 10.1111/j.1365-294X.2010.04574.x.
- 8256 Supin, A. Ya., P. E. Nachtigall, and M. Breese, 2011, Interaction of emitted sonar pulses and simulated echoes in a false killer whale: An evoked-potential study, *J. Acoustic. Soc. Am.*, 130(3), 1711-1720, HIMB-1456.
- 8257 Rodgers, K. S., M. H. Kido, P. L. Jokiel, T. Edmonds, and E. K. Brown, 2012, Use of integrated landscape indicators to evaluate the health of linked watersheds and coral reef environments in the Hawaiian Islands, *Environ. Manage.*, 50(1), 21-30, HIMB-1457.
- 8258 Ross, M. C., Y. Stender, D. White, and G. S. Aeby, 2012, Outbreak of the coral disease, Montipora White Syndrome in Maui, Hawaii, in Yellowless, D., and T. P. Hughes (eds.), *Proc. 12th Inter. Coral Reef Symp.*, James Cook University, Townsville, Queensland, HIMB-1458.
- 8259 Kinoshita, M., G. F. Moore, and Y. N. Kido, 2011, Heat flow estimated from BSR and IODP borehole data: Implication of recent uplift/erosion of the imbricate thrust zone in the Nankai Trough off Kumano, *Geochem. Geophys., Geosyst.*, 12(9), Q0AD18, doi: 10.1029/2011GC003609.
- 8260 Hoegh-Guldberg, O., et al. [R. D. Gates], 2007, Len Muscatine (1932-2007) and his contributions to the understanding of algal-invertebrate endosymbiosis, *Coral Reefs*, 26(4), 731-739, doi: 10.1007/s00338-007-0320-0.
- 8261 Lesser, M. P., J. C. Bythell, R. D. Gates, R. W. Johnstone, and O. Hoegh Guldberg, 2007, Are infectious diseases really killing corals? Alternative interpretations of the experimental and ecological data, *J. Exp. Mar. Biol. Ecol.*, 346, 36-44.
- 8262 Mayfield, A. B., and R. D. Gates, 2007, Osmoregulation and osmotic stress in coral dinoflagellate symbiosis: Role in coral bleaching, *Comp. Biochem. Physiol. A Mol. Integr. Physiol.*, 147(1), 1-10.

- 8263 Biel, K. Y., R. D. Gates, and L. Muscatine, 2007, Effects of free amino acids on the photosynthetic carbon metabolism of symbiotic dinoflagellates, *Russ. J. Plant Physiol.*, 54(2), 171-183.
- 8264 Stat, M., E. Morris, and R. D. Gates, 2008, Functional diversity in coral-dinoflagellate symbiosis, *PNAS*, 105(27), 9256-9261.
- 8265 Manning, M. M., and R. D. Gates, 2008, Diversity in populations of free-living Symbiodinium from a Caribbean and Pacific reef, *Limnol. Oceanogr.*, 53(5), 1853-1861.
- 8266 Edmunds, P. J., and R. D. Gates, 2008, Acclimatization in tropical reefs corals, *Mar. Ecol. Prog. Ser.*, 361, 307-310.
- 8267 Stat, M., and R. D. Gates, 2008, Vectored introductions of marine endosymbiotic dinoflagellates into Hawaii, *Biol. Invasions*, 10(4), 576-583.
- 8268 Hédouin, L., A. J. Reichelt-Brushett, and R. D. Gates, 2009, Assessment of metals and a metalloid in sediments from Hawaiian coral reef ecosystems, *Mar. Pollut. Bull.*, 58(11), 1739-1765.
- 8269 Stat, M., X. Pochon, R. O. M. Cowie, and R. D. Gates, 2009, Specificity in communities of Symbiodinium in corals from Johnston Atoll, *Mar. Ecol. Prog. Ser.*, 386, 83-96.
- 8270 Fitt, W. K., et al. [R. D. Gates], 2009, Response of two species of Indo-Pacific corals, *Porites cylindrica* and *Stylophora pistillata*, to thermal stress: The host does matter in determining the tolerance of corals to bleaching, *J. Exp. Mar. Biol. Ecol.*, 373(2), 102-110, doi: 10.1016/j.jembe.2009.03.011.
- 8271 Olson, N. D., T. D. Ainsworth, R. D. Gates, and M. Takabayashi, 2009, Diversity, abundance, and distribution of diazotrophic symbionts in Hawaiian Montipora corals, *J. Exp. Mar. Biol. Ecol.*, 371(2), 140-146.
- 8272 Palmer, C. V., M. S. Roth, and R. D. Gates, 2009, Red fluorescent protein responsible for pigmentation in trematode infected *Porites compressa* tissues, *Biol. Bull.*, 216, 68-74.
- 8273 Mayfield, A. B., M. B. Hirst, and R. D. Gates, 2009, Real-time PCR-based gene expression analysis in the anthozoan-dinoflagellate endosymbiosis, *Molec. Ecol. Resour.*, 9(2), 462-470.
- 8274 van Oppen, M. J. H., J. A. Leong, and R. D. Gates, 2009, Coral-virus interactions: a double-edged sword? *Symbio.*, 47, 1-8.
- 8275 Mayfield, A. B., Y. Y. Hsiao, T. Y. Fan, C. S. Chen, and R. D. Gates, 2010, Evaluating the temporal stability of stress-activated protein kinase and cytoskeleton gene expression in the Pacific reef corals *Pocillopora damicornis* and *Seriatopora hystrix*, *J. Exp. Mar. Biol. Ecol.*, 395, 215-222.
- 8276 Hofmann, G. E., et al. [R. D. Gates], 2010, The effect of ocean acidification on calcifying organisms in marine ecosystems: An organism-to-ecosystem perspective, *Ann. Rev. Ecol. Evol. Syst.*, 41, 127-147, doi: 10.1146/annurev.ecolsys.110308.120227.
- 8277 Lesser, M. P., et al. [M. Stat, M. Ojimi, R. D. Gates], 2010, Photoacclimatization by the coral *Montastraea cavernosa* in the Mesophotic Zone: Light, food, and genetics, *Ecol.*,

- 91(4), 990-1003, doi: 10.1890/09-0313.1.
- 8278 Ainsworth, T. D., R. Vega Thurber, and R. D. Gates, 2010, The future of coral reefs—A microbial perspective, *Trends Ecol. Evol.*, 25(4), 233-240.
- 8279 Pochon, X., and R. D. Gates, 2010, A new *Symbiodinium* clade (Dinophyceae) from soritid foraminifera in Hawai'i, *Molec. Phylogen. Evol.*, 56(1), 492-497.
- 8280 Palmer, C. V., and R. D. Gates, 2010, Skeletal eroding band in Hawaiian corals ten years after the first Indo-Pacific record, *Coral Reefs*, 29(2), 469-469.
- 8281 Green, D. H., P. J. Edmunds, X. Pochon, and R. D. Gates, 2010, The effects of substratum type on the growth, mortality, and photophysiology of juvenile corals in St. John, U.S. Virgin Islands, *J. Exp. Mar. Biol. Ecol.*, 384(1-2), 18-29.
- 8282 Pochon, X., et al. [M. Stat, R. D. Gates], 2010, Comparison of endosymbiotic and free-living *Symbiodinium* (Dinophyceae) diversity in a Hawaiian reef environment, *J. Phycol.*, 46(1), 53-65, doi: 10.1111/j.1529-8817.2009.00797.x.
- 8283 Yancey, P. H., et al. [R. D. Gates, V. L. Carter, M. Hagedorn], 2010, Betaines and dimethylsulfoniopropionate as major osmolytes in Cnidaria with endosymbiotic dinoflagellates, *Physiol. Biochem. Zool.*, 83(1), 167-173, doi: 10.1086/644625
- 8284 Gates, R. D., and T. D. Ainsworth, 2011, The nature and taxonomic composition of coral symbiomes as drivers of performance limits in scleractinian corals, *J. Exp. Mar. Biol. Ecol.*, 408, 94-101.
- 8285 Stat, M., et al. [C. E. Bird, X. Pochon, G. T. Concepcion, R. J. Toonen, R. D. Gates], 2011, Variation in *Symbiodinium* ITS2 sequence assemblages among coral colonies, *PLOS ONE*, 6(1), e15854, doi: 10.1371/journal.pone.0015854.
- 8286 Stat, M., and R. D. Gates, 2011, Clade D *Symbiodinium* in scleractinian corals: a “nugget” of hope, a selfish opportunist, an ominous sign, or all of the above? *J. Mar. Biol.*, Article ID 730715, doi: 10.1155/2011/730715, HIMB-1412.
- 8287 Anderson, A. J., et al. [F. T. Mackenzie, A. Tan, P. L. Jokiel, K. S. Rodgers], 2009, Net loss of CaCO<sub>3</sub> from a subtropical calcifying community due to seawater acidification: mesocosm-scale experimental evidence, *Biogeosci.*, 6, 1811-1823, www.biogeosciences.net/6/1811/2009/.
- 8288 Buddemeier, R. W., et al. [P. L. Jokiel], 2008, A modeling tool to evaluate regional coral reef responses to changes in climate and ocean chemistry, *Limnol. Oceanogr. Methods*, 6(9), 395-411, doi: 10.4319/lom.2008.6.395.
- 8289 Jokiel, P. L., K. S. Rodgers, W. J. Walsh, D. A. Polhemus, and T. A. Wilhelm, 2011, Marine resource management in the Hawaiian Archipelago: The traditional Hawaiian system in relation to the western approach, *J. Mar. Biol.*, Article ID 151682, doi: 10.1155/2011/151682.
- 8290 Kuffner, I. B., A. J. Andersson, P. L. Jokiel, K. S. Rodgers, and F. T. Mackenzie, 2008, Decreased abundance of crustose coralline algae due to ocean acidification, *Nature Geosci.*, 1(2), 114-117.
- 8291 Rodgers, K. S., P. L. Jokiel, C. E. Bird, and E. K. Brown, 2010, Quantifying the condition of Hawaiian coral reefs, *Aquatic Conserv.*, 20, 93-105.
- 8292 Jokiel, P. L., 2008, Biology and ecological functioning of the coral reefs in the main

- Hawaiian Islands, in Riegl, B. M., and R. E. Dodge (eds.), *Coral Reefs of the USA*, Coral Reefs of the World, Vol. 1, Springer, Berlin, p. 489-517.
- 8293 Brown, E. K., P. L. Jokiel, K. S. Rodgers, W. R. Smith, and C. Roberts, 2008, The status of the reef at selected sites along South Moloka'i: Four years of monitoring, in Field, M., et al. (eds.), *A Marine Atlas of South Molokai*, USGS Publication, Scientific Investigations Report. 2007-5101.
- 8294 Jokiel, P. L., E. K. Brown, K. S. Rodgers, and W. R. Smith, 2008, Reef corals and the coral reefs of South Molokai, in Field, M., et al. (eds.), *A Marine Atlas of South Molokai*, USGS Publication, Scientific Investigations Report. 2007-5101.
- 8295 Anma, R., et al. [G. F. Moore], 2011, Structural profile and development of the accretionary complex in the Nankai Trough, Southwest Japan: Results of submersible studies, in Ogawa, Y., R. Anma, and Y. Dilek (eds.), *Accretionary Prisms and Convergent Margin Tectonics in the Northwest Pacific Basin*, Vol. 8, Springer Netherlands, p. 169-196.
- 8296 Strasser, M., et al. [G. F. Moore], 2011, Slumping and mass movement deposition in the Nankai forearc: Evidence from IODP drilling and 3-D reflection seismic data, *Geochem. Geophys. Geosyst.*, 12(5), Q0AD13, doi: 10.1029/2010GC003431.
- 8297 Kimura, G., et al. [G. F. Moore], 2011, Spatial and temporal evolution of the seismo-tsunamigenic splay fault in the Nankai Trough, *Geochem. Geophys. Geosyst.*, 12(3), Q0A008, doi: 10.1029/2010GC003335.
- 8298 Park, J.-O., et al. [G. F. Moore], 2010, A low velocity zone with weak reflectivity along the Nankai subduction zone, *Geology*, 38, 283-286, doi: 10.1130/G30205.1.
- 8299 Bangs, N. L., M. J. Hornbach, G. F. Moore, and J.-O. Park, 2010, Massive methane release triggered by seafloor erosion offshore southwestern Japan, *Geology*, 38, 1019-1022, doi: 10.1130/G31491.1.
- 8300 Keil, K., et al. [L. Wilson, G. R. Huss], 2011, A composite Fe, Ni-FeS and enstatite-forsterite-diopside-glass vitrophyre clast in the Larkman Nunatak 04316 aubrite: Origin by pyroclastic volcanism, *Meteorit. Planet. Sci.*, 46(11), 1719-1741, doi: 10.1111/j.1945-5100.2011.01261.x.
- 8301 Chen, C.-S., Y.-L. Chen, C.-L. Liu, P.-L. Lin, and W.-C. Chen, 2007, The statistics of heavy rainfall occurrences in Taiwan, *Weather Forecast.*, 22(5), 981-1002, doi: 10.1175/WAF1033.1.
- 8302 Chowdhury, Md. R., P.-S. Chu, T. A. Schroeder, and N. Colasacco, 2007, Seasonal sea-level forecasts by canonical correlation analysis—An operational scheme for the U.S.-affiliated Pacific islands, *Int. J. Climatol.*, 27, 1389-1402.
- 8303 Chowdhury, Md. R., P.-S. Chu, and T. A. Schroeder, 2007, ENSO and seasonal sea-level variability: A diagnostic discussion for the Pacific islands, *Theo. Appl. Climatol.*, 88, 213-224.
- 8304 Chu, P.-S., and X. Zhao, 2007, A Bayesian regression approach for predicting seasonal cyclone activity over central North Pacific, *J. Climate*, 20, 4002-4013.
- 8305 Chu, P.-S., X. Zhao, C.-T. Lee, and M.-M. Lu, 2007, Climate prediction of tropical cyclone activity in the vicinity of Taiwan using the multivariate least absolute deviation regression method, *Terr. Atmos. Ocean. Sci.*, 18(4), 805-825, doi:

- 10.3319/TAO.2007.18.4.805(A).
- 8306 Jin, F.-F., and L. Lin, 2007, Closures for ensemble-mean linear dynamics with stochastic basic flows, *J. Atmos. Sci.*, 64, 497-514.
- 8307 Wu, P., and P.-S. Chu, 2007, Characteristics of tropical cyclone activity over the eastern North Pacific: The extremely active 1992 and the inactive 1977, *Tellus A*, 59(4), 444-454, doi10.1111/j.1600-0870.2007.00248.x.
- 8308 Zhang, Q., A. Kumar, Y. Xue, W. Wang, and F.-F. Jin, 2007, Analysis of the ENSO Cycle in the NCEP Coupled Forecast Model, *J. Climate*, 20, 1265-1284.
- 8309 Barnes, G. M., 2008, Atypical thermodynamic profiles in the lower cloud and subcloud layers of hurricanes, *Mon. Weather Rev.*, 136(2), 631-643.
- 8310 Chen, C.-S., et al. [Y.-L. Chen], 2008, An investigation of extremely heavy rainfall events over southwestern Taiwan during the Mei-Yu season from 1997-2006, *Atmos. Sci.*, 35, 287-304 (in Mandarin with English abstract). Available from the Meteorological Society of the Republic of China, 64 Kung-Yuan Road, Taipei, Taiwan.
- 8311 Chowdhury, Md. R., P.-S. Chu, T. A. Schroeder, and X. Zhao, 2008, Variability and predictability of sea-level extremes in the Hawaiian and U.S. Trust Islands: A knowledge base for coastal hazards management, *J. Coastal Conserv.*, 12, 93-104.
- 8312 Chowdhury, Md. R., P.-S. Chu, X. Zhao, and T. A. Schroeder, 2008, Sea-level extremes and challenges to manage the risk of coastal hazards in the vicinity of Hawaiian Islands, in Wallendorf, L., et al. (eds.), *Solutions to Coastal Disasters*, American Society of Civil Engineers, p. 28-37.
- 8313 Esteban, M. A., and Y.-L. Chen, 2008, The impact of trade-wind strength on precipitation over the windward side of the island of Hawaii, *Mon. Weather Rev.*, 136(3), 913-928.
- 8314 Kim, D., J.-S. Kug, I.-S. Kang, F.-F. Jin, and A. Wittenberg, 2008, Tropical Pacific impacts of convective momentum transport in the SNU coupled GCM, *Clim. Dyn.*, 31(2), 213-226, doi: 10.1007/s00382-007-0348-4.
- 8315 Kug, J.-S., F.-F. Jin, K. P. Sooraj, and I.-S. Kang, 2008, State-dependent atmospheric noise associated with ENSO, *Geophys. Res. Lett.*, 35, L05701 doi: 10.1029/2007GL032017.
- 8316 Yang, Y., Y.-L. Chen, and F. M. Fujioka, 2008, Effects of trade-wind strength and direction on the leeside circulations and rainfall of the Island of Hawaii, *Mon. Weather Rev.*, 136(12), 4799-4818.
- 8317 Chu, P.-S., X. Zhao, Y. Ruan, and M. Grubbs, 2009, Extreme rainfall events in the Hawaiian Islands, *J. Appl. Meteorol. Climatol.*, 48, 502-516.
- 8318 Dolling, K., P.-S. Chu, and F. Fujioka, 2009, Natural variability of the Keetch/Byram drought index in the Hawaiian Island, *Int. J. Wildland Fire*, 18, 459-475.
- 8319 Guilyardi, E., et al. [F.-F. Jin, T. Li], 2009, Atmosphere feedbacks during ENSO in a coupled GCM with a modified atmospheric convection scheme, *J. Climate*, 22(21), 5698-5718, doi: <http://dx.doi.org/10.1175/2009JCLI2815.1>.
- 8320 Ho, C.-H., H.-S. Kim, and P.-S. Chu, 2009, Seasonal prediction of tropical cyclone frequency over the east China Sea through a Bayesian Poisson-regression method,

- Asia-Pacific J. Atmos. Sci.*, 45, 45-54.
- 8321 Kug, J.-S., K. P. Sooraj, F.-F. Jin, J.-J. Luo, and M.-H. Kwon, 2009, Impact of Indian Ocean dipole on high-frequency atmospheric variability over the Indian Ocean, *Atmos. Res.*, doi: 10.1016/atmos.res.2008.10.022.
- 8322 Kug, J.-S., and F.-F. Jin, 2009, Left-hand rule for synoptic eddy feedback on low-frequency flow, *Geophys. Res. Lett.*, 36(5), L05709, doi: 10.1029/2008GL036435.
- 8323 Kug, J.-S., F.-F. Jin, and S.-I. An, 2009, Two types of El Niño events: Cold tongue El Niño and warm pool El Niño, *J. Climate*, 22, 1499-1515.
- 8324 Kug, J.-S., et al. [F.-F. Jin], 2009, Simulation of state-dependent high-frequency atmospheric variability associated with ENSO, *Clim. Dyn.*, 32, 635, doi: 10.1007/s00382-008-0434-2.
- 8325 Patla, J. E., D. Stevens, and G. M. Barnes, 2009, A conceptual model for the influence of TUTT cells on tropical cyclone motion in the Northwest Pacific Ocean, *Weather Forecast.*, 24(5), 1215-1235, doi: 10.1175/2009WAF2222181.1
- 8326 Pessi, A., and S. Businger, 2009, The impact of lightning data assimilation on a winter storm simulation over the North Pacific Ocean, *Mon. Weather Rev.*, 137(10), 3177-3195.
- 8327 Ren, H.-L., F.-F. Jin, J.-S. Kug, J.-X. Zhao, and J. Park, 2009, A kinematic mechanism for positive feedback between synoptic eddies and NAO, *Geophys. Res. Lett.*, 36(11), L11709, doi: 10.1029/2009GL037294.
- 8328 Sitkowski, M., and G. M. Barnes, 2009, Low-level thermodynamic, kinematic, and reflectivity fields of Hurricane Guillermo (1997) during rapid intensification, *Mon. Weather Rev.*, 137(2), 645-663, doi: 10.1175/2008MWR2531.1.
- 8329 Sooraj, K. P., et al. [J.-S. Kug, F.-F. Jin], 2009, Effects of the low frequency zonal wind variation on the high-frequency atmospheric variability over the tropics, *Clim. Dyn.*, 33, 495, doi: 10.1007/s00382-008-0483-6.
- 8330 Tu, J.-Y., C. Chou, and P.-S. Chu, 2009, Abrupt shift of typhoon activity in the vicinity of Taiwan and its association with the western North Pacific-East Asia climate change, *J. Climate*, 22, 3617-3628.
- 8331 Yeh, S.-W., et al. [M.-H. Kwon, F.-F. Jin], 2009, El Niño in a changing climate, *Nature*, 461(7263), 511-514, doi:10.1038/nature08316.
- 8332 Zhang, W.-J., J.-P. Li, and F.-F. Jin, 2009, Spatial and temporal features of ENSO meridional scales, *Geophys. Res. Lett.*, 36, L15605, doi: 10.1029/2009GL038672.
- 8333 An, S.-I., and F.-F. Jin, 2010, Linear solutions for the frequency and amplitude modulation of ENSO by the annual cycle, *Tellus A*, 63(2), 238-243, doi: 10.1111/j.1600-0870.2010.00482.x
- 8334 Carlis, D. L., Y.-L. Chen, and V. Morris, 2010, Numerical simulations of island-scale airflow and the Maui vortex during summer trade-wind conditions, *Mon. Weather Rev.*, 138(7), 2706-2736.
- 8335 Choi, D.-H., et al. [F.-F. Jin], 2010, Arctic Oscillation responses to greenhouse warming and role of synoptic eddy feedback, *J. Geophys. Res.-Atmos.*, 115(D17), D17103, doi: 10.1029/2010JD014160.



- 8336 Chowdhury, M. R., et al. [T. A. Schroeder, P.-S. Chu], 2010, Sea-level variability and change in the US-affiliated Pacific islands: Understanding the high sea levels during 2006-2008, *Weather*, 65(10), 263-268, doi: 10.1002/wea.468.
- 8337 Chowdhury, M. R., P.-S. Chu, X. Zhao, T. A. Schroeder, and J. Marra, 2010, Sea level extremes in the U.S.-affiliated Pacific islands—A coastal hazard scenario to aid in decision analyses, *J. Coastal Conserv.*, 14, 53-62, doi: 10.1007/s11852-010-0086-3.
- 8338 Chu, P.-S., X. Zhao, and J.-H. Kim, 2010, Regional typhoon activity as revealed by track patterns and climate change, in Elsner, J., et al. (eds.), *Hurricanes and Climate Change*, vol. 2, Springer, p. 137-148.
- 8339 Chu, P.-S., et al., 2010, Bayesian forecast of seasonal typhoon activity: A track-pattern-oriented categorization approach, *J. Climate*, 23(24), 6654-6668.
- 8340 Chu, P.-S., Y. R. Chen, and T. A. Schroeder, 2010, Changes in precipitation extremes in the Hawaiian Islands in a warming climate, *J. Climate*, 23, 4881-4900.
- 8341 Collins, M., et al. [F.-F. Jin, A. Timmermann], 2010, The impact of global warming on the tropical Pacific Ocean and El Niño, *Nature Geosci.*, 3(6), 391-397, doi:10.1038/ngeo868.
- 8342 Ham, Y.-G., J.-S. Kug, I.-S. Kang, F.-F. Jin, and A. Timmermann, 2010, Impact of diurnal atmosphere-ocean coupling on tropical climate simulations using a coupled GCM, *Clim. Dyn.*, 34(6), 905-917, doi: 10.1007/s00382-009-0586-8.
- 8343 Hartley, T., and Y.-L. Chen, 2010, Characteristics of summer trade-wind rainfall over Oahu, *Weather Forecast.*, 25(6), 1797-1815, doi: 10.1175/2010WAF2222328.1.
- 8344 Jin, F.-F., 2010, Eddy-induced instability for low-frequency variability, *J. Atmos. Sci.*, 67, 1947-1964.
- 8345 Kerns, B., Y.-L. Chen, and M.-Y. Chang, 2010, The diurnal cycle of winds, rain and clouds over Taiwan during the Mei-Yu, Summer, and Autumn regimes, *Mon. Weather Rev.*, 138(2), 497-516.
- 8346 Kim, S.-T., and F.-F. Jin, 2010, An ENSO stability analysis. Part I: results from a hybrid coupled model, *Clim. Dyn.*, 36(7), 1593-1607, doi: 10.1007/s00382-010-0796-0.
- 8347 Kim, S.-T., and F.-F. Jin, 2010, An ENSO stability analysis. Part II: results from the twentieth and twenty-first century simulations of the CMIP3 models, *Clim. Dyn.*, 36(7), 1609-1627, doi: 10.1007/s00382-010-0872-5.
- 8348 Kim, H. S., C.-H. Ho, P.-S. Chu, and J.-H. Kim, 2010, Seasonal prediction of summertime tropical cyclone activity over the East China Sea using the least absolute deviation regression and the Poisson regression, *Int. J. Climatol.*, 30, 210-219.
- 8349 Kim, J.-H., C.-H. Ho, and P.-S. Chu, 2010, Dipolar redistribution of summertime tropical cyclone genesis between the Philippine Sea and the northern South China Sea and its possible mechanisms, *J. Geophys. Res.-Atmos.*, 115(D6), D06104, doi: 10.1029/2009JD012196.
- 8350 Kug, J.-S., Y.-G. Ham, F.-F. Jin and I.-S. Kang, 2010, Scale interaction between tropical instability waves and low-frequency oceanic flows, *Geophys. Res. Lett.*, 37, L02710, doi: 10.1029/2009GL041020.
- 8351 Kug, J.-S., Y.-G. Ham, M. Kimoto, F.-F. Jin, and I.-S. Kang, 2010, New approach on

- the optimal perturbation method for ensemble climate prediction, *Clim. Dyn.*, 35(2), 331-340, doi: 10.1007/s00382-009-0664-y.
- 8352 Kug, J.-S., D.-H. Choi, F.-F. Jin, W. Kwon, and H.-L. Ren, 2010, Role of synoptic eddy feedback on polar climate responses to the anthropogenic forcing, *Geophys. Res. Lett.*, 37, L14704, doi: 10.1029/2010GL043673.
- 8353 Kug, J.-S., F.-F. Jin, J.-H. Park, H.-L. Ren, and I.-S. Kang, 2010, A general rule for synoptic-eddy feedback onto low-frequency flow, *Clim. Dyn.*, 35(6), 1011-1026, doi: 10.1007/s00382-009-0606-8.
- 8354 Kug, J.-S., J. Choi, S.-I. An, F.-F. Jin, and A. T. Wittenberg, 2010, Warm pool and cold tongue El Niño events as simulated by the GFDL 2.1 coupled GCM, *J. Climate*, 23, 1226-1239.
- 8355 Kug, J.-S., F.-F. Jin, and H.-L. Ren, 2010, Role of synoptic eddies on low-frequency precipitation variation, *J. Geophys. Res.-Atmos.*, 115(D19), D19115.
- 8356 Levine A. F. Z., and F.-F. Jin., 2010, Noise-induced instability in the ENSO recharge oscillator, *J. Atmos. Sci.*, 67, 529-542.
- 8357 Lu, M.-M., P.-S. Chu, and Y.-C. Lin, 2010, Seasonal prediction of tropical cyclone activity in the vicinity of Taiwan using the Bayesian multivariate regression method, *Weather Forecast.*, 25(6), 1780-1795, doi: 10.1175/2010WAF2222408.1.
- 8358 Luo, J.-J., et al. [F.-F. Jin, R. Lukas], 2010, Interaction between El Niño and extreme Indian Ocean dipole, *J. Climate*, 23(3), 726-742, doi: 10.1175/2009JCLI3104.1.
- 8359 Nguyen, H. V., Y.-L. Chen, and F. Fujioka, 2010, Numerical simulations of island effects on airflow and weather during the summer over the Island of Oahu, *Mon. Weather Rev.*, 138(6), 2253-2280.
- 8360 Ren, H.-L., F.-F. Jin, J.-S. Kug, and L. Gao, 2010, Transformed eddy-PV flux and positive synoptic eddy feedback onto low-frequency flow, *Clim. Dyn.*, 36(11), 2357-2370, doi: 10.1007/s00382-010-0913-0.
- 8361 Zhao, X., and P.-S. Chu, 2010, Bayesian change-point analysis for extreme events (Typhoons, heavy rainfall, and heat waves): A RJMCMC approach, *J. Climate*, 23, 1034-1046.
- 8362 Chu, P.-S., and X. Zhao, 2011, Bayesian analysis for extreme climatic events: A review, *Atmos. Res.*, 102, 243-262.
- 8363 Kim, H.-S., J.-H. Kim, C.-H. Ho, and P.-S. Chu, 2011, Pattern classification of typhoon tracks using the fuzzy c-means clustering method, *J. Climate*, 24, 488-508.
- 8364 Grote, J., et al. [M. J. Church, G. F. Steward, D. M. Karl, E. F. DeLong, M. S. Rappé], 2011, Complete genome sequence of strain HIMB100, a cultured representative of the SAR116 clade of marine Alphaproteobacteria, *Stand. Genomic Sci.*, 5(3), 269-278, HIMB-1459.
- 8365 Kug, J.-S., K. P. Sooraj, F.-F. Jin, Y.-G. Ham, and D. Kim, 2011, A possible mechanism for El Niño-like warming in response to the future greenhouse warming, *Int. J. Climatol.*, 31(10), 1567-1572, doi: 10.1002/joc.2163.
- 8366 Flores-Vidal, X., R. Durazo, P. Flament, C. Chavanne, 2011, Circulacion costera en ausencia de viento en el Golfo de Tehuantepec, Mexico: Observaciones con 3 radares

- de Alta Frecuencia, *Ciencias Marinas (Int. J. Marine Sci.)*, 37, 493-512.
- 8367 Velazquez Munoz, F. A., et al. [P. Flament], 2011, Estudio de la circulacion costera forzada por el viento en el Golfo de Tehuantepec, Mexico, *Ciencias Marinas (Int. J. Marine Sci.)*, 37, 443-456.
- 8368 Jia, Y., et al. [J. T. Potemra, K. J. Richards], 2011, Generation of mesoscale eddies in the lee of the Hawaiian Islands, *J. Geophys. Res.-Oceans*, 116(C11), C11009, IPRC-806, doi: 10.1029/2011JC00730.
- 8369 Stein, K., A. Timmermann, and N. Schneider, 2011, Phase synchronization of the El Niño-Southern Oscillation with the annual cycle, *Phys. Rev. Lett.*, 107(12), 128501, IPRC-800, doi: 10.1103/PhysRevLett.107.128501.
- 8370 Franklin, E. C., M. Stat, X. Pochon, H. M. Putnam, and R. D. Gates, 2011, Rapid development of a hybrid web application for synthesis science of Symbiodinium with Google apps, in Jones, M. (ed.), *Proc. Environ. Info. Manage. 2011 Conf.*, Sept. 28-29, 2011, Santa Barbara, CA, p. 44-48, HIMB-1460.
- 8371 Forsman, Z. H., B. K. Kimokeo, C. E. Bird, C. L. Hunter, and R. J. Toonen, 2012, Coral farming: species specific effects of light, water motion and artificial foods, *J. Mar. Biol. Assoc.*, 92(4), 721-729, HIMB-1461.
- 8372 Resing, J. A., et al. [K. H. Rubin, J. Cowen], 2011, Active submarine eruption of boninite in the northeastern Lau Basin, *Nature Geosci.*, 4(11), 799-806, doi: 10.1038/ngeo1275.
- 8373 Edwards, K. J., et al. [B. T. Glazer], 2011, Ultra-diffuse hydrothermal venting supports Fe-oxidizing bacteria and massive amber deposition at 5000 m off Hawaii, *ISME J.*, 5(11), 1748-1758, doi: 10.1038/ismej.2011.48.
- 8374 Wheat, C. G., et al. [B. Glazer], 2011, Fluid sampling from oceanic borehole observatories: designs and methods for CORK activities (1990-2010), in Fisher, A. T., et al., *Proc. IODP*, 327, Tokyo, doi: 10.2204/iodp.proc.327.109.2011.
- 8375 Butler, R., 2012, Re-examination of the potential for great earthquakes along the Aleutian Island arc with implication for tsunamis in Hawaii, *Seismol. Res. Lett.*, 83(1), 29-38, HIGP-2248, doi: 10.1785/gssrl.83.1.29.
- 8376 Matthews, D., B. Powell, and R. Milliff, 2011, Dominant spatial variability scales from observations around the Hawaiian Islands, *Deep-Sea Res. I*, 58, 979-987.
- 8377 Harvey, M. J., et al. [D. T. Ho], 2011, The SOLAS Air-Sea Gas Exchange Experiment (SAGE) 2004, *Deep-Sea Res. II*, 58, 753-763, doi: 10.1016/j.dsr2.2010.10.015.
- 8378 Ho, D. T., P. Schlosser, and P.M. Orton, 2011, On factors controlling air-water gas exchange in a large tidal river, *Estuar. Coast*, 1-14, doi: 10.1007/s12237-011-9396-4.
- 8379 Ho, D. T., et al., 2011, Toward a universal relationship between wind speed and gas exchange: Gas transfer velocities measured with <sup>3</sup>He/SF<sub>6</sub> during the Southern Ocean Gas Exchange Experiment, *J. Geophys. Res.-Oceans*, 116(C4), C00F04, doi: 10.1029/2010JC006854.
- 8380 Loose, B., et al. [D. T. Ho], 2011, Gas diffusion through columnar laboratory sea ice: Implications for mixed-layer ventilation of CO<sub>2</sub> in the seasonal ice zone, *Tellus B*, 63(1), 23-39, doi: 10.1111/j.1600-0889.2010.00506.x.

- 8381 Smith, M. J., et al. [D. T. Ho], 2011, Uncertainties in gas exchange parameterization during the SAGE dual-tracer experiment, *Deep-Sea Res. II*, 58(6), 869-881 doi: 10.1016/j.dsr2.2010.10.025.
- 8382 Hong, C.-C., Y.-H. Li, T. Li, and M.-Y. Lee, 2011, Impacts of central Pacific and eastern Pacific El Niños on tropical cyclone tracks over the western North Pacific, *Geophys. Res. Lett.*, 38, L16712, IPRC-808, doi: 10.1029/2011GL048821.
- 8383 Wilson, L., B. R. Hawke, T. A. Giguere, and E. R. Petrycki, 2011, An igneous origin for Rima Hyginus and Hyginus crater of the Moon, *Icarus*, 215, 584-595, doi: 10.1016/j.icarus.2011.07.003.
- 8384 Jolliff, B. L., et al. [B. R. Hawke], 2011, Non-mare silicic volcanism on the lunar farside at Compton-Belkovich, *Nature Geosci.*, 4(8), 566-571, doi: 10.1038/NGL01212.
- 8385 Steinberg, D. K., et al. [D. M. Karl], 2008, Bacterial vs. zooplankton control of sinking particle flux in the ocean's twilight zone, *Limnol. Oceanogr.*, 53(4), 1327-1338, doi: 10.4319/lo.2008.53.4.1327.
- 8386 Bidigare, R. R., et al. [R. Lukas, C. C. S. Hannides, S. C. Christensen, D. M. Karl], 2009, Subtropical ocean ecosystem structure changes forced by North Pacific climate variations, *J. Plankton Res.*, 31(10), 1131-1139, doi: 10.1093/plankt/fbp064.
- 8387 Bowler, C., D. M. Karl, and R. R. Colwell, 2009, Microbial oceanography in a sea of opportunity, *Nature*, 459(7244), 180-184.
- 8388 Church, M. J., et al. [C. Mahaffey, R. Lukas, D. M. Karl], 2009, Physical forcing of nitrogen fixation and diazotroph community structure in the North Pacific Subtropical Gyre, *Global Biogeochem. Cy.*, 23(2), GB2020, doi: 10.1029/2008GB003418.
- 8389 Dickey, T., et al. [D. M. Karl], 2009, The NOPP O-SCOPE and MOSEAN Projects: Advanced sensing for ocean observing systems, *Oceanogr.*, 22(2), 168-181, doi: <http://dx.doi.org/10.5670/oceanog.2009.47>.
- 8390 Dore, J. E., R. Lukas, D. W. Sadler, M. J. Church, and D. M. Karl, 2009, Physical and biogeochemical modulation of ocean acidification in the central North Pacific, *Proc. U.S. Nat. Acad. Sci.*, 106, 12235-12240.
- 8391 Hewson, I., R. W. Paerl, H. J. Tripp, J. P. Zehr, and D. M. Karl, 2009, Metagenomic potential of microbial assemblages in the surface waters of the central Pacific ocean tracks variability in oceanic habitat, *Limnol. Oceanogr.*, 54(6), 1981-1994.
- 8392 Karl, D. M., 2009, Crystal ball—2009: Microbial observatories in the sea, *Environ. Microbiol. Rpts.*, 1, 10-12.
- 8393 Karl, D. M. and R. Letelier, 2009, Marine habitats and conditions for microbial growth, in Schaechter, M. (ed.), *Encyclopedia of Microbiology*, Third ed., Elsevier, Oxford, p. 258-277.
- 8394 Karl, D. M., and R. Letelier, 2009, Seascape microbial ecology: Habitat structure, biodiversity and ecosystem function, in Levin, S. A. (ed.), *The Princeton Guide to Ecology*, Princeton University Press, Princeton, New Jersey, p. 488-500.
- 8395 Konstantinidis, K. T., J. Braff, D. M. Karl, and E. F. Delong, 2009, Comparative metagenomic analysis of a microbial community residing at a depth of 4,000 meters at

- Station ALOHA in the North Pacific Subtropical Gyre, *Appl. Environ. Microbiol.*, 75, 5345-5355.
- 8396 Moore, R. M., S. Punshon, C. Mahaffey, and D. Karl, 2009, The relationship between dissolved hydrogen and nitrogen fixation in ocean waters, *Deep-Sea Res. I*, 56, 1449-1458.
- 8397 Sigman, D. M., P. J. Difiore, M. P. Hain, C. Deutsch, and D. M. Karl, 2009, Sinking organic matter spreads the nitrogen isotope signal of pelagic denitrification in the North Pacific, *Geophys. Res. Lett.*, 36(8), L08605, doi: 10.1029/2008GL035784.
- 8398 Sigman, D. M., et al. [D. M. Karl], 2009, The dual isotopes of deep nitrate as a constraint on the cycle and budget of oceanic fixed nitrogen, *Deep-Sea Res. I*, 56(9), 1419-1439, <http://dx.doi.org/10.1016/j.dsr.2009.04.007>.
- 8399 Van Mooy, B. A. S., et al. [D. M. Karl, M. S. Rappé], 2009, Phytoplankton in the ocean use non-phosphorus lipids in response to phosphorus scarcity, *Nature*, 458(7234), 69-72, doi: 10.1038/nature07659.
- 8400 Beversdorf, L. J., A. E. White, K. M. Björkman, R. M. Letelier, and D. M. Karl, 2010, Phosphonate metabolism of *Trichodesmium* IMS101 and the production of greenhouse gases, *Limnol. Oceanogr.*, 55(4), 1768-1778.
- 8401 Bonnet, S., et al. [D. M. Karl], 2010, Vitamin B<sub>12</sub> excretion by cultures of the marine cyanobacteria *Crocospaera* and *Synechococcus*, *Limnol. Oceanogr.*, 55(5), 1959-1964, doi: 10.4319/lom.2010.55.5.1959.
- 8402 Church, M. J., B. Wai, D. M. Karl, and E. F. Delong, 2010, Abundances of crenarchaeal amoA genes and transcripts in the Pacific Ocean, *Environ. Microbiol.*, 12, 679-688, doi: 10.1111/j.1462-2920.2009.02108.x.
- 8403 Duhamel, S., S. T. Dyhrman, and D. M. Karl, 2010, Alkaline phosphatase activity and regulation in the North Pacific Subtropical Gyre, *Limnol. Oceanogr.*, 55(3), 1414-1425.
- 8404 Johnson, K. S., S. C. Riser, and D. M. Karl, 2010, Nitrate supply from deep to near-surface waters of the North Pacific Subtropical Gyre, *Nature*, 465(7301), 1062-1065.
- 8405 Karl, D. M., 2010, Oceanic ecosystem time-series programs: Ten lessons learned, *Oceanogr.*, 23(3), 104-125, doi: 10.5670/oceanog.2010.27.
- 8406 Moloney, C. L., et al. [D. M. Karl], 2010, Weaving marine food webs from end to end under global change, *J. Mar. Syst.*, 84(3-4), 106-116, doi: 10.1016/j.jmarsys.2010.06.012.
- 8407 Picheral, M., et al. [L. Guidi, D. M. Karl], 2010, The Underwater Vision Profiler 5: An advanced instrument for high spatial resolution studies of particle size spectra and zooplankton, *Limnol. Oceanogr. Meth.*, 8(9), 462-473, doi: 10.4319/lom.2010.8.462.
- 8408 Quay, P. D., C. Peacock, K. Björkman, and D. M. Karl, 2010, Measuring primary production rates in the ocean: Enigmatic results between incubation and non-incubation methods at Station ALOHA, *Global Biogeochem. Cy.*, 24, GB3014, doi: 10.1029/2009GB003665.
- 8409 Saba, V. S., et al. [M. J. Church, D. M. Karl], 2010, The challenge of modeling depth-integrated marine primary productivity over multiple decades: A case study at BATS and HOT, *Global Biogeochem. Cy.*, 24, GB3020, doi: 10.1029/2009GB003655.

- 8410 Smith, W. O. J. A. Peloquin, and D. M. Karl, 2010, Antarctic continental margins, in Liu, K. K., L. Atkinson, R. Quinones, and L. Talaue-McManus (eds.), *Carbon and Nutrient Fluxes in Continental Margins*, Springer-Verlag, Berlin, p. 318-330.
- 8411 White, A. E., D. M. Karl, K. M. Björkman, L. J. Beversdorf, and R. M. Letelier, 2010, Production of organic matter by *Trichodesmium* IMS101 as a function of phosphorus source, *Limnol. Oceanogr.*, 55(4), 1755-1767.
- 8412 White, A., et al. [K. Björkman, E. Grabowski, S. Poulos, B. Watkins, D. M. Karl], 2010, An open ocean trial of controlled upwelling using wave pump technology, *J. Atmos. Ocean. Tech.*, 27(2), 385-396, doi: 10.1175/2009JTECHO679.1.
- 8413 Wilson, S. T., R. A. Foster, J. P. Zehr, and D. M. Karl, 2010, Hydrogen production by *Trichodesmium erythraeum*, *Cyanothece* sp., and *Crocospaera Watsonii*, *Aquat. Microb. Ecol.*, 59, 197-206.
- 8414 Wilson, S. T., S. Tozzi, R. A. Foster, I. Ilikchyan, Z. S. Kolber, J. P. Zehr, and D. M. Karl, 2010, Hydrogen cycling by the unicellular marine diazotroph *Crocospaera watsonii* strain WH8501, *Appl. Environ. Microbiol.*, 76(20), 6797-6803, doi: 10.1128/AEM.01202-10.
- 8415 Duhamel, S., K. M. Björkman, F. Van Wambeke, T. Moutin, and D. M. Karl, 2011, Characterization of alkaline phosphatase activity in the North and South Pacific Subtropical Gyres: Implications for phosphorus cycling, *Limnol. Oceanogr.*, 56(4), 1244-1254, doi: 10.4319/lo.2011.56.4.1244.
- 8416 Joint, I., S. C. Doney, and D. M. Karl, 2011, Will ocean acidification affect marine microbes? *ISME J.*, 5, 1-7, doi: 10.1038/ismej.2010.79.
- 8417 Kim, J.-M., et al. [D. M. Karl], 2011, Shifts in biogenic carbon flow from particulate to dissolved forms under high carbon dioxide and warm ocean conditions, *Geophys. Res. Lett.*, 38(8), L08612, doi: 10.1029/2011GL047346.
- 8418 Viviani, D. A., K. M. Björkman, D. M. Karl, and M. J. Church, 2011, Plankton metabolism in surface waters of the tropical and subtropical Pacific Ocean, *Aquat. Microb. Ecol.*, 62, 1-12.
- 8419 Dhadwal, H. S., et al. [P. Kemp], 2007, A dual detector capillary waveguide biosensor for detection and quantification of hybridized target, *Anal. Chim. Acta*, 598, 147-154, doi: 10.1016/j.aca.2007.07.033.
- 8420 D'Hondt, S., et al. [P. Kemp], 2007, Exploring seafloor life with the Integrated Ocean Drilling Program, *Sci. Drill.*, 5, 26-37, doi: 10.2204/iodp.sd.5.03.2007.
- 8421 Aller, J. Y., and P. F. Kemp, 2008, Are archaea inherently less diverse than bacteria in the same environments? *FEMS Microbiol. Ecol.*, 65, 74-87.
- 8422 Bruno, B. C., K. Achilles, K. Weersing, G. Walker, and P. Kemp, 2008, Professional development at the Center for Microbial Oceanography: Research and Education (C-MORE), *The Earth Scientist*, 27(2), 7-10.
- 8423 Aller, J. Y., R. C. Aller, P. F. Kemp, A. Y. Chistoserdov, and V. M. Madrid, 2010, Fluidized muds: a novel setting for the generation of biosphere diversity through geologic time, *Geobiol.*, 8, 169-178.
- 8424 Kemp, P. F. (ed.), 2010, *Eco-DAS VIII Symposium Proceedings*, Am. Soc. Limnol.

- Oceanogr., 165 pp.
- 8425 Xiang, B., B. Wang, Q. Ding, F.-F. Jin, X. Fu, H.-J. Kim, 2011, Reduction of the thermocline feedback associated with mean SST bias in ENSO simulation, *Clim. Dyn.*, 39(6), 1413-1430, doi: 10.1007/s00382-011-1164-4, IPRC-810.
- 8426 Randall, J. E., and J. D. DiBattista, 2011, *Etrumeus makiawa*, a new species of round herring (Clupeidae: Dussumierinae) from the Hawaiian Islands, *Pac. Sci.*, 66(1), 97-110.
- 8427 Kloosterziel, R. C., and G. F. Carnevale, 2007, Generalized energetics for inertially stable parallel shear flows, *J. Fluid Mech.*, 585, 117-126.
- 8428 Kloosterziel, R. C., G. F. Carnevale, and P. Orlandi, 2007, Inertial instability in rotating and stratified fluids: barotropic vortices, *J. Fluid Mech.*, 583, 379-412.
- 8429 Kloosterziel, R. C., P. Orlandi, and G. F. Carnevale, 2007, Saturation of inertial instability in rotating planar shear flows, *J. Fluid Mech.*, 583, 413-422.
- 8430 Kloosterziel, R. C., and G. F. Carnevale, 2008, Vertical scale selection in inertial instability, *J. Fluid Mech.*, 594, 249-269.
- 8431 Kloosterziel, R. C., 2010, Viscous symmetric stability of circular flows, *J. Fluid Mech.*, 652, 171-193.
- 8432 Carnevale, G. F., R. C. Kloosterziel, P. Orlandi, and D. D. J. A. van Sommeren, 2011, Predicting the aftermath of vortex breakup in rotating flow, *J. Fluid Mech.*, 669, 90-119.
- 8433 Selkoe, K. A., and R. J. Toonen, 2011, Review: Marine connectivity: a new look at pelagic larval duration and genetic metrics of dispersal, *Mar. Ecol. Prog. Ser.*, 436, 291-305, doi: 10.3354/meps09238, HIMB-1463.
- 8434 Barth, J. A., et al. [M. A. McManus], 2007, Delayed upwelling alters coastal ocean ecosystems in the northern California current, *PNAS*, 104(10) 3719-3724, doi: 10.1073/pnas.0700462104.
- 8435 Cheriton, O. M., et al. [M. A. McManus], 2007, Effects of mesoscale physical processes on thin zooplankton layers at four sites along the west coast of the U.S., *Estuar. Coast.*, 30(4), 575-590, doi: 10.1007/BF02841955.
- 8436 McManus, M. A., and A. S. Pfeiffer-Hoyt, 2007, The effects of nearshore physical processes on plankton distribution, in Denny, M. W., and S. Gaines (eds.), *Encyclopedia of Tidepools and Rocky Shores*, University of California Press, Berkeley, CA, p. 399-401.
- 8437 Pfeiffer-Herbert, A. S., M. A. McManus, P. T. Raimondi, Y. Chao, and F. Chai, 2007, Dispersal of barnacle larvae along the central California coast: A modeling study, *Limnol. Oceanogr.*, 52(4), 1559-1569.
- 8438 Stacey, M. T., M. A. McManus, and J. Steinbuck, 2007, Convergences and divergences and thin layer formation and maintenance, *Limnol. Oceanogr.*, 52(4), 1523-1532.
- 8439 Woodson, C. B., and M. A. McManus, 2007, Foraging behavior can influence dispersal of marine organisms, *Limnol. Oceanogr.*, 56(2), 2701-2709.
- 8440 Woodson, C. B., et al. [M. Foley, C. E. Ostrander, K. A. Weersing, M. A. McManus], 2007, Diurnal upwelling driven by sea breezes in northern Monterey Bay: A local

- mechanism for larval delivery to the intertidal? *Cont. Shelf Res.*, 27, 2289-2302.
- 8441 Benoit-Bird, K. J., M. J. Zirbel, and M. A. McManus, 2008, Diel variation of zooplankton distribution in Hawaiian waters favors horizontal diel migration by midwater micronekton, *Mar. Ecol. Prog. Ser.*, 367, 109-123.
- 8442 McManus, M. A., K. J. Benoit-Bird, and C. B. Woodson, 2008, Behavior exceeds physical forcing in the diel horizontal migration of a midwater sound-scattering layer in Hawaiian waters, *Mar. Ecol. Prog. Ser.*, 365, 91-101.
- 8443 McManus, M. A., et al. [G. F. Steward], 2008, Cryptic blooms: Are thin layers the missing connection? *Estuar. Coast.*, 31, 396-401, doi: 10.1007/s12237-007-9025-4.
- 8444 Ryan, J. P., M. A. McManus, J. D. Paduan, and F. P. Chavez, 2008, Phytoplankton thin layers caused by shear in frontal zones of a coastal upwelling system, *Mar. Ecol. Prog. Ser.*, 354, 21-34.
- 8445 Cheriton, O. M., M. A. McManus, M. T. Stacey, J. V. Steinbuck, and J. P. Ryan, 2009, Physical and biological controls on the maintenance and dissipation of a thin phytoplankton layer, *Mar. Ecol. Prog. Ser.*, 378, 55-69.
- 8446 Steinbuck, J. V., M. T. Stacey, M. A. McManus, O. M. Cheriton, and J. P. Ryan, 2009, Observations of turbulent mixing in a phytoplankton thin layer: Implications for formation, maintenance, and breakdown, *Limnol. Oceanogr.*, 54(4), 1353-1368.
- 8447 Woodson, C. B., et al. [M. A. McManus], 2009, The northern Monterey Bay upwelling shadow front: Observations of a coastally- and surface-trapped buoyant plume, *J. Geophys. Res.-Oceans*, 114(C12), C12013, doi: 10.1029/2009JC005623.
- 8448 Cheriton, O. M., M. A. McManus, J. V. Steinbuck, M. T. Stacey, and J. M. Sullivan, 2010, Towed vehicle observations of across-shelf thin layer structure and a low-salinity intrusion in northern Monterey Bay, CA, in Sullivan, J. M., M. A. McManus, and P. L. Donaghay (eds.), *The Ecology and Oceanography of Thin Plankton Layers*, *Cont. Shelf Res. Special Issue*, 30(1), 39-49.
- 8449 Galindo, H. M., et al. [M. A. McManus], 2010, Seascape genetics along a steep cline: Using genetic patterns to test predictions of marine larval dispersal, *Molec. Ecol.*, 19(17), 3489-3835, doi: 10.1111/j.1365-294X.2010.04694.x.
- 8450 Ryan, J. P., M. A. McManus, and J. M. Sullivan, 2010, Interacting physical, chemical and biological forcing of phytoplankton thin-layer variability in Monterey Bay, California, in Sullivan, J. M., M. A. McManus, and P. L. Donaghay (eds.), *The Ecology and Oceanography of Thin Plankton Layers*, *Cont. Shelf Res. Special Issue*, 30(1), 7-16.
- 8451 Ryan, J. P., et al. [M. A. McManus], 2010, Recurrent frontal slicks of a coastal ocean upwelling shadow, *J. Geophys. Res.-Oceans*, 115(C12), C12070, doi: 10.1029/2010JC006398.
- 8452 Sullivan, J. M., et al. [M. A. McManus], 2010, Layered organization in the coastal ocean: An introduction to thin layers and the LOCO project, in Sullivan, J. M., M. A. McManus, and P. L. Donaghay (eds.), *The Ecology and Oceanography of Thin Plankton Layers*, *Cont. Shelf Res. Special Issue*, 30(1), 1-6.
- 8453 Tomlinson, M. S., E. H. DeCarlo, M. A. McManus, G. Pawlak, G. F. Steward, F. J. Sansone, O. D. Nigro, C. E. Ostrander, R. E. Timmerman, J. Patterson, and S. J. Uribe,



- 2011, Characterizing the effects of two storms on the coastal waters of the O'ahu, Hawai'i, using data from the Pacific Islands Ocean Observing System, *Oceanogr.*, 24(2), 182-199, doi: 10.5670/oceanog.2011.38.
- 8454 Woodson, C. B., et al. [M. A. McManus], 2011, Observations of internal wave packets propagating along-shelf in northern Monterey Bay, *Geophys. Res. Lett.*, 38, L01605 doi: 10.1029/2010GL045453.
- 8455 Noh, Y., B. Y. Yim, S. H. You, J. H. Yoon, and B. Qiu, 2007, Seasonal variation of eddy kinetic energy of the North Pacific Subtropical Countercurrent simulated by an eddy-resolving OGCM, *Geophys. Res. Lett.*, 34(7), doi: 10.1029/2006GL029130.
- 8456 Qiu, B., R. Scott, and S. Chen, 2008, Length scales of eddy generation and nonlinear evolution of the seasonally-modulated South Pacific subtropical countercurrent, *J. Phys. Oceanogr.*, 38(7), 1515-1528.
- 8457 Scott, R. B., B. K. Arbic, C. L. Holland, A. Sen, and B. Qiu, 2008, Zonal versus meridional velocity variance in satellite observations and realistic and idealized ocean circulation models, *Ocean Model.*, 23(3), 102-112.
- 8458 Jayne, S., et al. [B. Qiu, S. Chen, P. Hacker], 2009, The Kuroshio Extension and its recirculation gyres, *Deep-Sea Res. I*, 56(12), 2088-2099, doi: 10.1016/j.dsr.2009.08.006.
- 8459 Qiu, B., S. Chen, and W. S. Kessler, 2009, Source of the 70-day mesoscale eddy variability in the Coral Sea and the North Fiji Basin, *J. Phys. Oceanogr.*, 39(2), 404-420, doi: 10.1175/2008JPO3988.1.
- 8460 Chen, S., and B. Qiu, 2010, Mesoscale eddies northeast of the Hawaiian archipelago from satellite altimeter observations, *J. Geophys. Res.-Oceans*, 115(C3), C03016, doi: 10.1029/2009JC005698.
- 8461 Kelly, K. A., et al. [B. Qiu], 2010, Western boundary currents and frontal air-sea interaction: Gulf Stream and Kuroshio Extension, *J. Climate*, 23(21), 5644-5667, doi: <http://dx.doi.org/10.1175/2010JCLI3346.1>.
- 8462 Kwon, Y.-O., et al. [B. Qiu], 2010, Role of the Gulf Stream and Kuroshio-Oyashio systems in large-scale atmosphere-ocean interaction: A review, *J. Climate*, 23(12), 3249-3281, doi: <http://dx.doi.org/10.1175/2010JCLI3343.1>.
- 8463 Lee, T., et al. [B. Qiu], 2010, Satellite observations of ocean circulation changes associated with climate variability, *Oceanogr.*, 23(4), 70-81, doi: 10.5670/oceanog.2010.06.
- 8464 Qiu, B., and S. Chen, 2010, Eddy-mean flow interaction in the decadal modulating Kuroshio Extension system, *Deep-Sea Res. II*, 57(13-14), 1098-1110, doi: 10.1016/j.dsr2.2008.11.036.
- 8465 Qiu, B., and S. Chen, 2010, Interannual-to-decadal variability in the bifurcation of the North Equatorial Current off the Philippines, *J. Phys. Oceanogr.*, 40(11), 2525-2538, doi: 10.1175/2010JPO4462.1.
- 8466 Qiu, B., and S. Chen, 2010, Interannual variability of the North Pacific Subtropical Countercurrent and its associated mesoscale eddy field, *J. Phys. Oceanogr.*, 40(1), 213-

- 225, doi: 10.1175/2009JPO4285.1.
- 8467 Yim, B.-Y., Y. Noh, B. Qiu, S.-H. You, and J.-H. Yoon, 2010, The vertical structure of eddy heat transport simulated by an eddy-resolving OGCM, *J. Phys. Oceanogr.*, 40(2), 340-353, doi: 10.1175/2009JPO4243.1.
- 8468 Jia, F., L. Wu, and B. Qiu, 2011, Seasonal modulation of eddy kinetic energy and its formation mechanism in the southeast Indian Ocean, *J. Phys. Oceanogr.*, 41(4), 657-665, doi: 10.1175/2010JPO4436.1.
- 8469 Jia, F., L. Wu, J. Lan, and B. Qiu, 2011, Interannual modulation of eddy kinetic energy in the southeast Indian Ocean by Southern Annular Mode, *J. Geophys. Res.-Oceans*, 116(C2), C02029, doi: 10.1029/2010JC006699.
- 8470 Oka, E., and B. Qiu, 2012, Progress of North Pacific mode water research in the past decade, *J. Oceanogr.*, 68(1), 5-20.
- 8471 Qiu, B., and S. Chen, 2011, Effect of decadal Kuroshio Extension jet and eddy variability on the modification of North Pacific intermediate water, *J. Phys. Oceanogr.*, 41(3), 503-515.
- 8472 Qiu, B., and S. Chen, 2012, Multi-decadal sea level and gyre circulation variability in the northwestern tropical Pacific Ocean, *J. Phys. Oceanogr.*, 42(1), 193-206.
- 8473 Qiu, B., and Y. Masumoto, 2011, Oceanic processes influencing SST in regions related to the Asian-Australian monsoon system, in Chang, C.-P., et al. (eds.), *The Global Monsoon System: Research and Forecast*, 2nd edition, World Scientific Publishing Co., pp. 525-534.
- 8474 Pawlak, G., et al. [E. H. De Carlo, J. P. Fram, A. B. Hebert, C. S. Jones, B. E. McLaughlin, M. A. McManus, K. S. Millikan, F. J. Sansone, J. R. Wells], 2009, Development, deployment, and operation of Kilo Nalu Nearshore Cabled Observatory, in *IEEE Oceans '09*, Bremen, Germany.
- 8475 Di Lorenzo, E., et al. [N. Schneider], 2010, Central Pacific El Niño and decadal climate change in the North Pacific, *Nature Geosci.*, 3(11), 762-765, IPRC-801, doi: 10.1038/ngeo984..
- 8476 Furtado, J. C., E. Di Lorenzo, N. Schneider, N. Bond, and J. Overland, 2011, North Pacific decadal variability and climate change in the IPCC AR4 models, *J. Climate*, 24, 3049-3067, IPRC-799.
- 8477 Munger, L. M., M. O. Lammers, P. Fisher-Pool, and K. Wong, 2012, Humpback whale (*Megaptera novaeangliae*) song occurrence at American Samoa in long-term passive acoustic recordings, 2008-09, *J. Acoust. Soc. Am.*, 132(4), 2265-2272, HIMB-1464.
- 8478 van Niekerk, D., and K. Keil, 2011, Metal/sulfide-silicate intergrowth textures in EL3 meteorites: Origin by impact melting on the EL parent body, *Meteorit. Planet. Sci.*, 46(10), 1484-1497.
- 8479 Smith, C. R., et al. [L. Grange, L. Guidi], 2012, A large population of king crabs in Palmer Deep on the west Antarctic Peninsula shelf and potential invasive impacts, *Proc. R. Soc. B*, 279(1730), 1017-1026, doi: 10.1098/rspb.2011.1496.
- 8480 Void (no publication information available).
- 8481 Olive, J.-A., et al. [G. Ito, S. Howell], 2015, Sensitivity of seafloor bathymetry to

- climate-driven fluctuations in mid-ocean ridge magma supply, *Science*, 350(6258), 310-313, doi: 10.1126/science.aad0715.
- 8482 Glaze, L. S., S. M. Baloga, W. B. Garry, S. A. Fagents, and C. Parcheta, 2009, A hybrid model for leveed lava flows: Implications for eruption styles on Mars, *J. Geophys. Res.-Planets*, 114(E7), E07001, doi: 10.1029/2008JE003278.
- 8483 Lee, S.-S., et al. [J.-Y. Lee, B. Wang, F.-F. Jin], 2012, Interdecadal changes in the storm track activity over the North Pacific and North Atlantic, *Clim. Dyn.*, 39(1), 313-327, IPRC-817, doi: 10.1007/s00382-011-1188-9.
- 8484 Li, T., 2012, Synoptic and climatic aspects of tropical cyclogenesis in western North Pacific, in Oouchi, K., and H. Fudeyasu (eds.), *Cyclones: Formation, Triggers and Control*, Nova Science Publishers, New York, p. 61-94.
- 8485 Sharma, S., S. Chaudhary, S. C. Kashyap, and S. K. Sharma, 2011, Room temperature ferromagnetism in Mn doped TiO<sub>2</sub> thin films: Electronic structure and Raman investigations, *J. Appl. Phys.*, 109(8), 083905-083905-7, <http://dx.doi.org/10.1063/1.3567938>.
- 8486 Tokinaga, H., et al. [S.-P. Xie, A. Timmermann, T. Ogata], 2012, Regional patterns of tropical Indo-Pacific climate change: Evidence of the Walker Circulation weakening, *J. Climate*, 25, 1689-1710, IPRC-814, doi: 10.1175/JCLI-D-11-00263.1.
- 8487 Chowdary, J. S., et al. [S.-P. Xie, H. Tokinaga, Y. M. Okumura, N. C. Johnson], 2012, Interdecadal variations in ENSO teleconnection to the Indo-Western Pacific for 1870-2007, *J. Climate*, 25(5), 1722-1744, IPRC-818, doi: 10.1175/JCLI-D-11-00070.1.
- 8488 Olive, J.-A., M. D. Behn, E. Mittelstaedt, G. Ito, and B. Z. Klein, 2016, The role of elasticity in simulating long-term tectonic extension, *Geophys. J. Int.*, 205(2), 728-743.
- 8489 Canales, J. P., R. A. Dunn, G. Ito, R. S. Detrick, and V. Sallarés, 2014, Effect of variations in magma supply on the crustal structure of mid-ocean ridges, in Harpp, K. S., E. Mittelstaedt, N. d'Ozouville, and D. W. Graham (eds.), *The Galápagos: A Natural Laboratory for the Earth Sciences*, Chapter 17, AGU Geophys. Monogr. 204, John Wiley & Sons, Inc, Hoboken, NJ, p. 363-391, doi: 10.1002/9781118852538.ch17.
- 8490 Stovall, W. K., B. F. Houghton, H. Gonnermann, S. A. Fagents, and D. A. Swanson, 2011, Eruption dynamics of Hawaiian-style fountains: the case study of episode 1 of the Kilauea Iki 1959 eruption, *Bull. Volcanol.*, 73(5), 511-529.
- 8491 Franklin, E. C., M. Stat, X. Pochon, H. M. Putnam, and R. D. Gates, 2012, GeoSymbio: A hybrid, cloud-based web application of global geospatial bioinformatics and ecoinformatics for Symbiodinium-host symbioses, *Molec. Ecol. Resour.*, 12(2), 369-373, HIMB-1466, doi: 10.1111/j.1755-0998.2011.03081.x.
- 8492 Yamazaki, Y., T. Lay, K. F. Cheung, H. Yue, and H. Kanamori, 2011, Modeling near-field tsunami observations to improve finite-fault slip models for the 11 March 2011 Tohoku earthquake, *Geophys. Res. Lett.*, 38(7), L00G15, doi: 10.1029/2011GL049130.
- 8493 Martel, S., 2011, Mechanics of curved surfaces, with application to rock fracture, *Geophys. Res. Lett.*, 38, L20303, doi: 10.1029/2011GL049354.
- 8494 Drazen, J. C., and R. L. Haedrich, 2012, A continuum of life histories in deep-sea demersal fishes, *Deep-Sea Res. I*, 61, 34-42, <http://dx.doi.org/10.1016/j.dsr.2011.11.002>.

- 8495 Drazen, J. C., and J. Yeh, 2012, Respiration of four species of deep-sea demersal fishes measured in situ in the eastern North Pacific, *Deep-Sea Res. I*, 60, 1-6, <http://dx.doi.org/10.1016/j.dsr.2011.09.007>.
- 8496 Huggett, M. J., D. H. Hayakawa, and M. S. Rappé, 2012, Genome sequence of strain HIMB624, a cultured representative from the OM43 clade of marine Betaproteobacteria, *Stand. Genomic Sci.*, 6(1), 1-15, HIMB-1467.
- 8497 Fryer, P., 2012, Serpentinite mud volcanism: Observations, processes, and implication, *Ann. Rev. Mar. Sci.*, 4, 345-373.
- 8498 Laske, G., et al. [C. J. Wolfe], 2011, Asymmetric shallow mantle structure beneath the Hawaiian Swell--Evidence from Rayleigh waves recorded by the PLUME network, *Geophys. J. Int.*, 187(3), 1725-1742, doi: 10.1111/j.1365-246X.2011.05238.x.
- 8499 Wollenberg, M. S., and E. G. Ruby, 2012, Phylogeny and fitness of *Vibrio fischeri* from the light organs of *Euprymna scolopes* in two Oahu, Hawaii populations, *ISME J.*, 6(2), 352-362, HIMB-1468.
- 8500 Peplowski, P. N., et al. [J. J. Gillis-Davis], 2011, Radioactive elements on Mercury's surface from MESSENGER: Implications for the planet's formation and evolution, *Science*, 333(6051), 1850-1852.
- 8501 Gomer, N. R., et al. [P. Lucey, S. K. Sharma], 2011, Raman spectroscopy using a spatial heterodyne spectrometer: Proof of concept, *Appl. Spectrosc.*, 65(8), 849-857, doi: 10.1366/11-06298.
- 8502 Choy, C. A., et al. [J. C. Drazen, B. N. Popp], 2012, Global trophic position comparison of two dominant mesopelagic fish families (Myctophidae, Stomiidae) using amino acid nitrogen isotopic analyses, *PLOS ONE*, 7(11), e50133, doi: 10.1371/journal.pone.0050133.
- 8503 Karl, S. A., A. L. F. Castro, and R. C. Garla, 2012, Population genetics of the nurse shark (*Ginglymostoma cirratum*) in the western Atlantic, *Mar. Biol.*, 159(3), 489-498, HIMB-1470.
- 8504 Wang, B., and F. Liu, 2011, A model for scale interaction in the Madden-Julian Oscillation, *J. Atmos. Sci.*, 68, 2524-2536, IPRC-819.
- 8505 Liu, F., and B. Wang, 2012, A model for the interaction between the 2-day waves and moist Kelvin waves, *J. Atmos. Sci.*, 69, 611-625, doi: 10.1175/JAS-D-11-0116.1, IPRC-820.
- 8506 Yoshida, S., B. Qiu, and P. Hacker, 2011, Low-frequency eddy modulations in the Hawaiian Lee Countercurrent: Observations and connection to the Pacific Decadal Oscillation, *J. Geophys. Res.-Oceans*, 116(C12), C12009, IPRC-822, doi: 10.1029/2011JC007286.
- 8507 Cowen, J. P., et al. [C.-C. Hsieh, H.-T. Lin, B. T. Glazer], 2012, Advanced instrument system for real-time and time-series microbial geochemical sampling of the deep (basaltic) crustal biosphere, *Deep-Sea Res. I*, 61, 43-56, doi: 10.1016/j.dsr.2011.11.004.
- 8508 Janekovic, I., and B. Powell, 2012, Analysis of imposing tidal dynamics to nested numerical models, *Cont. Shelf Res.*, 34, 30-40.
- 8509 Dawn, S., S. R. Salpage, M. D. Smith, S. K. Sharma, and L. S. Shimizu, 2012, A

- trinuclear silver coordination polymer from a bipyridine *bis*-urea macrocyclic ligand and silver triflate, *Inorg. Chem. Commun.*, 15, 88-92, doi: 10.1016/j.inoche.2011.09.045.
- 8510 Whitney, N. M., W. D. Robbins, J. K. Schultz, B. W. Bowen, and K. N. Holland, 2012, Oceanic dispersal in a sedentary reef shark (*Triaenodon obesus*): genetic evidence for extensive connectivity without a pelagic larval stage, *J. Biogeogr.*, 39, 1144-1156, HIMB-1472, doi: 10.1111/j.1365-2699.2011.02660.x.
- 8511 Satoh, M., et al. [H. Taniguchi], 2012, The intra-seasonal oscillation and its control of tropical cyclones simulated by high-resolution global atmospheric models, *Clim. Dyn.*, 39(9-10), 2185-2206, IPRC-824, doi: 10.1007/s00382-011-1235-6.
- 8512 Scott, E. R. D., and W. F. Bottke, 2011, Impact histories of angrites, eucrites, and their parent bodies, *Meteorit. Planet. Sci.*, 46(12), 1878-1887, doi: 10/1111/j.1945-5100.2011.01301.x.
- 8513 Lee, J.-Y., and B. Wang, 2012, Seasonal climate predictability of atmospheric circulation, in Druyan, L. M. (ed.), *Climate Models*, ISBN:978-953-51-0135-2, InTech, p. 19-42.
- 8514 Kelly, J. L., C. R. Glenn, and P. G. Lucey, 2013, High-resolution aerial infrared mapping of groundwater discharge to the coastal ocean, *Limnol. Oceanogr.*, 11, 262-277, HIGP-1913, UNIHI-SEAGRANT-JC-09-43.
- 8515 Au, W. W. L., B. Branstetter, P. W. Moore, and J. J. Finneran, 2012, The biosonar field around an Atlantic bottlenose dolphin (*Tursiops truncatus*), *J. Acoust. Soc. Am.*, 131(1), 569-576, HIMB-1473, doi: 10.1121/1.3662077.
- 8516 O'Malley, J. M., J. C. Drazen, B. N. Popp, E. Gier, and R. J. Toonen, 2012, Spatial variability in growth and prey availability of lobsters in the Northwestern Hawaiian Islands, *Mar. Ecol. Prog. Ser.*, 449, 211-220, HIMB-1474, doi: 10.3354/meps09533.
- 8517 Angel, S. M., N. R. Gomer, S. K. Sharma, and C. McKay, 2012, Remote Raman spectroscopy for planetary exploration: A review, *Appl. Spectrosc.*, 66(2), 137-150.
- 8518 Lumpkin, R., N. Maximenko, and M. Pazos, 2012, Evaluating where and why drifters die, *J. Atmos. Ocean. Tech.*, 29(2), 300-308, IPRC-828, doi: 10.1175/JTECH-D-11-00100.1.
- 8519 Ma, J., S.-P. Xie, and Y. Kosaka, 2012, Mechanisms for tropical tropospheric circulation change in response to global warming, *J. Climate*, 25, 2979-29, IPRC-830, doi: 10.1175/JCLI-D-11-00048.1.
- 8520 Wessel, P., 2009, Seamounts, geology, in Gillespie, R. G., and D. A. Clague (eds.), *Encyclopedia of Islands*, University of California Press, p. 821-825.
- 8521 Stovall, W. K., B. F. Houghton, J. E. Hammer, S. A. Fagents, and D. A. Swanson, 2012, Vesiculation of high fountaining Hawaiian eruptions: episodes 15 and 16 of 1959 Kilauea Iki, *Bull. Volcanol.*, 74, 441-455, doi: 10.1007/s00445-011-0531-7.
- 8522 Kajikawa, Y., and B. Wang, 2012, Interdecadal change of the South China Sea summer monsoon onset, *J. Climate*, 25, 3207-3218, IPRC-827, doi: 10.1175/JCLI-D-11-00207.1.
- 8523 Wu, B., T. Zhou, and T. Li, 2012, Two distinct modes of tropical Indian Ocean

- precipitation in boreal winter and their impacts on equatorial Western Pacific, *J. Climate*, 25, 921-938, IPRC-831, doi: 10.1175/JCLI-D-11-00065.1.
- 8524 Wang, L., T. Li, and T. Zhou, 2012, Intraseasonal SST variability and air-sea interaction over Kuroshio extension region during boreal summer, *J. Climate*, 25(5), 1619-16, IPRC-832, doi: <http://dx.doi.org/10.1175/JCLI-D-11-00109.1>.
- 8525 Head, J. W., et al. [D. T. Blewett, J. J. Gillis-Davis], 2011, Flood volcanism in the northern high latitudes of Mercury revealed by MESSENGER, *Science*, 333(6051), 1853-1856, doi: 10.1126/science.1211997.
- 8526 Bianco, T. A., C. P. Conrad, and E. I. Smith, 2011, Time-dependence of intraplate volcanism caused by shear-driven upwelling of low-viscosity regions within the asthenosphere, *J. Geophys. Res.-Solid Earth*, 116, B11103, doi: 10.1029/2011JB008270.
- 8527 Gaither, M. R., et al. [C. Kelley, B. W. Bowen], 2011, High connectivity in the deepwater snapper *Pristipomoides filamentosus* (Lutjanidae) across the Indo-Pacific with isolation of the Hawaiian Archipelago, *PLOS ONE*, 6(12), e28913, HIMB-1477, doi: 10.1371/journal.pone.0028913.
- 8528 Padilla-Gamino, J. L., and R. D. Gates, 2012, Spawning dynamics in the Hawaiian reef building coral *Montipora capitata*, *Mar. Ecol. Prog. Ser.*, 449, 145-160, HIMB-1478, doi: 10.3354/meps09530.
- 8529 Matthews, D., B. Powell, and I. Janekovic, 2012, Analysis of four-dimensional variational state estimation of the Hawaiian waters, *J. Geophys. Res.-Oceans*, 117(C3), C03013, doi: 10.1029/2011JC007575.
- 8530 Krueger, T., and R. D. Gates, 2012, Cultivating endosymbionts--Host environmental mimics support the survival of *Symbiodinium* C15 ex hospite, *J. Exp. Mar. Biol. Ecol.*, 413, 169-176, HIMB-1479, doi: 10.1016/j.jembe.2011.12.002.
- 8531 Sooraj, K. P., H. Annamalai, A. Kumar, and H. Wang, 2012, A comprehensive assessment of CFS seasonal forecasts over the Tropics, *Weather Forecast.*, 27(1), 3-27, IPRC-815, doi: 10.1175/WAF-D-11-00014.1.
- 8532 Moon, J.-Y., B. Wang, and K.-J. Ha, 2012, MJO modulation on 2009/10 winter snowstorms in the United States, *J. Climate*, 25, 978-991, IPRC-835, doi: 10.1175/JCLI-D-11-00033.1.
- 8533 Li, S., P. E. Nachtigall, M. Breese, and A. Y. Supin, 2012, Hearing sensation level of emitted biosonar clicks in an echolocating Atlantic bottlenose dolphin, *PLOS ONE*, 7(1), e29793, HIMB-1481.
- 8534 Sohn, S.-J., et al. [J.-Y. Lee, B. Wang], 2012, Assessment of the long-lead probabilistic prediction for the Asian summer monsoon precipitation (1983-2011) based on the APCC multi-model system and a statistical model, *J. Geophys. Res.-Atmos.*, 117(D4), D04102, IPRC-834, doi: 10.1029/2011JD016308.
- 8535 Wang, B., J. Liu, H.-J. Kim, P. J. Webster, and S.-Y. Yim, 2012, Recent change of the global monsoon precipitation (1979-2008), *Clim. Dyn.*, 39(5), 1123-1135, IPRC-837, doi: 10.1007/s00382-011-1266-z.
- 8536 Shank, L. M., et al. [S. Howell, A. D. Clarke, S. Freitag, V. Brekhovskikh, V. Kapustin, C. McNaughton], 2012, Organic matter and non-refractory aerosol over the remote

- Southeast Pacific: oceanic and combustion sources, *Atmos. Chem. Phys.*, 12, 557-576, doi: 10.5194/acp-12-557-2012.
- 8537 Yamazaki, Y., K. F. Cheung, G. Pawlak, and T. Lay, 2012, Surges along the Honolulu coast from the 2011 Tohoku tsunami, *Geophys. Res. Lett.*, 39, L09604, doi: 10.1029/2012GL051624.
- 8538 Rubin, K. H., et al., 2012, Volcanic eruptions in the deep sea, *Oceanogr.*, 25(1), 142-157, doi: 10.5670/oceanog.2012.12.
- 8539 Dalton, C.A., C.P Conrad, and A.M. Trehu, 2011, What is the lithosphere-asthenosphere boundary? *Eos Trans. AGU*, 92, 481.
- 8540 Mouginis-Mark, P. J., and J. M. Boyce, 2012, Tooting crater: Geology and geomorphology of the archetype large, fresh, impact crater on Mars, *Chem. Erde-Geochem.*, 72, 1-23, HIGP-1918.
- 8541 Schloesser, F., R. Furue, J. P. McCreary, Jr., and A. Timmermann, 2012, Dynamics of the Atlantic meridional overturning circulation. Part 1: buoyancy-forced response, *Prog. Oceanogr.*, 101(1), 33-62, IPRC-849, doi: 10.1016/j.pocean.2012.01.002.
- 8542 Lin, H.-T., J. P. Cowen, E. J. Olson, J. P. Amend, and M. D. Lilley, 2012, Inorganic chemistry, gas compositions and dissolved organic carbon in fluids from sedimented young basement in Juan de Fuca Ridge, *Geochim. Cosmochim. Acta*, 85, 213-227.
- 8543 Filipot, J. F., and K. F. Cheung, 2012, Spectral wave modeling in fringing reef environments, *Coast. Eng.*, 67, 67-79.
- 8544 Krot, A. N., K. Nagashima, and M. I. Petaev, 2012, Isotopically uniform, 16-O-depleted calcium, aluminum-rich inclusions in CH and CB carbonaceous chondrites, *Geochim. Cosmochim. Acta*, 83, 159-178, HIGP-1920.
- 8545 Collins, J. A., C. J. Wolfe, and G. Laske, 2012, Shear-wave splitting at the Hawaiian hotspot from the PLUME land and ocean bottom seismometer deployments, *Geochem. Geophys. Geosyst.*, 13, doi: 10.1029/2011GC003881.
- 8546 Edwards, M., and D. Oliver, 2011, Research Vessel Sikuliaq, *Oceanogr.*, 24(3), 65, <http://dx.doi.org/10.5670/oceanog.2011.56>.
- 8547 Edwards, M. H., et al. [R. Wilkens, C. Kelley, E. DeCarlo, K. Macdonald], 2012, Methodologies for surveying and assessing deep water munitions disposal sites, *Mar. Technol. Soc. J.*, 46(1), 51-62.
- 8548 Sprintall, J., A. L. Gordon, and P. Flament, 2012, Observations of exchange between the South China Sea and the Sulu Sea, *J. Geophys. Res.-Oceans*, 117(C5), C05036, doi: 10.1029/2011jc007610.
- 8549 Beman, J. M., B. N. Popp, and S. A. Alford, 2012, Quantification of ammonia oxidation rates and ammonia-oxidizing Archaea and Bacteria at high resolution in the Gulf of California and eastern tropical North Pacific Ocean, *Limnol. Oceanogr.*, 57(3), 711-726, doi: 10.4319/lo.2012.57.3.0711.
- 8550 van Woesik, R., et al. [E. C. Franklin], 2012, Hosts of the Plio-Pleistocene past reflect modern-day coral vulnerability, *Proc. R. Soc. B*, 279(1737), 2448-2456, HIMB-1483, doi: 10.1098/rspb.2011.2621.
- 8551 Liu, F., and B. Wang, 2013, Impacts of upscale heat and momentum transfer by moist

- Kelvin waves on the Madden-Julian Oscillation: A theoretical model study, *Clim. Dyn.*, 40(1-2), 213-224, IPRC-839, doi: 10.1007/s00382-011-1281-0.
- 8552 Das, S., and K. F. Cheung, 2012, Hydroelasticity of marine vessels advancing in a seaway, *J. Fluids Struct.*, 34, 271-290.
- 8553 Peng, M. S, B. Fu, T. Li, D. E. Stevens, 2010, Developing versus nondeveloping disturbances in the North Atlantic and Western North Pacific: part I: the North Atlantic, *Mon. Weather Rev.*, 140(4), 1047-1066, IPRC-852, doi: 10.1175/2011MWR3617.1.
- 8554 Fu, B., M. S. Peng, T. Li, and D. E. Stevens, 2012, Developing versus nondeveloping disturbances in the North Atlantic and Western North Pacific: part II: the Western North Pacific, *Mon. Weather Rev.*, 140(4), 1067-10, IPRC-853, doi: 10.1175/2011MWR3618.1.
- 8555 van Summeren, J., C. P. Conrad, and C. Lithgow-Bertelloni, 2012, The importance of slab pull and a global asthenosphere to plate motions, *Geochem. Geophys. Geosyst.*, 13, Q0AK03, doi: 10.1029/2011GC003873.
- 8556 Husson, L., C. P. Conrad, and C. Faccenna, 2012, Plate motions, Andean orogeny, and volcanism above the South Atlantic convection cell, *Earth Planet. Sci. Lett.*, 317-318, 126-135.
- 8557 Ruban, D. A., S. O. Zorina, C. P. Conrad, and N. I. Afanasieva, 2012, In quest of Paleocene global-scale transgressions and regressions: constraints from a synthesis of regional trends, *Proc. Geologists' Assoc.*, 123, p. 7-18.
- 8558 Wagner, D., R. G. Waller, A. D. Montgomery, C. D. Kelley and R. J. Toonen, 2012, Sexual reproduction of the Hawaiian black coral *Antipathes griggi* (Cnidaria: Antipatharia), *Coral Reefs*, 31(3), 795, HIMB-1484.
- 8559 Bai, Y., and K. F. Cheung, 2013, Depth-integrated free-surface flow with parameterized non-hydrostatic pressure, *Int. J. Numer. Meth. Fluids*, 71, 403-421, doi: 10.1002/fld.3664.
- 8560 Duennebieer, F. K., R. Lukas, E.-M. Nosal, J. Aucas, and R. A. Weller, 2012, Wind, waves, and acoustic background levels at Station ALOHA, *J. Geophys. Res.-Oceans*, 117(C3), C03017, doi: 10.1029/2011JC007267.
- 8561 Karl, S. A., R. J. Toonen, W. S. Grant, and B. W. Bowen, 2012, Common misconceptions in molecular ecology: echoes of the modern synthesis, *Molec. Ecol.*, 21(17), 4171-4189, HIMB-1485, doi: 10.1111/j.1365-294X.2012.05576.x.
- 8562 Hsu, P.-C., T. Li, Y.-C. Lin, M.-M. Lu, and J.-Y. Lee, 2012, A spatial-temporal projection method for seasonal prediction of spring rainfall in Northern Taiwan, *J. Meteor. Soc. Japan*, 90(2), 179-190, IPRC-854, doi: 10.2151/jmsj.2012-202.
- 8563 Zhang, S.-J., T. Li, X. Ge, M. Peng, and N. Pan, 2012, A 3DVAR-based dynamical initialization scheme for tropical cyclone predictions, *Weather Forecast.*, 27(2), 473-483, IPRC-855, doi: 10.1175/WAF-D-10-05066.1.
- 8564 De Leo, F. C., J. C. Drazen, E. W. Vetter, A. A. Rowden, and C. R. Smith, 2012, The effects of submarine canyons and the oxygen minimum zone on deep-sea fish assemblages off Hawaii, *Deep-Sea Res. I*, 64, 54-70.
- 8565 Hsu, P.-C., and T. Li, 2012, Role of the boundary layer moisture asymmetry in causing



- the eastward propagation of the Madden-Julian Oscillation, *J. Climate*, 25(14), 4914-4931, IPRC-859, doi: 10.1175/JCLI-D-11-00310.1.
- 8566 Bernardino, A. F., L. A. Levin, A. R. Thurber, and C. R. Smith, 2012, Comparative composition, diversity and trophic ecology of sediment macrofauna at vents, seeps and organic falls, *PLOS ONE*, 7(4), e33515, doi: 10.1371/journal.pone.0033515.
- 8567 Au, W. W. L., and S. W. Martin, 2012, Why dolphin biosonar performs so well in spite of mediocre "equipment", *IET Radar Sonar Navig.*, 6(6), 566-575, HIMB-1486.
- 8568 Hsu, P.-C., et al. [T. Li], 2012, Increase of global monsoon area and precipitation under global warming: A robust signal? *Geophys. Res. Lett.*, 39, L06701, IPRC-860, doi: 10.1029/2012GL051037.
- 8569 Wessel, P., D. T. Sandwell, and S.-S. Kim, 2010, The global seamount census, *Oceanography*, 23(1), 24-33, doi: 10.5670/oceanog.2010.60.
- 8570 Kapustin, V. N., et al. [A. D. Clarke, S. G. Howell], 2012, Evaluating primary marine aerosol production and atmospheric roll structures in Hawaii's natural oceanic wind tunnel, *J. Atmos. Oceanic Tech.*, 29(5), 668-682, doi: 10.1175/JTECH-D-11-00079.1.
- 8571 Guerrero Garcia, J. C., and E. Herrero-Bervera, 2012, On the reliability (remagnetization?) of paleomagnetic poles obtained from Permo-Silurian rocks from Oaxaca Mexico, Belize and Guatamala: Insights from rock magnetic studies, *Open J. Geol.*, 2(2), 48-56, HIGP-1923.
- 8572 Herrero-Bervera, E., and L. Jovane, 2012, Paleomagnetism and rock magnetism of IODP 325 Hole M0058A, *Proc. 12th Int. Coral Reef Symp.*, Cairns, Australia, 9-13 July, 2012, HIGP-1924.
- 8573 Belmadani, A., V. Echevin, B. Dewitte, and F. Colas, 2012, Equatorially-forced intraseasonal propagations along the Peru-Chile coast and their relation with the nearshore eddy activity in 1992-2000: A modelling study, *J. Geophys. Res.-Oceans*, 117(C4), C04025, IPRC-861, doi: 10.1029/2011JC007848.
- 8574 Puritz, J. B., J. A. Addison, and R. J. Toonen, 2012, Next-generation phylogeography: A targeted approach for multilocus sequencing of non-model organisms, *PLOS ONE*, 7(3), e34241.
- 8575 Heuret, A., C. P. Conrad, F. Funiciello, S. Lallemand, and L. Sandri, 2012, Relation between subduction megathrust earthquakes, trench sediment thickness and upper plate strain, *Geophys. Res. Lett.*, 39, L05304, doi: 10.1029/2011GL050712.
- 8576 Benediktsdóttir, Á., R. Hey, F. Martinez, and Á. Höskuldsson, 2012, Detailed tectonic evolution of the Reykjanes Ridge during the past 15 Ma, *Geochem. Geophys. Geosyst.*, 13(2), Q02008, doi: 10.1029/2011GC003948.
- 8577 Karl, S. A., and K. A. Hayes, 2012, Extreme population subdivision in the Crown Conch (*Melongena corona*): Historical and contemporary influences, *J. Hered.*, 103, 523-532, HIMB-1489.
- 8578 Roeber, V., and K. F. Cheung, 2012, Boussinesq-type model for energetic breaking waves in fringing reef environment, *Coast. Eng.*, 70, 1-20.
- 8579 Williams, D. A., S. A. Fagents, R. Greeley, and J. F. McHone, 2011, Field exercises in the Pinacate volcanic field, Mexico: An analog for planetary volcanism, *Geol. Soc. Am.*

- Spec. Pap.*, 483, 449-464, HIGP-1925.
- 8580 Taguchi, B., et al. [R. Furue], 2012, Deep oceanic zonal jets constrained by fine-scale wind stress curls in the South Pacific Ocean: A high-resolution coupled GCM study, *Geophys. Res. Lett.*, 39, L08602, IPRC-863, doi: 10.1029/2012GL051248.
- 8581 Flores-Vidal, X., C. Chavanne, P. Flament, R. Durazo, and K.-W. Gurgel, 2013, High frequency radars: Beamforming calibrations using ships as reflectors, *J. Atmos. Oceanic Tech.*, 30(3), 638-648, doi: 10.1175/jtech-d-12-00105.1.
- 8582 Jia, X., H. Lin, J.-Y. Lee, and B. Wang, 2012, Season-dependent forecast skill of the dominant atmospheric circulation patterns over the Pacific-North American region, *J. Climate*, 25 (20), 7248-7265, IPRC-862, doi: 10.1175/JCLI-D-11-00522.1.
- 8583 Chandler, M. T., et al. [P. Wessel, B. Taylor], 2012, Reconstructing Ontong Java Nui: Implications for Pacific absolute plate motion, hotspot drift and true polar wander, *Earth Planet. Sci. Lett.*, 331, 140-151, doi: 10.1016/j.epsl.2012.03.017.
- 8584 Gao, S., T. Qu, and D. Hu, 2012, Origin and pathway of the Luzon Undercurrent identified by a simulated adjoint tracer, *J. Geophys. Res.-Oceans*, 117(C5), C05011, doi: 10.1029/2011JC007748.
- 8585 Misra, A. K., S. K. Sharma, T. E. Acosta, J. N. Porter, and D. E. Bates, 2012, Portable standoff Raman system for fast detection of homemade explosives through glass, plastic and water, in Fountain, A. W. (ed.), *Chemical, Biological, Radiological, Nuclear, and Explosives (CBRNE) Sensing XIII*, Proc. SPIE 8358, 835811 (5 May 2012); doi: 10.1117/12.919647.
- 8586 Sharma, S. K., A. K. Misra, T. E. Acosta, and P. G. Lucey, 2012, Time-resolved Raman and fluorescence spectrometers for planetary exploration, in Turner, M. D., and G. W. Kamerman (eds.), *Laser Radar Technology and Applications XVII*, Proc. SPIE 8379, 83790J (16 May 2012); doi: 10.1117/12.920955.
- 8587 Paret, M. L., et al. [S. K. Sharma, A. K. Misra, T. Acosta], 2012, Characterization of the pigment xanthomonadin in the bacterial genus *Xanthomonas* using micro- and resonance Raman spectroscopy, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology IX*, Proc. SPIE 8367, 836703 (16 May 2012); doi: 10.1117/12.919652.
- 8588 Lauer, A., R. Bennartz, K. Hamilton, and Y. Wang, 2012, Modeling the response of marine boundary layer clouds to global warming: The impact of subgrid scale precipitation, *J. Climate*, 25(19), 6610-6626, IPRC-867, doi: 10.1175/JCLI-D-11-00623.1.
- 8589 Liu, J., et al. [B. Wang, S.-Y. Yim, J.-Y. Lee], 2012, What drives the global summer monsoon over the past millennium, *Clim. Dyn.*, 39(5), 1063-1072, IPRC-868, doi: 10.1007/s00382-012-1360-x.
- 8590 Turner, A., and H. Annamalai, 2012, Climate change and the South Asian monsoon, *Nature Clim. Change*, 2, 587-595, IPRC-869, doi: 10.1038/nclimate1495.
- 8591 Chikamoto, M. O., A. Abe-Ouchi, A. Oka, R. Ohgaito, and A. Timmermann, 2012, Quantifying the ocean's role in glacial CO<sub>2</sub> reductions, *Climate Past*, 8, 545-563, IPRC-870, doi: 10.5194/cp-8-545-2012.
- 8592 Hu, A., et al. [A. Timmermann], 2012, Role of the Bering Strait on the hysteresis of the

- ocean conveyor belt circulation and glacial climate stability, *PNAS*, 109(17), 6417-6422, IPRC-871, doi: 10.1073/pnas.1116014109.
- 8593 Harada, N., et al. [A. Timmermann], 2012, Sea surface and subsurface temperature changes in the Okhotsk Sea and adjacent North Pacific during the last Glacial Maximum and deglaciation, *Deep-Sea Res. II*, 61, 93-105, IPRC-872, doi: 10.1016/j.dsr2.2011.12.007.
- 8594 Winter, A., et al. [A. Timmermann], 2011, Evidence for 800 years of North Atlantic multi-decadal variability from a Puerto Rican speleothem, *Earth Planet. Sci. Lett.*, 308, 23-28, IPRC-874, <http://dx.doi.org/10.1016/j.epsl.2011.05.028>.
- 8595 Stott, L., and A. Timmermann, 2011, Hypothesized link between glacial/interglacial atmospheric CO<sub>2</sub> cycles and storage/release of CO<sub>2</sub>-rich fluids from the deep sea, *AGU Geophys. Monogr. Ser.*, 193, 123-138, IPRC-875.
- 8596 Echevin, V., K. Goubanova, A. Belmadani, and B. Dewitte, 2012, Sensitivity of the Humboldt Current system to global warming: A downscaling experiment of the IPSL-CM4 model, *Clim. Dyn.*, 38(3-4), 761-774, IPRC-876, doi: 10.1007/s00382-011-1085-2.
- 8597 Klawonn, M., C. J. Wolfe, L. N. Frazer, and B. F. Houghton, 2012, Novel inversion approach to constrain plume sedimentation from tephra deposit data: Application to the 17 June 1996 eruption of Ruapehu volcano, New Zealand, *J. Geophys. Res.-Solid Earth*, 117, B05205, doi: 10.1029/2011JB008767.
- 8598 Oshima, K., Y. Tanimoto, and S.-P. Xie, 2012, Regional patterns of wintertime SLP change over the North Pacific and their uncertainty in CMIP3 multi-model projections, *J. Meteor. Soc. Japan*, 90A, 385-396, IPRC-877, doi: 10.2151/jmsj.2012-A23.
- 8599 Wang, D., W. Zhuang, S.-P. Xie, J. Hu, and R. Wu, 2012, Coastal upwelling in summer 2000 in the northeastern South China Sea observed by hydrographic, tide-gauge, near-bottom mooring and satellite data, *J. Geophys. Res.-Oceans*, 117(C4), C04009, IPRC-878, doi: 10.1029/2011JC007465.
- 8600 Weller, E., et al. [J. Ma, S.-P. Xie], 2012, Interannual variations of wind regimes off the subtropical Western Australia coast during austral winter and spring, *J. Climate*, 25(16), 5587-5599, IPRC-879, doi: 10.1175/JCLI-D-11-00324.1.
- 8601 Small, R. J., S.-P. Xie, E. D. Maloney, S. P. deSzoeko, and T. Miyama, 2011, Intraseasonal variability in the far-east Pacific: Investigation of the role of air-sea coupling in a regional coupled model, *Clim. Dyn.*, 36(5-6), 867-890, IPRC-880, doi: 10.1007/s00382-010-0786-2.
- 8602 Yu, W., W. Han, E. Maloney, D. Gochis, and S.-P. Xie, 2011, Observations of eastward propagation of atmospheric intraseasonal oscillations from the Pacific to the Atlantic, *J. Geophys. Res.-Atmos.*, 116(D2), D02101, IPRC-881, doi: 10.1029/2010JD014336.
- 8603 Li, Q.-Q., and Y. Wang, 2012, A comparison of inner and outer spiral rainbands in a numerically simulated tropical cyclone, *Mon. Weather Rev.*, 140(9), 2782-2805, IPRC-882, doi: 10.1175/MWR-D-11-00237.1.
- 8604 Bird, C. E., I. Fernandez-Silva, D. J. Skillings, and R. J. Toonen, 2012, Sympatric speciation in the post “Modern Synthesis” era of evolutionary biology, *Evol. Biol.*, 39, 158-180, HIMB-1491, doi: 10.1007/s11692-012-9183-6.

- 8605 DiBattista, J. D., et al. [E. Waldrop, B. W. Bowen, J. K. Schultz], 2012, Twisted sister species of Pygmy Angelfishes: Discordance between taxonomy, coloration, and phylogenetics, *Coral Reefs*, 31, 839-851, doi: 10.1007/s00338-012-0907-y.
- 8606 DiBattista, J. D., J. E. Randall, and B. W. Bowen, 2012, Review of the round herrings of the genus *Etrumeus* from Africa, with descriptions of two new species, *Cybium*, 36, 447-460, HIMB-1493.
- 8607 Keil, K., 2012, Angrites, a small but diverse suite of ancient, silicaundersaturated volcanic-plutonic mafic meteorites, and the history of their parent asteroid, *Chem. Erde*, 72, 191-218.
- 8608 Garcia, M. O., D. Hanano, A. Flinders, D. Weis, G. Ito, M. D. Kurz, 2012, Age, geology, geophysics, and geochemistry of Mahukona Volcano, Hawaii, *Bull. Volcanol.*, 74(6), 1445-1463.
- 8609 Rooney, J., et al. [P. Wessel, R. Hoeke, J. Weiss, C. Fletcher, M. O. Garcia, P. Vroom], 2008, Geology and geomorphology of coral reefs of the Northwestern Hawaiian Islands, in Riegl, B. M., and R. E. Dodge (eds.), *Coral Reefs of the USA*, Coral Reefs of the World, vol. 1, Springer, Berlin, p. 515-567, doi: 10.1007/978-1-4020-6847-8\_13.
- 8610 Ireland, T. J., R. J. Walker, and M. O. Garcia, 2009, Highly siderophile element and <sup>187</sup>Os isotope systematics of Hawaiian picrites: Implications for parental melt composition and source heterogeneity, *Chem. Geol.*, 260, 112-128.
- 8611 Staudigel, H., et al. [M. O. Garcia], 2010, Spotlight: Loihi Seamount, *Oceanogr.*, 23(1), 72-73.
- 8612 Wang, Z., J. M. Eiler, P. Asimow, M. O. Garcia, and E. Takahashi, 2010, Oxygen isotope constraints on the structure of the Hawaiian plume, *Am. J. Sci.*, 310, 683-720, doi: 10.2475/08.2010.01.
- 8613 Pietruszka, A. J., et al. [M. O. Garcia], 2011, Excesses of seawater-derived <sup>234</sup>U in volcanic glasses from Loihi Seamount due to crustal contamination, *Earth Planet. Sci. Lett.*, 304, 280-289, <http://dx.doi.org/10.1016/j.epsl.2011.02.018>.
- 8614 Weis, D., M. O. Garcia, J. M. Rhodes, M. Jellinek, and J. S. Scoates, 2011, Role of the deep mantle in generating the compositional asymmetry of the Hawaiian mantle plume, *Nature Geosci.*, 4(12), 831-838, doi: 10.1038/ngeo1328.
- 8615 Wessel, P., et al., 2009, Seminar 2.0: Learning with Skype and video podcasts, *Eos Trans. AGU*, 90(17), 145-147, doi: 10.1029/2009EO170002.
- 8616 Blackman, D. K., et al. (P. Fryer), 2011, Drilling constraints on lithospheric accretion and evolution at Atlantis Massif, Mid-Atlantic Ridge 30°N, *J. Geophys. Res.-Solid Earth*, 116, B07103, doi: 10.1029/2010JB007931.
- 8617 Brooks, B. A., et al. [J. Foster], 2011, Orogenic-wedge deformation and potential for great earthquakes in the central Andean backarc, *Nature Geosci.*, 4(6), 380-383, doi: 10.1038/ngeo1143.
- 8618 Chigarev, N., et al. [P. Zinin, L. C. Ming], 2011, Laser ultrasonic measurements in a diamond anvil cell on Fe and the KBr pressure medium, *J. Physics Conf. Ser.*, 278, 017012, doi: 10.1088/1742-6596/278/1/012017.
- 8619 Dousset, B., et al., 2011, Satellite monitoring of summer heat waves in the Paris

- metropolitan area, *Inter. J. Climatol.*, 31, 313-323, doi: 10.1002/joc.2222.
- 8620 Dunn, R. A., and F. Martinez, 2011, Contrasting crustal production and rapid mantle transitions beneath back-arc ridges, *Nature*, 469(7329), 198-202.
- 8621 Nestola, F., D. et al. [M. H. Manghnani], 2011, New accurate elastic parameters for the forsterite-fayalite solid solution, *Am. Mineral.*, 96(11-12), 1742-1747, doi: 10.2138/am.2011.3829.
- 8622 Fedortchouk, Y., M. Manghnani, A. Hushur, A. Shiryayev, and F. Nestola, 2011, An atomic force microscopy study of diamond dissolution features: the effect of H<sub>2</sub>O and CO<sub>2</sub> in the fluid on diamond morphology, *Am. Mineral.*, 96(11-12), 1768-1775, <http://dx.doi.org/10.2138/am.2011.3828>.
- 8623 Fee, D., M. Garces, T. Orr, and M. Poland, 2011, Infrasound from the 2007 fissure eruptions of Kilauea Volcano, Hawaii, *Geophys. Res. Lett.*, 38(6), L06309, doi: 10.1029/2010GL046422.
- 8624 Glotch, T. D., et al. [P. G. Lucey, B. Ray Hawke, T. A. Giguere], 2011, The Marian domes: Silicic volcanic constructs on the Moon, *Geophys. Res. Lett.*, 38(21), L21204, doi: 10.1029/2011GL049548.
- 8625 Wessel, P., D. T. Sandwell, and S.-S. Kim, 2010, The global seamount census, *Oceanography*, 23(1), 24-33, doi: 10.5670/oceanog.2010.60.
- 8626 Hagerty, J. J., D. J. Lawrence, and B. R. Hawke, 2011, Thorium abundances of basalt ponds in South Pole-Aitken Basin: Insights into the composition of the far side lunar mantle, *J. Geophys. Res.-Planets*, 116(E6), E06001, doi: 10.1029/2010JE003723.
- 8627 Hallis, L. J., and G. J. Taylor, 2011, Comparisons of the four Miller Range nakhlites, MIL 03346, 090030, 090032 and 090136: Textural and compositional observations of primary and secondary mineral assemblages, *Meteorit. Planet. Sci.*, 46(12), 1787-1803, doi: 10.1111/j.1945-5100.2011.01293.x.
- 8628 Hammond, W. C., et al. [B. A. Brooks], 2011, The scientific value of high-rate, low-latency GPS data, *Eos Trans. AGU*, 92(15), 125-132, doi:10.1029/2011EO150001.
- 8629 Harris, A. J. L., M. Favalli, R. Wright, and H. Garbeil, 2011, Hazard assessment at Mount Etna using a hybrid lava flow inundation model and satellite-based land classification, *Nat. Hazards*, 58(3), 1001-1027.
- 8630 Harris, A., A. Steffke, S. Calvari, and L. Spampinato, 2011, Thirty years of satellite-derived lava discharge rates at Etna: Implications for steady volumetric output, *J. Geophys. Res.-Solid Earth*, 116(B8), B08204, doi: 10.1029/2011JB008237.
- 8631 Herrick, R. R., and M. E. Rumpf, 2011, Postimpact modification by volcanic or tectonic processes as the rule, not the exception, for Venus craters, *J. Geophys. Res.-Planets*, 116(E2), E02004, doi: 10.1029/2010JE003722.
- 8632 Hong, P. K., et al. [P. G. Lucey], 2011, A ground-based observation of the LCROSS impact events using the Subaru Telescope, *Icarus*, 214(1), 21-29, doi: 10.1016/j.icarus.2011.05.008.
- 8633 Laaidi, K., et al. [B. Dousset], 2011, The impact of heat islands on mortality in Paris during the August 2003 heatwave, *Environ. Health Perspect.*, 120(2), 254-259, doi: 10.1289/ehp.1103532.

- 8634 Lentz, R. C. F., et al. [G. J. Taylor], 2011, Theo's Flow (Ontario, Canada): A terrestrial analog for the Martian nakhlite meteorites, *Geol. Soc. Am. Spec. Pub.*, 483, 263-277, doi: 10.1130/2011.2483(17).
- 8635 Lucey, P. G., and M. A. Riner, 2011, The optical effects of small iron particles that darken but do not redden: Evidence of intense space weathering on Mercury, *Icarus*, 212, 451-462.
- 8636 Nestola, F., et al. [M. H. Manghnani], 2011, First crystal-structure determination of olivine in diamond: Composition and implications for provenance in the Earth's mantle, *Earth Planet. Sci. Lett.*, 305, 249-255, doi: 10.1016/j.epsl.2011.03.007.
- 8637 Pezzotti, G., H. Sueoka, A. A. Porprati, M. Manghnani, and W. Zhu, 2011, Raman tensor elements for wurtzitic GaN and their application to assess crystallographic orientation at film/substrate interfaces, *J. Appl. Phys.*, 110(1), 013527-013527-10, doi: 10.1063/1.3606419.
- 8638 Stark, N., et al. [R. Wilkens], 2011, Geotechnical properties of sandy seafloors and the consequences for dynamic penetrometer interpretations: Quartz sand vs. carbonate sand, *Geotech. Geol. Eng.*, 30(1), 1-14, doi: 10.1007/s10706-011-9444-7.
- 8639 Williams, R. M. E., et al. [J. Boyce], 2011, Evidence for episodic alluvial fan formation in far western Terra Tyrrhena, Mars, *Icarus*, 211(1), 222-237, doi: 10.1016/j.icarus.2010.10.001.
- 8640 Wessel, P., 2010, Oceanic hotspots, in Hopley, D. (ed.), *Encyclopedia of Modern Coral Reefs*, Springer Verlag, p. 737-740, doi: 10.1007/978-90-481-2639-2\_120.
- 8641 Yang J., et al. [E. R. D. Scott], 2011, Thermal and impact histories of reheated group IVA, IVB, and ungrouped iron meteorites and their parent asteroids, *Meteorit. Planet. Sci.*, 46(9), 1227-1252, doi:10.1111/j.1945-5100.2011.01210.x.
- 8642 Zinin, P., et al. [L. Tatsumi-Petrochilos, L. Bonal, J. Hammer, S. Gilder], 2011, Raman spectroscopy of the titanomagnetites: calibration of the intensity of Raman peaks as a sensitive indicator of the Ti content, *Am. Mineral.*, 96(10), 1537-1546, doi: 10.2138/am.2011.3745.
- 8643 McGregor, S., A. Timmermann, N. Schneider, M. F. Stuecker, and M. H. England, 2012, The effect of the South Pacific Convergence Zone on the termination of El Niño events and the meridional asymmetry of ENSO, *J. Climate*, 25(16), 5566-5586, IPRC-857, doi: 10.1175/JCLI-D-11-00332.1.
- 8644 Seminoff, J. A., et al. [K. E. Arthur, B. N. Popp], 2012, Stable isotope tracking of endangered sea turtles: validation with satellite telemetry and  $\delta^{15}\text{N}$  analysis of amino acids, *PLOS ONE*, 7(5), e37403, doi: 10.1371/journal.pone.0037403.
- 8645 Void (no publication information available).
- 8646 Beghi, M. G., A. G. Every, V. Prakapenka, and P. V. Zinin, 2012, Measurements of the elastic properties of solids by Brillouin spectroscopy, in Kundu, T. (ed.), *Ultrasonic Nondestructive Evaluation: Engineering and Biological Material Characterization*, Taylor & Francis, N.Y., Chapter 10, second edition, p. 540-612.
- 8647 Brooks, B. A., et al. [D. Manjunath, J. Foster], 2012, Contemporaneous subsidence and levee overtopping potential, Sacramento-San Joaquin Delta, California, *SFEWS*, 10(1), 18 pp, doi: 10.15447/sfew.2012v10iss1art4.

- 8648 Denevi, B. W., et al. [B. R. Hawke], 2012, Physical constraints on impact melt properties from Lunar Reconnaissance Orbiter Camera images, *Icarus*, 219(2), 665-675, doi: 10.1016/j.icarus.2012.03.020.
- 8649 Wessel, P., 2010, Plate tectonics, in Hopley, D. (ed.), *Encyclopedia of Modern Coral Reefs*, Springer Verlag, p. 801-812, doi: 10.1007/978-90-481-2639-2\_8.
- 8650 Englert, P., 2011, Planetary gamma ray spectrometry: Remote sensing of elemental abundances, *Proc. Radiochemistry, Suppl. Radiochim. Acta*, 1(1), 349-355.
- 8651 Garcés, M. A., D. Fee, and R. Matoza, 2012, Volcano acoustics, in Fagents, S. A., R. M. C. Lopes, and T. K. P. Gregg (eds.), *Modeling Volcanic Processes: The Physics and Mathematics of Volcanism*, Cambridge University Press, Cambridge, Chapter 16, p. 359-383, doi: 10.1017/CBO9781139021562.016.
- 8652 Hey, R., 2011, Seafloor spreading, in Gupta, H. (ed.), *Encyclopedia of Solid Earth Geophysics*, Article 00171, Springer, Dordrecht, ISBN 978-90-481-8701-0, p. 1055-1059.
- 8653 Joos, F., et al. [T. Friedrich, F. T. Mackenzie, A. Timmermann], 2013, Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis, *Atmos. Chem. Phys.*, 13, 2793-2825, IPRC-883, doi: 10.5194/acp-13-2793-2013.
- 8654 Mouginis-Mark, P. J., and T. D. Jones, 2015, Views of the Kamchatka-Kuriles-Aleutian volcanoes from manned spacecraft, in Dean, K. G., and J. Dehn (eds.), *Satellite Monitoring Volcanoes in the North Pacific: Observations from Space*, Springer-Praxis Books, p. 303-321.
- 8655 Ohara, Y., et al. [F. Martinez], 2012, A serpentinite-hosted ecosystem in the Southern Mariana Forearc, *PNAS*, 109(8), 2831-2835, doi: 10.1073/mnas.1112005109.
- 8656 Ogliore, R. C., et al. [G. R. Huss, K. Nagashima], 2012, Incorporation of a late-forming chondrule into comet Wild 2, *Astrophys. J.*, 745(2), L19, doi: 10.1088/2041-8205/745/2/L19.
- 8657 Petrovsky, E., E. Herrero-Bervera, T. Harinarayana, and D. Ivers, 2011, *The Earth's Magnetic Interior*, IAGA Special Book Series 1, Springer Netherlands, 455 pp, doi: 10.1007/978-94-007-0323-0.
- 8658 Pollitz, F., et al. [B. Brooks, J. Foster], 2012, Coseismic slip distribution of the February 27, 2010 Mw 8.9 Maule, Chile earthquake, *Geophys. Res. Lett.*, 38(9), L09309, doi: 10.1029/2011GL047065.
- 8659 Robinson, K. L., A. H. Treiman, and K. H. Joy, 2012, Basaltic fragments in lunar feldspathic meteorites: Connecting sample analyses to orbital remote sensing, *Meteorit. Planet. Sci.*, 47(3), 387-399.
- 8660 Vigny, C., et al. [B. Brooks], 2012, The 2010 (Mw 8.8) Maule mega-thrust earthquake of central Chile, monitored by GPS, *Science*, 332(6036), 1417-1421, doi: 10.1126/science.1204132.
- 8661 Westerhold, T., et al. [R. Wilkens], 2012, Revised composite depth scales and integration of IODP sites U1331--U1334 and ODP sites 1218--1220, in Palike, H., M. Lyle, H. Nishi, I. Raffi, K. Gamage, A. Klaus, and the Expedition 320/321 Scientists,

- Proc. IODP, 320/321*, Tokyo, Integrated Ocean Drilling Program Management International, Inc., doi: 10.2204/iodp.proc.320321.201.2012.
- 8662 Zinin, P., W. Arnold, W. Weise, S. Berezina, 2012, Theory and applications of conventional and atomic force acoustic microscopies, in Kundu, T. (ed.), *Ultrasonic Nondestructive Evaluation: Engineering and Biological Material Characterization*, Taylor & Francis, N.Y., Chapter 11, second edition, p. 613-687.
- 8663 Paret, M. L., et al. [S. K. Sharma, A. K. Misra, T. Acosta], 2016, A novel Raman marker for rapid identification of *Xanthomonas* sp., *Appl. Environ. Microbiol.* (in press).
- 8664 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2012, Eighteen microsatellite loci for the crown-of-thorns starfish, *Acanthaster planci*, *Conserv. Genet. Resour.*, 4(4), 861-863, HIMB-1494.
- 8665 Taylor, G. J., L. M. V. Martel, and P. D. Spudis, 2012, The Hadley-Apennine KREEP basalt igneous province, *Meteorit. Planet. Sci.*, 47(5), 861-879, doi: 10.1111/j.1945-5100.2012.01364.x.
- 8666 Powell, B. S., I. Janekovic, G. S. Carter, and M. A. Merrifield, 2012, Sensitivity of internal tide generation in Hawaii, *Geophys. Res. Lett.* 39(10), L10606, doi: 10.1029/2012GL051724.
- 8667 Friedrich, T., A. Timmermann, A. Abe-Ouchi, N. R. Bates, M. O. Chikamoto, M. J. Church, J. E. Dore, D. K. Gledhill, M. González-Dávila, M. Heinemann, T. Ilyina, J. H. Jungclaus, E. McLeod, A. Mouchet, and J. M. Santana-Casiano, 2012, Detecting regional anthropogenic trends in ocean acidification against natural variability, *Nature Clim. Change*, 2, 167-171, IPRC-829, doi: 10.1038/nclimate1372.
- 8668 Zhang, C., Y. Wang, A. Lauer, and K. Hamilton, 2012, Configuration and evaluation of the WRF model for the study of Hawaiian regional climate, *Mon. Weather Rev.*, 140(10), 3259-3277, IPRC-884, doi: 10.1175/MWR-D-11-00260.1.
- 8669 Liu, F., and B. Wang, 2012, A frictional skeleton model for the Madden-Julian oscillation, *J. Atmos. Sci.*, 69(9), 2749-2758, IPRC-885, doi: 10.1175/JAS-D-12-020.1.
- 8670 Combes, M., et al. [C. P. Conrad], 2012, Multiagent simulation of evolutive plate tectonics applied to the thermal evolution of the Earth, *Geochem. Geophys. Geosyst.*, 13(5), Q05006, doi: 10.1029/2011GC004014.
- 8671 Padilla-Gamino, J. L., X. Pochon, C. E. Bird, G. T. Concepcion, and R. D. Gates, 2012, From parent to gamete: Vertical transmission of Symbiodinium (Dinophyceae) ITS2 sequence assemblages in the reef building coral *Montipora capitata*, *PLOS ONE*, 7(6), e38440, doi: 10.1371/journal.pone.0038440.
- 8672 Ruban, D., C. P. Conrad, and A. J. van Loon, 2010, The challenge of reconstructing the Phanerozoic sea level and the Pacific Basin tectonics, *Geologos*, 16, 237-245.
- 8673 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2012, Development of 15 microsatellite loci for *Protoreaster nodosus* (Echinodermata: Asteroidea), *Conserv. Genet. Resour.*, 4, 873-875, HIMB-1495.
- 8674 Vanderkluysen, L., A. J. L. Harris, K. Kelfoun, C. Bonadonna, and M. Ripepe, 2012, Bombs behaving badly: Unexpected trajectories and cooling of volcanic projectiles, *Bull. Volcanol.*, 74, 1849-1858, doi: 10.1007/s00445-012-0635-8.



- 8675 Qi, L., and Y. Wang, 2012, Changes in the observed trends in extreme temperatures over China around 1990, *J. Climate*, 25(15), 5208-5222, IPRC-886, doi: 10.1175/JCLI-D-11-00437.1.
- 8676 Koseki, S., T. Nakamura, H. Mitsudera, and Y. Wang, 2012, Modeling low-level clouds over the Okhotsk Sea in summer: Cloud formation and its effects on the Okhotsk high, *J. Geophys. Res.-Atmos.*, 117(D5), D05208, IPRC-887, doi: 10.1029/2011JD016462.
- 8677 Moon, J.-Y., B. Wang, K.-J. Ha, and J.-Y. Lee, 2013, Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation, *Clim. Dyn.*, 40(11-12), 2761-2774, IPRC-888, doi: 10.1007/s00382-012-1394-0.
- 8678 Riner, M. A., and P. G. Lucey, 2012, Spectral effects of space weathering on Mercury: The role of composition and environment, *Geophys. Res. Lett.*, 39(12), L12201, HIGP-1934, doi: 10.1029/2012GL052065.
- 8679 Massaro, R. F. S., et al. [E. H. De Carlo, P. S. Drupp, F. T. Mackenzie], 2012, Multiple factors driving variability of CO<sub>2</sub> exchange between the ocean and atmosphere in a tropical coral reef environment, *Aquat. Geochem.*, 18(4), 357-386, doi: 10.1007/s10498-012-9170-7.
- 8680 Kosaka, Y., J.S. Chowdary, S.-P. Xie, Y.-M. Min, and J.-Y. Lee, 2012, Limitations of seasonal predictability for summer climate over East Asia and the Northwestern Pacific, *J. Climate*, 25(21), 7574-7589, IPRC-889, doi: 10.1175/JCLI-D-12-00009.1.
- 8681 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2012, Development of eighteen polymorphic microsatellite loci for the banded coral shrimp, *Stenopus hispidus*, *Conserv. Genet. Resour.*, 4, 947-949, HIMB-1497.
- 8682 Qu, T., T.-L. Chiang, C.-R. Wu, P. Dutrieux, and D. Hu, 2012, Mindanao current/undercurrent in an eddy-resolving GCM, *J. Geophys. Res.-Oceans*, 117(C6), C06026, IPRC-890, doi: 10.1029/2011JC007838.
- 8683 Stat, M., et al. [Z. Forsman, M. Huggett, X. Pochon, D. Skillings, R. Toonen, R. D. Gates], 2012, Molecular delineation of species in the coral Holobiont, *Adv. Mar. Biol.*, 63, 1-65, HIMB-1499, doi: 10.1016/B978-0-12-394282-1.00001-6.
- 8683 (duplicate number) Murakami, H., M. Sugi, and A. Kitoh, 2013, Future changes in tropical cyclone activity in the North Indian Ocean projected by high-resolution MRI-AGCMs, *Clim. Dyn.*, 40(7-8), 1949-1968, IPRC-891, doi: 10.1007/s00382-012-1407-z.
- 8684 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2012, Isolation and characterization of nineteen microsatellite loci for the collector sea urchin, *Tripneustes gratilla*, *Conserv. Genet. Resour.*, 4(4), 963-965, HIMB-1500.
- 8685 Wang, H., B. Wang, F. Huang, Q. Ding, and J.-Y. Lee, 2012, Interdecadal changes of the boreal summer circumglobal teleconnection (1958-2010), *Geophys. Res. Lett.*, 39, L12704, IPRC-892, doi: 10.1029/2012GL052371.
- 8686 Robinson, M. S., et al. [B. R. Hawke], 2012, Confirmation of sublunarean voids and thin layering mare deposits, *Planet. Space Sci.*, 69(1), 18-27, doi: 10.1016/j.pss.2012.05.008.
- 8687 Li, T., X. Ge, M. Peng, and W. Wang, 2012, Dependence of tropical cyclone

- intensification on the Coriolis parameter, *Trop. Cyclone Res. Rev.*, 1(2), 242-253, IPRC-893, doi: 10.6057/2012TCRR02.04.
- 8688 Measures, C. I., M. Hatta, and M. M. Grand, 2012, Bioactive trace metal distributions and biogeochemical controls in the Southern Ocean, *Oceanogr.*, 25(3), 122-133, <http://dx.doi.org/10.5670/oceanog.2012.85>.
- 8689 Hsu, P.-C., and T. Li, 2012, Is "rich-get-richer" valid for Indian Ocean and Atlantic ITCZ? *Geophys. Res. Lett.*, 39, L13705, IPRC-894, doi: 10.1029/2012GL052399.
- 8690 Xiang, B., B. Wang, and T. Li, 2013, A new paradigm for the predominance of standing Central Pacific Warming after the late 1990s, *Clim. Dyn.*, 41(2), 327-340, IPRC-895, doi: 10.1007/s00382-012-1427-8.
- 8691 Au, W. W. L., B. Branstetter, P. Moore, and J. Finneran, 2012, Dolphin biosonar signals measured at extreme off-axis angles: Insights to sound propagation in the head, *J. Acoust. Soc. Am.*, 132(2), 1199-206, HIMB-1501, doi: 10.1121/1.4730901.
- 8692 Gaither, M. R., and J. E. Randall, 2012, Reclassification of the Indo-Pacific Hawkfish *Cirrhites pinnulatus* (Forster), *Zootaxa*, 3599(2), 189-196, HIMB-1502, doi: <http://dx.doi.org/10.11646/zootaxa.3599.2.5>.
- 8693 Lemond, D., W. W. L. Au, S. Vlachos, P. E. Nachtigall, 2012, High-frequency auditory filter shape for the Atlantic bottlenose dolphin, *J. Acoust. Soc. Am.*, 132(2), 1222-8, HIMB-1503.
- 8694 Puritz, J. B., et al. [R. J. Toonen], 2012, Extraordinarily rapid life history divergence between Cryptasterina sea star species, *Proc. R. Soc. B*, 279(1744), 3914-3922, HIMB-1505, doi: 10.1098/rspb.2012.1343.
- 8695 Jungbluth, S. P., J. Grote, H.-T. Lin, J. P. Cowen, and M. S. Rappé, 2013, Microbial diversity within basement fluids of the sediment-buried Juan de Fuca Ridge flank, *ISME J.*, 7, 161-172, HIMB-1504, doi: 10.1038/ismej.2012.73.
- 8696 Huss, G. R., K. Nagashima, A. J. G. Jurewicz, D. S. Burnett, and C. T. Olinger, 2012, The isotopic composition and fluences of solar wind nitrogen in a genesis B/C array collector, *Meteorit. Planet. Sci.*, 47(9), 1436-1448, HIGP-1977, doi: 10.1111/j.1945-5100.2012.01406.x.
- 8697 Misra, A. K., S. K. Sharma, T. E. Acosta, J. N. Porter, and D. E. Bates, 2012, Single pulse standoff Raman detection of chemicals from 120 m distance during daytime, *Appl. Spectrosc.*, 66(11), 1279-85, doi: 10.1366/12-06617.
- 8698 Yamazaki, Y., K. F. Cheung, and T. Lay, 2013, Generation mechanism and near-field dynamics of the 2011 Tohoku tsunami, *Bull. Seis. Soc. Am.*, 103, 1444-1455, doi: 10.1785/0120120103.
- 8699 Stopa, J. E., K. F. Cheung, H. L. Holman, and A. Chawla, 2013, Patterns and cycles in the climate forecast system reanalysis wind and wave data, *Ocean Model.*, 70, 207-220.
- 8700 Boyce, J. M., L. Wilson, P. J. Mougins-Mark, C. W. Hamilton, and L. L. Tornabene, 2012, Origin of small pits in Martian impact craters, *Icarus*, 221(1), 262-275.
- 8701 Herrero-Bervera, E., and E. Canon-Tapia, 2013, On the directional geomagnetic signature of the Pringle Falls Excursion recorded at Pringle Falls, Oregon, USA, in Jovane, L., E. Herrero-Bervera, L. A. Hinnov, and B. A. Housen (eds.), *Magnetic*

*Methods and the Timing of Geological Processes*, Geol. Soc. London Spec. Pub., 373(1), 261-278.

- 8702 Friedrich, T., and A. Timmermann, 2012, Millennial-scale glacial meltwater pulses and their effect on the spatio-temporal benthic  $\delta^{18}\text{O}$  variability, *Paleoceanogr.*, 27(3), IPRC-896, doi: 10.1029/2012PA002330.
- 8703 Ge, X., T. Li, and M. Peng, 2013, Tropical cyclone genesis efficiency: mid-level versus bottom vortex, *J. Trop. Meteorol.*, 19(3), 197-213, IPRC-897.
- 8704 Chung, P.-H., and T. Li, 2013, Interdecadal relationship between the mean state and El Niño types, *J. Climate*, 26(2), 361-379, IPRC-898, doi: 10.1175/JCLI-D-12-00106.1.
- 8705 Zhao, C.-B., T. Li, and T. Zhou, 2013, Precursor signals and processes associated with MJO initiation over the tropical Indian Ocean, *J. Climate*, 26(1), 291-307, IPRC-899, doi: 10.1175/JCLI-D-12-00113.1.
- 8706 Gaither, M. R., R. J. Toonen, B. W. Bowen, 2012, Coming out of the starting blocks: Extended lag time rearranges genetic diversity in introduced marine fishes of Hawai'i, *Proc. R. Soc. B*, HIMB-1506, doi: 10.1098/rspb.2012.1481.
- 8707 Ravizza, G., and D. VonderHaar, 2012, A geochemical clock in earliest Paleogene pelagic carbonates based on the impact-induced Os isotope excursion at the Cretaceous-Paleogene boundary, *Paleoceanogr.*, 27(3), PA3219, doi: 10.1029/2012PA002301 (formerly SOEST 8684).
- 8708 Dykes, A. C., P. Anastasiadis, J. S. Allen, and S. K. Sharma, 2012, In vitro quantitation of human femoral artery atherosclerosis using near-infrared Raman spectroscopy, in Cullum, B. M., and E. S. McLamore (eds.), *Smart Biomedical and Physiological Sensor Technology IX, Proc. SPIE 8367*, 836705 (16 May 2012), HIGP-1982, doi: 10.1117/12.918520.
- 8709 Zhang, C. X., Y. Wang, A. Lauer, K. Hamilton, and F. Xie, 2012, Cloud base and top heights in the Hawaiian region determined with satellite and ground-based measurements, *Geophys. Res. Lett.*, 39, L15706, IPRC-900, doi: 10.1029/2012GL052355.
- 8710 Joy, K. H., et al. [K. Nagashima, G. R. Huss], 2012, Direct detection of projectile relics from the end of the Lunar basin-forming epoch, *Science*, 336(6087), 1426-1429, HIGP-1983, doi: 10.1126/science.1219633.
- 8711 Yang, L., Y. Du, S.-P. Xie, and D. Wang, 2012, An inter-decadal change of tropical cyclone activity in the South China Sea in early 1990s, *Chin. J. Oceanol. Limnol.*, 30(6), 953-959
- 8712 Supin, A. Y., P. E. Nachtigall, and M. Breese, 2012, A whale better adjusts the biosonar to ordered rather than to random changes in the echo parameters, *J. Acoust. Soc. Am.*, 132(3), 1811-9, HIMB-1507, doi: 10.1121/1.4739456.
- 8713 DiBattista, J. D., L. A. Rocha, M. T. Craig, K. A. Feldheim, and B. W. Bowen, 2012, Phylogeography of two closely related Indo-Pacific butterflyfishes reveals divergent evolutionary histories and discordant results from mtDNA and microsatellites, *J. Hered.*, 103(5), 617-629, HIMB-1508, doi: 10.1093/jhered/ess056.
- 8714 Ruttenberg, K. C., and S. D. Dyhrman, 2012, Dissolved organic phosphorus production during simulated phytoplankton blooms in a coastal upwelling system, *Front.*

- Microbiol.*, 3, article 274, doi: 10.3389/fmicb.2012.00274.
- 8715 Smyth J. R., et al. [G. R. Huss, E. Hellebrand], 2012, Olivine-sadsleyite-pyroxene topotaxy: Evidence for coherent nucleation and diffusion-controlled growth at the 410-km discontinuity, *Phys. Earth Planet. Int.*, 200-201, 85-91, HIGP-1984, <http://dx.doi.org/10.1016/j.pepi.2012.04.003>.
- 8716 Wielandt D., et al. [K. Nagashima, A. N. Krot, G. R. Huss], 2012, Evidence for multiple sources of <sup>10</sup>Be in the early solar system, *Astrophys. J. Lett.*, 748, L25, HIGP-1985, doi: 10.1088/2041-8205/748/2/L25.
- 8717 Yeh, S.-W., Y.-G. Ham, and J.-Y. Lee, 2012, Changes in the tropical Pacific SST trend from CMIP3 to CMIP5 and its implication of ENSO, *J. Climate*, 25(21), 7764-7771, IPRC-902, doi: 10.1175/JCLI-D-12-00304.1.
- 8718 Colman, A., et al. [J. M. Sinton, K. H. Rubin, D. E. Eason, C. Russo], 2012, Effects of variable magma supply on mid-ocean ridge eruptions: Constraints from mapped lava flow fields along the Galápagos Spreading Center, *Geochem. Geophys. Geosys.*, 13(8), Q08014, doi: 10.1029/2012GC004163.
- 8719 Smith, C. R., et al. [P. Srsen, L. Grange, V. Evrard, F. DeLeo], 2012, Pelagic-benthic coupling, food banks, and climate change on the west Antarctic peninsula shelf, *Oceanogr.*, 25(3), 188-201, doi: 10.5670/oceanog.2012.94.
- 8720 Bishop, J. L., et al. [P. A. J. Englert], 2014, Mineralogical analyses of surface sediments in the Antarctic dry valleys: coordinated analyses of Raman spectra, reflectance spectra and elemental abundances, *Phil. Trans. R. Soc. A*, 20140198.
- 8721 Ou, H., W. Au, and J. Oswald, 2012, A non-spectrogram-correlation method of automatically detecting minke whale boings, *J. Acoust. Soc. Am.*, 132(4), EL317-22, HIMB-1510.
- 8722 Stopa, J. E., K. F. Cheung, M. A. Garces, and N. Badger, 2012, Atmospheric infrasound from nonlinear wave interactions during Hurricane Felicia and Neki of 2009, *J. Geophys. Res.-Oceans*, 117(C12), C12017, doi: 10.1029/2012JC008257.
- 8723 Gao, J., and T. Li, 2012, Interannual variation of multiple tropical cyclone events in the Western North Pacific, *Advance Atmos. Sci.*, 29(6), 1279-1291, IPRC-903, doi: 10.1007/s00376-012-1031-1.
- 8724 Li, Z., W. Yu, T. Li, V. S. N. Murty, F. Tangang, 2013, Bimodal character of cyclone climatology in Bay of Bengal modulated by monsoon seasonal cycle, *J. Climate*, 26(3), 1033-1046, IPRC-904, doi: 10.1175/JCLI-D-11-00627.1.
- 8725 Li, K., et al. [T. Li], 2013, Structures and mechanisms of the first-branch northward-propagating intraseasonal oscillation over the tropical Indian Ocean, *Clim. Dyn.*, 40(7-8), 1707-1720, IPRC-905, doi: 10.1007/s00382-012-1492-z.
- 8726 Fabina, N. S., H. M. Putnam, M. Stat, E. C. Franklin, and R. D. Gates, 2012, Transmission mode predicts specificity and interaction patterns in coral-Symbiodinium networks, *PLOS ONE*, 7(9), e44970, doi: 10.1371/journal.pone.0044970.
- 8727 Putnam, H. M., M. Stat, X. Pochon, and R. D. Gates, 2012, Endosymbiotic flexibility associates with environmental sensitivity in scleractinian corals, *Proc. R. Soc. B*, 279(1746), 4352, HIMB-1512, doi: 10.1098/rspb.2012.1454.
- 8728 Uchikawa, J., and R. E. Zeebe, 2012, The effect of carbonic anhydrase on the kinetics

- and equilibrium of the oxygen isotope exchange in the CO<sub>2</sub>-H<sub>2</sub>O system: Implications for δ<sup>18</sup>O vital effects in biogenic carbonates, *Geochim. Cosmochim. Acta*, 95, 15-34.
- 8729 Natarov, S. I., and C. P. Conrad, 2012, The role of Poiseuille flow in creating depth-variation of asthenospheric shear, *Geophys. J. Int.*, 190, 1297-1310.
- 8730 Padilla-Gamiño, J. L., K. M. Hanson, M. Stat, and R. D. Gates, 2012, Phenotypic plasticity of the coral *Porites rus*: acclimatization responses to a turbid environment, *J. Exp. Mar. Biol. Ecol.*, 434/435, 71-80, HIMB-1513.
- 8731 Lund, M. T., et al. [A. Lauer], 2012, Global-mean temperature change from shipping toward 2050: Improved representation of the indirect aerosol effect in simple climate models, *Environ. Sci. Technol.*, 46(16), 8868-8877, IPRC-906, doi: 10.1021/es301166e.
- 8732 Apprill, A., H. Q. Marlow, M. Q. Martindale, and M. S. Rappé, 2012, Specificity of bacteria associated with the coral *Pocillopora meandrina* during early development, *Appl. Environ. Microbiol.*, 78, 7467-7475, HIMB-1514.
- 8733 Wang, B., S. Xu, and L. Wu, 2012, Intensified Arabian Sea tropical storms, *Nature*, 489(7416), E1-E2, IPRC-907, doi: 10.1038/nature11470.
- 8734 Karl, S. A., B. J. Wainwright, and I. S. Arlyza, 2013, Isolation and characterization of twenty-three polymorphic microsatellite loci for *Linckia laevigata*, *Conserv. Genet. Resour.*, 5(1), 157-159, HIMB-1515.
- 8735 Ma, J., and S.-P. Xie, 2013, Regional patterns of sea surface temperature change: A source of uncertainty in future projections of precipitation and atmospheric circulation, *J. Climate*, 26(8), 2482-2501, IPRC-908, doi: 10.1175/JCLI-D-12-00283.1.
- 8736 Riddle, E. E., et al. [N. C. Johnson], 2013, The impact of the MJO on clusters of wintertime circulation anomalies over the North America region, *Clim. Dyn.*, 40(7-8), 1749-1766, IPRC-909, doi: 10.1007/s00382-012-1493-y.
- 8737 Telus, M., G. R. Huss, R. C. Ogliore, K. Nagashima, and S. Tachibana, 2012, Recalculation of data for short-lived radionuclide systems using less-biased ratio estimation, *Meteorit. Planet. Sci.*, 47(12), 2013-2030, doi: 10.1111/maps.12041.
- 8738 Chang, C.-H., et al. [S.-P. Xie, N. Schneider, B. Qiu], 2012, East Pacific ocean eddies and their relationship to subseasonal variability in Central American wind jets, *J. Geophys. Res.-Oceans*, 117(C10), C10001, IPRC-910, doi: 10.1029/2011JC007315.
- 8739 Gaither, M. R., and J. E. Randall, 2012, On the validity of the cirrhitid fish genus *Itycirrhitus*, *Aqua*, 18(4), 219-226, HIMB-1516.
- 8740 Johnson, A. E., B. S. Powell, and G. F. Steward, 2013, Characterizing the effluence near Waikiki, Hawaii with a coupled biophysical model, *Cont. Shelf. Res.*, 54, 1-13.
- 8741 Chandler, M. T., and P. Wessel, 2012, Errata-based correction of marine geophysical trackline data, *Geochem. Geophys. Geosyst.*, 13(10), Q10004, doi: 10.1029/2012GC004294.
- 8742 Liu, P., et al. [T. Li, B. Wang], 2013, MJO change with A1B global warming estimated by the 40-km ECHAM5, *Clim. Dyn.*, 41(3), 1009-1023, IPRC-911, doi: 10.1007/s00382-012-1532-8.
- 8743 Valet, J.-P., A. Fournier, V. Courtillot, and E. Herrero-Bervera, 2012, Dynamical similarity of geomagnetic field reversals, *Nature*, 490(7418), 89-93, HIGP-1987, doi:

10.1038/nature11491.

- 8744 Lee, J.-Y., et al. [B. Wang, X. Fu], 2013, Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region, *Clim. Dyn.*, 40(1), 493-509, IPRC-912, doi: 10.1007/s00382-012-1544-4.
- 8745 Ha, K.-J., et al. [J.-Y. Lee, B. Wang], 2012, What causes cool summer over northern Central Asia, East Asia, and central North America during 2009? *Environ. Res. Lett.*, 7(4), 44015, IPRC-913, doi: 10.1088/1748-9326/7/4/044015.
- 8746 Kerry, C. G., B. S. Powell, and G. S. Carter, 2013, Effects of remote generation sites on model estimates of M2 internal tides in the Philippine Sea, *J. Phys. Oceanogr.*, 43(1), 187-204, doi: 10.1175/JPO-D-12-081.1.
- 8747 Powell, B. S., C. G. Kerry, and B. D. Cornuelle, 2013, Using a numerical model to understand the connection between the ocean and acoustic travel-time measurements, *J. Acoust. Soc. Am.*, 134(4), 3211-22, doi: 10.1121/1.4818786.
- 8748 Liu, F., and B. Wang, 2013, Mechanisms of global teleconnections associated with the Asian summer monsoon: An intermediate model analysis, *J. Climate*, 26(5), 1791-1806, IPRC-914, doi: 10.1175/JCLI-D-12-00243.1.
- 8749 Edmunds, P. J., H. M. Putnam, and R. D. Gates, 2012, Photophysiological consequences of vertical stratification of *Symbiodinium* in tissue of the coral *Porites lutea*, *Biol. Bull.*, 223(2), 226-235, HIMB-1518.
- 8750 Husson, L., and C. P. Conrad, 2012, On the location of hotspots in the framework of mantle convection, *Geophys. Res. Lett.*, 39, L17304, doi: 10.1029/2012GL052866.
- 8751 Sharma, S. K., J. N. Porter, A. K. Misra, C. E. Helsley, and D. E. Bates, 2013, Scanning time-resolved standoff Raman instrument for large-area mineral detection on planetary surfaces, *Eur. J. Mineral.*, 25(5), 715-720.
- 8752 Wilson, L., and K. Keil, 2012, Volcanic activity on differentiated asteroids: a review and analysis, *Chem. Erde-Geochem.*, 72(4), 289-322.
- 8753 Padilla-Gamino, J. L., et al. [R. R. Bidigare, D. J. Barshis, L. Hedouin, F. Kandel, S. Leon Soon, C. Portocarrero, S. A. Wagenhauser, R. D. Gates], 2013, Are all eggs created equal? A case study from the Hawaiian reef-building coral *Montipora capitata*, *Coral Reefs*, 32(1), 137-152, HIMB 15-19, doi: 10.1007/s00338-012-0957-1.
- 8754 Puritz, J. B., and R. J. Toonen, 2013, Next-generation sequencing for high-throughput molecular ecology: a step-by-step protocol for targeted multilocus genotyping by pyrosequencing, in Kantartzis, S. K. (ed), *Microsatellites: Methods in Molecular Biology*, 1006, 89-99, HIMB-1520.
- 8755 Fernandez-Silva, I., and R. J. Toonen, 2013, Optimizing selection of microsatellite loci from 454 pyrosequencing via post-sequencing bioinformatic analyses, in Kantartzis, S. K. (ed), *Microsatellites: Methods in Molecular Biology*, 1006, 101-120, HIMB-1521.
- 8756 Xiang, B., and B. Wang, 2013, Mechanisms for the advanced Asian Summer Monsoon onset since the mid-to-late 1990s, *J. Climate*, 26(6), 1993-2009, IPRC-915, doi: 10.1175/JCLI-D-12-00445.1.
- 8757 Aparna, S.G., J. P. McCreary, D. Shankar, and P. N. Vinayachandran, 2012, Signatures of Indian Ocean Dipole and El Niño-Southern Oscillation events in sea level variations

- in the Bay of Bengal, *J. Geophys. Res.-Oceans*, 117(C10), C10012, IPRC-916, doi: 10.1029/2012JC008055.
- 8758 White, A. E., et al. [B. N. Popp, K. E. Arthur], 2013, Nitrogen fixation in the Gulf of California and the Eastern Tropical North Pacific, *Prog. Oceanogr.*, 109, 1-17, <http://dx.doi.org/10.1016/j.pocean.2012.09.002>.
- 8759 Lee, J.-Y., and B. Wang, 2014, Future change of global monsoon in the CMIP5, *Clim. Dyn.*, 42(1-2), 101-119, IPRC-917, doi: 10.1007/s00382-012-1564-0.
- 8760 Liu, F., and B. Wang, 2012, A conceptual model for self-sustained active-break Indian summer monsoon, *Geophys. Res. Lett.*, 39, L20814, IPRC-918, doi: 10.1029/2012GL053663.
- 8761 Ogata, T., S.-P. Xie, J. Lan, and X. Zheng, 2013, Importance of ocean dynamics for the skewness of the Indian Ocean dipole mode, *J. Climate*, 26(7), 2145-2159, IPRC-919.
- 8762 Drazen, J. C., D. M. Bailey, H. A. Ruhl, and K. L. Smith, 2012, The role of carrion supply in the abundance of deep-water fish off California, *PLOS ONE*, 7(11), e49332, doi: 10.1371/journal.pone.0049332.
- 8763 Stimpert, A. K., D. Mattila, W. W. L. Au, and E. M. Nosal, 2012, Tagging young humpback whale calves: methodology and diving behavior, *Endangered Species Res.*, 19, 11-17, HIMB-1522, doi: 10.3354/esr00456.
- 8764 Wright, R., et al. [P. Lucey, M. Wood, H. Garbeil], 2013, BBM/EM design of the thermal hyperspectral imager: An instrument for remote sensing of Earth's surface, atmosphere and ocean, from a micro-satellite platform, *Acta Astronaut.*, 87, 182-192, HIGP-1990.
- 8765 Annamalai, H., J. Hafner, K. P. Sooraj, and P. Pillai, 2013, Global warming shifts the monsoon circulation, drying South Asia, *J. Climate*, 26(9), 2701-2718, IPRC-920, doi: 10.1175/JCLI-D-12-00208.1.
- 8766 Madigan, D. J., et al. [B. N. Popp], 2012, Tissue turnover rates and isotopic trophic discrimination factors in the endothermic teleost, Pacific Bluefin tuna (*Thunnus orientalis*), *PLOS ONE*, 7(11), e49220, doi: 10.1371/journal.pone.0049220.
- 8767 Cha, D.-H., and Y. Wang, 2013, A dynamical initialization scheme for real-time forecasts of tropical cyclones using the WRF model, *Mon. Weather Rev.*, 141(3), 964-986, doi: 10.1175/MWR-D-12-00077.1, IPRC-921.
- 8768 Void (no publication information available).
- 8769 Gonnermann, H. M., et al. [J. H. Foster, C. J. Wolfe, B. Brooks], 2012, Coupling at Mauna Koa and Kilauea by stress transfer in an asthenospheric melt layer, *Nature Geosci.*, 5(11), 826-829, doi: 10.1038/NGEO1612.
- 8770 Quiroga, P. D., and K. F. Cheung, 2013, Laboratory study of wave transformation over bed-form roughness on fringing reefs, *Coast. Eng.*, 80, 35-48.
- 8771 Cai, W., et al. [A. Timmermann, M. J. Widlansky], 2012, More extreme swings of the South Pacific Convergence Zone due to greenhouse warming, *Nature*, 488(7411), 365-369, IPRC-922, doi: 10.1038/nature11358.
- 8772 Widlansky, M. J., et al. [A. Timmermann, K. Stein, N. Schneider], 2013, Changes in South Pacific rainfall bands in a warming climate, *Nature Clim. Change*, 3, 417-423,

- IPRC-923, doi: 10.1038/nclimate1726.
- 8773 Delparte, D. M., et al. [T. Ericksen], 2014, Monitoring tropical alpine lake levels in a culturally sensitive environment utilizing 3D technological approaches, *Arctic Antarctic Alpine Res.*, 46(4), 709-718.
- 8774 Ray, P., and T. Li, 2013, Relative roles of circumnavigating waves and extratropics on the MJO and its relationship with the mean state, *J. Atmos. Sci.*, 70, 876-893, IPRC-925, doi: 10.1175/JAS-D-12-0153.1.
- 8775 Mayfield, A. B., P.-H. Chan, H. M. Putnam, C.-S. Chen, and T.-Y. Fan, 2012, The effects of a variable temperature regime on the physiology of the reef-building coral *Seriatopora hystrix*: results from a laboratory-based reciprocal transplant, *J. Exper. Biol.*, 215, 4183-4195, HIMB-1524.
- 8776 Krot, A. N., et al. [K. Makide, K. Nagashima, G. R. Huss, R. C. Ogliore, E. Hellebrand, E. Gaidos], 2012, Heterogeneous distribution of <sup>26</sup>Al at the birth of the solar system: Evidence from refractory grains and inclusions, *Meteorit. Planet. Sci.*, 47(12), 1948-1979, doi: 10.1111/maps.12008.
- 8777 Lee, J.-Y., S.-S. Lee, B. Wang, K.-J. Ha, and J.-G. Jhun, 2013, Seasonal prediction and predictability of the Asian winter temperature variability, *Clim. Dyn.*, 41(3-4), 573-587, IPRC-926, doi: 10.1007/s00382-012-1588-5.
- 8778 Stopa, J. E., J.-F. Filipot, N. Li, K. F. Cheung, Y.-L. Chen, and L. Vega, 2013, Wave energy resources along the Hawaiian Islands chain, *Renew. Energ.*, 55, 305-321.
- 8779 Chikamoto, Y., M. Kimoto, M. Watanabe, M. Ishii, and T. Mochizuki, 2012, Relationship between the Pacific and Atlantic stepwise climate change during the 1990s, *Geophys. Res. Lett.*, 39, L21710, IPRC-927, doi: 10.1029/2012GL053901.
- 8780 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2013, Isolation and characterization of twenty-six polymorphic microsatellite loci for the tropical sea urchin, *Colobocentrotus atratus*, *Conserv. Genet. Resour.*, 5(2), 379-381, HIMB-1526.
- 8781 Wang, L., T. Li, T. Zhou, and X. Rong, 2013, Origin of the intraseasonal variability over the North Pacific in boreal summer, *J. Climate*, 26(4), 1211-1229, IPRC-928, doi: 10.1175/JCLI-D-11-00704.1.
- 8782 Andrews, K. R., et al. [B. W. Bowen, J. B. Puritz, R. J. Toonen], 2013, The evolving male: Spinner dolphin (*Stenella longirostris*) ecotypes are divergent at Y chromosome but not mtDNA or autosomal markers, *Molec. Ecol.*, 22(9), 2408-2423, HIMB-1527, doi: 10.1111/mec.12193.
- 8783 Li, G., and S.-P. Xie, 2012, Origins of tropical-wide SST biases in CMIP multi-model ensembles, *Geophys. Res. Lett.*, 39, L22703, IPRC-929, doi: 10.1029/2012GL053777.
- 8784 Vander Zanden, H. B., et al. [K. E. Arthur, B. N. Popp], 2013, Trophic ecology of a green turtle breeding population, *Mar. Ecol. Prog. Ser.*, 476, 237-249, doi: 10.3354/meps10185.
- 8785 Ito, G., and T. Bianco, 2014, Patterns in Galápagos magmatism arising from the upper mantle dynamics of plume-ridge interaction, in Harpp, K. S. et al., *The Galápagos as a Laboratory for the Earth Sciences*, Chapter 14, Geophys. Monogr. 204, Amer. Geophys. Union, Washington D. C.
- 8786 Hédouin, L., and R. D. Gates, 2012, Assessing fertilization success of the coral



- Montipora capitata* under copper exposure: Does the night of spawning matter? *Mar. Pollut. Bull.*, 66(1-2), 221-224, HIMB-1528.
- 8787 Jia, Y., G. C. Nihous, and K. J. Richards, 2012, Effects of ocean thermal energy conversion systems on near and far field seawater properties--A case study for Hawaii, *J. Renew. Sustain. Ener.*, 4(6), 063104, IPRC-930, doi: 10.1063/1.4766820.
- 8788 Xu, L., S.-P. Xie, and Q. Liu, 2012, Mode water ventilation and subtropical countercurrent over the North Pacific in CMIP5 simulations and future projections, *J. Geophys. Res.-Oceans*, 117(C12), C12009, IPRC-931, doi: 10.1029/2012JC008377.
- 8789 Halpern, B. S., et al. [K. A. Selkoe], 2013, Marine protected areas and resilience to sedimentation in the Solomon Islands, *Coral Reefs*, 32(1), 61-69, HIMB-1529, doi: 10.1007/s00338-012-0981-1.
- 8790 DiBattista, J. D., et al. [D. J. Skillings, B. W. Bowen], 2013, After continents divide: comparative phylogeography of reef fishes from the Red Sea and Indian Ocean, *J. Biogeogr.*, 40, 1170-1181, HIMB-1530, doi: 10.1111/jbi.12068.
- 8791 Measures, C. I., et al. [M. T. Brown, K. E. Selph, A. Apprill, M. Hatta, W. T. Hiscock], 2013, The influence of shelf processes in delivering dissolved iron to the HNLC waters of the Drake Passage, Antarctica, *Deep-Sea Res. II*, 90, 77-88, doi: 10.1016/j.dsr2.2012.11.004.
- 8792 Hatta, M., C. I. Measures, K. E. Selph, M. Zhou, and W.T. Hiscock, 2013, Iron fluxes from the shelf regions near the South Shetland Islands in the Drake Passage during the austral-winter 2006, *Deep-Sea Res. II*, 90, 89-101.
- 8793 Sperber, K. R., et al. [H. Annamalai, B. Wang], 2013, The Asian summer monsoon: An intercomparison of CMIP5 vs. CMIP3 simulations of the late 20th century, *Clim. Dyn.*, 41(9-10), 2711-2744, IPRC-932, doi: 10.1007/s00382-012-1607-6.
- 8794 Kubokawa, A., S.-P. Xie, F. Kobashi, and H. Mitsudera (eds.), 2012, *New Developments in Mode-Water Research*, Springer Publishers, New York, New York, IPRC-933.
- 8795 Putnam, H. M., A. B. Mayfield, T. Y. Fan, C. S. Chen, and R. D. Gates, 2013, The physiological and molecular responses of larvae from the reef-building coral *Pocillopora damicornis* exposed to near-future increases in temperature and pCO<sub>2</sub>, *Mar. Biol.*, 160(8), 2157-2173, HIMB-1531.
- 8796 Lauer, A., and K. Hamilton, 2013, Simulating clouds with global climate models: A comparison of CMIP5 results with CMIP3 and satellite data, *J. Climate*, 26(11), 3823-3845, IPRC-934, doi: 10.1175/JCLI-D-12-00451.1.
- 8797 Franklin, E. C., P. L. Jokiel, and M. J. Donahue, 2013, Predictive modeling of coral distribution and abundance in the Hawaiian Islands, *Mar. Ecol. Prog. Ser.*, 481, 121-132, HIMB-1532.
- 8798 Tokinaga, H., S.-P. Xie, C. Deser, Y. Kosaka, and Y. M. Okumura, 2012, Slowdown of the Walker circulation driven by tropical Indo-Pacific warming, *Nature*, 491(7424), 439-443, IPRC-935, doi: 10.1038/nature11576.
- 8799 Ivanova, M. A., A. N. Krot, K. Nagashima, and G. J. MacPherson, 2012, Compound ultrarefractory CAI-bearing inclusions from CV3 carbonaceous chondrites, *Meteorit. Planet. Sci.*, 47(12), 2107-2127, doi: 10.1111/maps.12031.

- 8800 Ashley, J. W., et al. [B. R. Hawke], 2012, Geology of the King crater region: New insights into impact melt dynamics on the Moon, *J. Geophys. Res.-Planets*, 117(E12), E00H29, doi: 10.1029/2011JE003990.
- 8801 Garry, W. B., et al. [B. R. Hawke], 2012, The origin of Ina: Evidence for inflated lava flows on the Moon, *J. Geophys. Res.-Planets*, 117(E12), E00H31, doi: 10.1029/2011JE003981.
- 8802 Tornabene, L. L., et al. [J. M. Boyce, P. J. Mouginis-Mark], 2012, Widespread crater-related pitted materials on Mars: Further evidence for the role of target volatiles during the impact process, *Icarus*, 220(2), 348-368, <http://dx.doi.org/10.1016/j.icarus.2012.05.022>.
- 8803 Decima, M., M. R. Landry, and B. N. Popp, 2013, Environmental perturbation effects on baseline  $\delta^{15}\text{N}$  values and zooplankton trophic flexibility in the southern California Current Ecosystem, *Limnol. Oceanogr.*, 58(2), 624-634.
- 8804 Thakur, G., E. Brevdo, N. S. Fuckar, and H.-T. Wu, 2013, The synchrosqueezing algorithm for time-varying spectral analysis: robustness properties and new paleoclimate applications, *Signal Process.*, 93(5), 1079-1094, IPRC-936, doi: 10.1016/j.sigpro.2012.11.029.
- 8805 Tarduno, J. A., et al. [E. R. D. Scott], 2013, Evidence for a dynamo in the main group pallasite parent body, *Science*, 338(6109), 939-942, doi: 10.1126/science.1223932.
- 8806 Randall, J. E., and J. D. DiBattista, 2013, *Chromis fieldi*, a new species of damselfish (Pomacentridae) from the Indian Ocean, *Aqua Inter. J. Ichthyol.*, 19(1-21), 1-16, HIMB-1533.
- 8807 Ishizu, M., Y. Kitade, and Y. Michida, 2012, Mixing process on the northeast coast of Hokkaido in summer, *J. Oceanogr.*, 69(1), 1-13, IPRC-937, doi: 10.1007/s10872-012-0152-6.
- 8808 Briggs, J. C., and B. W. Bowen, 2013, Marine shelf habitat: biogeography and evolution, *J. Biogeogr.*, 40(6), 1023-1035, HIMB-1534.
- 8809 Beman, J. M., J. L. Shih, and B. N. Popp, 2013, Nitrite oxidation in the upper water column and oxygen minimum zone of the eastern tropical North Pacific and Gulf of California, *ISME J.*, 7, 2192-2205.
- 8810 Fogaren, K. E., F. J. Sansone, and E. H. DeCarlo, 2013, Porewater temporal variability in a wave-impacted permeable nearshore sediment, *Mar. Chem.* 149(1), 74-84.
- 8811 Wainwright, B. J., I. S. Arlyza, and S. A. Karl, 2013, Isolation and characterization of seventeen polymorphic microsatellite loci for the tropical sea star, *Linckia multifora*, *Conserv. Genet. Resour.*, 5(2), 503-505, HIMB-1535.
- 8812 Fuckar, N. S., S.-P. Xie, R. Farneti, E. A. Maroon, and D. M. W. Frierson, 2013, Influence of the extratropical ocean circulation on the intertropical convergence zone in an idealized coupled general circulation model, *J. Climate*, 26(13), 4612-4629, IPRC-938, doi: 10.1175/JCLI-D-12-00294.1.
- 8813 DiNezio, P. N., G. A. Vecchi, and A. C. Clement, 2013, Detectability of changes in the Walker Circulation in response to global warming, *J. Climate*, 26(12), 4038-4048, IPRC-939, doi: 10.1175/JCLI-D-12-00531.1.

- 8814 Weitzman, J., K. Aveni-deForge, J. Koseff, and F. I. M. Thomas, 2013, Uptake of dissolved inorganic nitrogen by shallow seagrass communities under non steady flow, *Mar. Ecol. Prog. Ser.*, 475, 65-83, HIMB-1536, doi: 10.3354/meps09965.
- 8815 Watling, L., J. Guinotte, M. R. Clark, and C. R. Smith, 2013, A proposed biogeography of the deep ocean floor, *Prog. Oceanogr.*, 111, 91-112.
- 8816 Hushur, A., M. H. Manghnani, Q. Williams, and D. B. Dingwell, 2013, A high-temperature Brillouin scattering study on four compositions of haplogranitic glasses and melts: High-frequency elastic behavior through the glass transition, *Am. Mineral.*, 98(2-3), 367-375, HIGP-1998, doi: 10.2138/am.2013.4198.
- 8817 Wang, B., B. Xiang, and J.-Y. Lee, 2013, Subtropical high predictability establishes a promising way for monsoon and tropical storm predictions, *PNAS*, 110(8), 2718-2722, IPRC-940, doi: 10.1073/pnas.1214626110.
- 8818 Fernandez-Silva, I., B. N. Snelgrove, and B. W. Bowen, 2013, Twelve microsatellite DNA markers to resolve population structure of the yellow-striped goatfish *Mulloidichthys flavolineatus* (family Mullidae), *Conserv. Genet. Resour.*, 5(2), 565-568, HIMB-1535.
- 8819 Bai, Y., and K. F. Cheung, 2013, Dispersion and nonlinearity of multi-layer non-hydrostatic free-surface flow, *J. Fluid Mech.*, 726, 226-260.
- 8820 Lumpkin, C., and P. Flament, 2013, On the extent and energetics of the Hawaiian lee countercurrent, *Oceanogr.*, 26(1), 58-65, <http://dx.doi.org/10.5670/oceanog.2013.05>.
- 8821 Johnson, N. C., 2013, How many ENSO flavors can we distinguish? *J. Climate*, 26(13), 4816-4827, IPRC-941, doi: 10.1175/JCLI-D-12-00649.1.
- 8822 Moore, G., B. Boston, A. Sacks, and D. Saffer, 2013, Analysis of normal fault populations in the Kumano Forearc Basin, Nankai Trough, Japan: 1. Multiple orientations and generations of faults from 3-D coherency mapping, *Geochem. Geophys. Geosyst.*, 114, 1989-2002, doi: 10.1002/ggge.20119.
- 8823 Hsu, P.-C., T. Li, H. Murakami, and A. Kitoh, 2013, Future change of the global monsoon revealed from 19 CMIP5 models, *J. Geophys. Res.-Atmos.*, 118(3), 1247-1260, IPRC-942, doi: 10.1002/jgrd.50145.
- 8824 Lee, S.-S., et al. [J.-Y. Lee, B. Wang], 2013, Role of Tibetan Plateau on annual variation of mean atmospheric circulation and storm track activity, *J. Climate*, 26(14), 5270-5286, IPRC-943, doi: 10.1175/JCLI-D-12-00213.1.
- 8825 Fernandez-Silva I., J. Whitney, B. Wainwright, K. R. Andrews, H. Ylitalo-Ward, B. W. Bowen, R. J. Toonen, E. Goetze, and S. A. Karl, 2013, Microsatellites for next-generation ecologists: A post-sequencing bioinformatics pipeline, *PLOS ONE*, 8(2), e55990, doi: 10.1371/journal.pone.0055990.
- 8826 Cherubini, T., and S. Businger, 2013, Another look at the refractive index structure function, *J. Appl. Meteorol. Climatol.*, 52(2), 498-506, doi: 10.1175/JAMC-D-11-0263.1.
- 8827 Herrero-Bervera, E., and L. Jovane, 2013, On the palaeomagnetic and rock magnetic constraints regarding the age of IODP 325 Hole M0058A, in Jovane, L., E. Herrero-Bervera, L. A. Hinnov, and B. A. Housen (eds.), *Magnetic Methods and the Timing of Geological Processes*, Geol. Soc. London Spec. Pub., 373(1), 279-291.

- 8828 Alexander, M. A., H. Seo, S.-P. Xie, and J. D. Scott, 2012, ENSO's Impact on the Gap Wind Regions of the Eastern Tropical Pacific Ocean, *J. Climate*, 25, 3549-3565, IPRC-838, doi: 10.1175/JCLI-D-11-00320.1.
- 8829 Chikamoto, M. O., et al. [A. Timmermann], 2012, Variability in North Pacific intermediate and deep water ventilation during Heinrich events in two coupled climate models, *Deep-Sea Res. II*, 61, 114-126, IPRC-873, doi: 10.1016/j.dsr2.2011.12.002.
- 8830 Fintor, K., C. Park, S. Nagy, E. Pál-Molnár, and A. N. Krot, 2014, Hydrothermal origin of hexagonal  $\text{CaAl}_2\text{Si}_2\text{O}_8$  (dmisteinbergite) in a compact type A CAI from the Northwest Africa 2086 CV3 chondrite, *Meteorit. Planet. Sci.*, 49(5), 812-823, doi: 10.1111/maps.12294.
- 8831 Fischer, R. A., et al. [P. Dera], 2014, Equations of state in the Fe-FeSi system at high pressures and temperatures, *J. Geophys. Res.-Solid Earth*, 119, 2810-2827, doi: 10.1002/2013JB010898.
- 8832 Hamilton, K., 2012, Sereno Bishop, Rollo Russell, Bishop's Ring and the discovery of the "Kakatoa easterlies", *Atmos.-Ocean*, 50(2), 169-175, IPRC-793, doi: 10.1080/07055900.2011.639736.
- 8833 Kawatani, Y., K. Hamilton, and A. Noda, 2012, The effects of changes in sea surface temperature and CO2 concentration on the quasi-biennial oscillation, *J. Atmos. Sci.*, 69, 1734-1749, IPRC-836, doi: 10.1175/JAS-D-11-0265.1.
- 8834 Kobashi, F., and S.-P. Xie, 2012, Interannual variability of the North Pacific Subtropical Countercurrent: role of local ocean-atmosphere interaction, *J. Oceanogr.*, 68, 113-126, IPRC-796, doi: 10.1007/s10872-011-0048-x.
- 8835 Li, Q.-Q., and Y. Wang, 2012, Formation and quasi-periodic behavior of outer spiral rainbands in a numerically simulated tropical cyclone, *J. Atmos. Sci.*, 69, 997-1020, IPRC-845, doi: 10.1175/2011JAS3690.1.
- 8836 McNeeley, S. M., et al. [P. Ray], 2012, Catalyzing frontiers in water-climate-society research: A view from early career scientists and junior faculty, *Bull. Amer. Meteorol. Soc.*, 93(4), 477-484, IPRC-826, doi: 10.1175/BAMS-D-11-00221.1.
- 8837 Meehl, G., et al. [H. Annamalai], 2012, Monsoon regimes and processes in CCSM4, Part 1: The Asian-Australian monsoon, *J. Climate*, 25, 2583-2608, IPRC-821, doi: 10.1175/JCLI-D-11-00184.1.
- 8838 Murakami, H., et al. [Y. Wang], 2012, Future changes in tropical cyclone activity projected by the new high-resolution MRI-AGCM, *J. Climate*, 25, 3237-3260, IPRC-847, doi: 10.1175/JCLI-D-11-00415.1.
- 8839 Pillai, P. A., and H. Annamalai, 2012, Moist dynamics of severe monsoons over South Asia: Role of the tropical SST, *J. Atmos. Sci.*, 69, 97-115, IPRC-807, doi: 10.1175/JAS-D-11-056.1.
- 8840 Prasanna, V., and H. Annamalai, 2012, Moist dynamics of extended monsoon breaks over south Asia, *J. Climate*, 25(11), 3810-3831, IPRC-833, <http://dx.doi.org.eres.library.manoa.hawaii.edu/10.1175/JCLI-D-11-00459.1>.
- 8841 Qi, L., and Y. Wang, 2012, The effect of mesoscale mountain over East Indochina Peninsula on East Asian summer rainfall, *J. Climate*, 25(13), 4495-4510, IPRC-848, <http://dx.doi.org.eres.library.manoa.hawaii.edu/10.1175/JCLI-D-11-00574.1>.

- 8842 Richards, K. J., Y. Kashino, A. Natarov, and E. Firing, 2012, Mixing in the western equatorial Pacific and its modulation by ENSO, *Geophys. Res. Lett.*, 39, L02604, IPRC-851, doi: 10.1029/2011GL050439.
- 8843 Sasai, Y., K. J. Richards, A. Ishida, and H. Sasaki, 2012, Spatial and temporal variabilities of the chlorophyll distribution in the northeastern tropical Pacific: The impact of physical processes on seasonal and interannual time scales, *J. Mar. Syst.*, 96/97, 24-31, IPRC-864.
- 8844 Sasaki, H., et al. [S.-P. Xie], 2012, Interannual variations of the Hawaiian Lee Countercurrent induced by potential vorticity variability in the subsurface, *J. Oceanogr.*, 68(1), 93-111, IPRC-809, doi: 10.1007/s10872-011-0074-8.
- 8845 Tao, L., L. Wu, Y. Wang, and J. Yang, 2012, Influences of tropical Indian Ocean warming and ENSO on tropical cyclone activity over the western North Pacific, *J. Meteor. Soc. Japan*, 90, 127-144, IPRC-846, doi: 10.2151/jmsj.2012-107.
- 8846 Wu, C.-C., R.-F. Zhan, Y. Lu, and Y. Wang, 2012, Internal variability of the dynamically downscaled tropical cyclone activity over the western North Pacific by the IPRC regional, *J. Climate*, 25(6), 2104-2121, IPRC-844, <http://dx.doi.org/10.1175/JCLI-D-11-00143.1>.
- 8847 Wu, L., et al. [A. Timmermann, B. Qiu], 2012, Enhanced warming over the global subtropical western boundary currents, *Nature Clim. Change*, 2, 161-166, IPRC-858, doi: 10.1038/nclimate1353.
- 8848 Kawatani, Y., and K. Hamilton, 2013, Weakened stratospheric quasibiennial oscillation driven by increased tropical mean upwelling, *Nature*, 497(7450), 478-481, IPRC-976, doi: 10.1038/nature12140.
- 8849 Ascani, F., et al. [K. J. Richards, E. Firing, S. Grant, Y. Jia, R. Lukas, D. M. Karl], 2013, Physical and biological controls of nitrate concentration in the upper North Pacific subtropical ocean, *Deep-Sea Res. II*, 93, 119-134, IPRC-944, doi: 10.1016/j.dsr2.2013.01.034.
- 8850 Gaither, M. R., et al. [G. Aeby, C. Runyon, R. J. Toonen, B. W. Bowen], 2013, An invasive fish and the time-lagged spread of its parasite across the Hawaiian archipelago, *PLOS ONE*, 8(2), e56940, HIMB-1538, doi: 10.1371/journal.pone.0056940.
- 8851 Gustafson, J. O., J. F. Bell, L. R. Gaddis, B. R. Hawke, and T. A. Giguere, 2012, Characterization of previously unidentified lunar pyroclastic deposits using Lunar Reconnaissance Orbiter Camera data, *J. Geophys. Res.-Planets*, 117(E12), E00H25, doi: 10.1029/2011JE003893.
- 8852 Cheng, X., S.-P. Xie, J. P. McCreary, Y. Qi, and Y. Du, 2013, Intraseasonal variability of sea surface height over the Bay of Bengal, *J. Geophys. Res.-Oceans*, 118(2), 816-830, IPRC-945, doi: 10.1002/jgrc.20075.
- 8853 Trang, D., et al. [P. G. Lucey, J. J. Gillis-Davis, P. J. Isaacson], 2013, Near-infrared optical constants of naturally occurring olivine and synthetic pyroxene as a function of mineral composition, *J. Geophys. Res.-Planets*, 118(4), 708-732, doi: 10.1002/jgre.20072.
- 8854 Liu, J., B. Wang, M. A. Cane, S.-Y. Yim, and J.-Y. Lee, 2013, Divergent global precipitation changes induced by natural versus anthropogenic forcing, *Nature*,

- 493(7434), 656-659, IPRC-946, doi: 10.1038/nature11784.
- 8855 Carson, H. S., et al. [J. Hafner, N. Maximenko], 2013, Tracking the sources and sinks of local marine debris in Hawaii, *Mar. Environ. Res.*, 84, 76-83, IPRC-947, doi: <http://dx.doi.org/10.1016/j.marenvres.2012.12.002>.
- 8856 Eriksen, M., et al. [N. Maximenko, J. Hafner], 2013, Plastic pollution in the South Pacific subtropical gyre, *Mar. Pollut. Bull.*, 68(1-2), 71-76, IPRC-948, doi: 10.1016/j.marpolbul.2012.12.021.
- 8857 Void (no publication information available).
- 8858 Kregting, L. T., A. L. Bass, O. Guadayol, P. O. Yund, and F. I. M. Thomas, 2013, Effects of oscillatory flow on fertilization in the green sea urchin *Strongylocentrotus droebachiensis*, *PLOS ONE*, 8(9), e76082, doi: 10.1371/journal.pone.0076082.
- 8859 Wiener, C. S., and D. Wagner, 2013, Sailing through time: a historical examination of the explorations and investigations of the Papahānaumokuākea Marine National Monument, *Atoll Res. Bull.*, 594, doi: 10.5479/si.00775630.594.
- 8860 Chatterjee, A., D. Shankar, J. P. McCreary, and P. N. Vinayachandran, 2013, Yanai waves in the western equatorial Indian Ocean, *J. Geophys. Res.-Oceans*, 118(3), 1556-1570, IPRC-949, doi: 10.1002/jgrc.20121.
- 8861 Ritz, S. P., T. F. Stocker, J. O. Grimalt, L. Menviel, and A. Timmermann, 2013, Estimated strength of the Atlantic overturning circulation during the last deglaciation, *Nature Geosci.*, 6(3), 208-212, IPRC-950, doi: 10.1038/NGEO1723.
- 8862 Deplazes, G., et al. [A. Timmermann], 2013, Links between tropical rainfall and North Atlantic climate during the last glacial period, *Nature Geosci.*, 6(3), 213-217, IPRC-951, doi: 10.1038/ngeo1712.
- 8863 Aiki, H., K.J. Richards, and H. Sakuma, 2011, Maintenance of the mean kinetic energy in the global ocean by the barotropic and baroclinic energy routes, *Ocean Dyn.*, 61(5), 675-700, IPRC-762.
- 8864 Choi, K.-S., C.-C. Wu, and Y. Wang, 2011, On the effect of ENSO on landfalling tropical cyclones over the Korean Peninsula, *Asia-Pacific J. Atmos. Sci.*, 47, 391-397, IPRC-842.
- 8865 Chou, K.-H., C.-C. Wu, Y. Wang, and C.-H. Chih, 2011, Eyewall evolution of typhoons crossing the Philippines and Taiwan: An observational study, *Terr. Atmos. Oceanic Sci.*, 22(6), 535-548, IPRC-843, doi: 10.3319/TAO.2011.05.10.01(TM).
- 8866 Kim, H.-J., and B. Wang, 2011, Sensitivity of the WRF model simulation of East Asia summer monsoon in 1993 to shortwave radiation schemes and ozone absorption, *Asia-Pacific J. Atmos. Sci.*, 47, 167-180, IPRC-804, doi: 10.1007/s13143-011-0006-y.
- 8867 Ogata, T., and Y. Masumoto, 2011, Interannual modulation and its dynamics of the mesoscale eddy variability in the southeastern tropical Indian Ocean, *J. Geophys. Res.-Oceans*, 116(C5), C05005, IPRC-811.
- 8868 Ogata, T., and S.-P. Xie, 2011, Semiannual cycle in zonal wind over the equatorial Indian Ocean, *J. Climate*, 24, 6471-6485, IPRC-813.
- 8869 Thompson, A. F., and K. J. Richards, 2011, Low frequency variability of Southern Ocean jets, *J. Geophys. Res.-Oceans*, 116(C9), C09022, IPRC-856, doi:

- 10.1029/2010JC006749.
- 8870 Wolff, C., G. H. Haug, A. Timmermann, et al., 2011, Reduced inter-annual rainfall variability in East Africa during the last ice age, *Science*, 333(6043), 743-747, IPRC-805, doi: 10.1126/science.1203724.
- 8871 Zhan, R.-F., Y. Wang, and C.-C. Wu, 2011, Impact of SSTA in East Indian Ocean on the frequency of Northwest Pacific tropical cyclones: A regional atmospheric model, *J. Climate*, 24, 6227-6242, IPRC-840.
- 8872 Zheng, X.-T., S.-P. Xie, and Q. Liu, 2011, Response of the Indian Ocean basin mode and its capacitor effect to global warming, *J. Climate*, 24, 6146-6164, IPRC-797.
- 8873 Furue, R., J. P. McCreary, J. Benthuyssen, H. E. Phillips, and N. L. Bindoff, 2013, Dynamics of the Leeuwin Current: Part 1. Coastal flows in an inviscid, variable-density, layer model, *Dyn. Atmos. Oceans*, 63, 24-59, IPRC-952, doi: 10.1016/j.dynatmoce.2013.03.003.
- 8874 Rumpf, M. E., S. A. Fagents, I. A. Crawford, and K. H. Joy, 2013, Numerical modeling of lava-regolith heat transfer on the Moon and implications for the preservation of implanted volatiles, *J. Geophys. Res.-Planets*, 118(3), 382-397, HIGP-2002.
- 8875 Lawrence, S. J., et al. [B. R. Hawke, T. A. Giguere], 2013, LRO observations of morphology and surface roughness of volcanic cones and lobate lava flows in the Marius Hills, *J. Geophys. Res.-Planets*, 118(4), 615-634, doi: 10.1002/jgre.20060.
- 8876 Koeppen, W., et al. [R. Wright], 2013, Constraints on the partitioning of Kilauea's lavas between surface and tube flows, estimated from infrared satellite data, sulfur dioxide emission rates, and field observations, *Bull. Volcanol.*, 75, 716, HIGP-2002, doi: 10.1007/s00445-013-0716-3.
- 8877 Wainwright B., I. Arlyza, and S. A. Karl, 2013, Isolation and characterization of twenty-one polymorphic microsatellite loci for *Polycarpa aurata* using third generation sequencing, *Conserv. Genet. Resour.*, 5(3), 671-673, HIMB-1543.
- 8878 Bowen, B. W., et al. [R. J. Toonen, S. A. Karl, J. A. Eble, D. Skillings, M. R. Gaither, J. D. DiBattista, M. T. Craig, C. E. Bird], 2013, Origins of tropical marine biodiversity, *Trends Ecol. Evol.*, 28(6), 359-366, HIMB-1544, <http://dx.doi.org/10.1016/j.tree.2013.01.018>.
- 8879 Uchikawa, J., and R. E. Zeebe, 2013, No discernible effect of Mg<sup>2+</sup> ions on the equilibrium oxygen isotope fractionation in the CO<sub>2</sub>-H<sub>2</sub>O system, *Chem. Geol.*, 343, 1-11.
- 8880 Choy, C. A., and J. C. Drazen, 2013, Plastic for dinner? Observations of frequent debris ingestion by large predatory fishes from the central North Pacific, *Mar. Ecol. Prog. Ser.*, 485, 155-163, doi: 10.3354/meps10342.
- 8881 DeMartini, E. E., J. L. K. Wren, and D. R. Kobayashi, 2013, Persistent spatial patterns of recruitment in a guild of Hawaiian coral reef fishes, *Mar. Ecol. Prog. Ser.*, 485, 165-179.
- 8882 Scott, E. R. D., and A. N. Krot, 2013, Chondrites and their components, in Davis, A. M. (ed.), *Meteorites and Cosmochemical Processes: Treatise on Geochemistry*, vol. 1, second edition, Elsevier, Oxford, p. 65-137.
- 8883 Krot, A. N., K. Keil, E. R. D. Scott, C. A. Goodrich, and M. K. Weisberg, 2014,

- Classification of meteorites and their genetic relationships, in Davis, A. M. (ed.), *Meteorites and Cosmochemical Processes: Treatise on Geochemistry*, vol. 1, second edition, Elsevier, Oxford, p. 1-63.
- 8884 Sasai Y., K. J. Richards, A. Ishida, and H. Sasaki, 2010, Effects of cyclonic mesoscale eddies on the marine ecosystem in the Kuroshio Extension region using an eddy-resolving coupled physical-biological model, *Ocean Dyn.*, 60(3), 693-704, IPRC-865.
- 8885 Qu, T., S. Gao, and I. Fukumori, 2013, Formation of salinity maximum water and its contribution to the overturning circulation in the North Atlantic as revealed by a global GCM, *J. Geophys. Res.-Oceans*, 118(4), 198234-220022, IPRC-953, doi: 10.1002/jgrc.20152.
- 8886 Zheng, X.-T., et al. [S.-P. Xie], 2013, Indian Ocean dipole response to global warming in the CMIP5 multimodel ensemble, *J. Climate*, 26(16), 6067-6080, IPRC-954, doi: 10.1175/JCLI-D-12-00638.1.
- 8887 Wang, B., et al. [S.-Y. Yim, B. Xiang], 2013, Northern Hemisphere summer monsoon intensified by mega-El Niño/southern oscillation and Atlantic multidecadal oscillation, *PNAS*, 110(14), 5347-5352, IPRC-955, doi: 10.1073/pnas.1219405110.
- 8888 Makide, K., et al. [K. Nagashima, A. Krot, G. R. Huss], 2013, Heterogeneous distribution of <sup>26</sup>Al at the birth of the Solar System: Evidence from corundum-bearing refractory inclusions in carbonaceous chondrites, *Geochim. Cosmochim. Acta*, 110, 190-215, HIGP-2007.
- 8889 Stuecker, M. F., A. Timmermann, F.-F. Jin, S. McGregor, and H.-L. Ren, 2013, A combination mode of the annual cycle and the El Niño/Southern Oscillation, *Nature Geosci.*, 6(7), 540-544, IPRC-956, doi: 10.1038/NNGEO1826.
- 8890 Stat, M., et al. [E. C. Franklin, R. D. Gates], 2013, The distribution of the thermally tolerant symbiont lineage (*Symbiodinium clade D*) in corals from Hawaii: Correlations with host and the history of ocean thermal stress, *Ecol. Evol.*, 3(5), 1317-1329, HIMB-1545.
- 8891 Zhan, R., Y. Wang, and M. Ying, 2012, Seasonal forecasts of tropical cyclone activity over the western North Pacific: A review, *Trop. Cyclone Res. Rev.*, 1(3), 307-324, doi:doi: 10.6057/2012TCRR03.07.
- 8892 Wang, Y., 2012, Recent research progress on tropical cyclone structure and intensity, *Trop. Cyclone Res. Rev.*, 1(2), 254-275, doi: 10.6057/2012TCRR02.05.
- 8893 Wang, H., Y. Wang, and H. Xu, 2013, Improving simulation of a tropical cyclone using dynamical initialization and large-scale spectral nudging: A case study of Typhoon Megi (2010), *Acta Meteorol. Sin.*, 27(4), 455-475, IPRC-959, doi: 10.1007/s13351-013-0418-y.
- 8894 Zhan, R., Y. Wang, and M. Wen, 2013, The SST gradient between the Southwest Pacific and the western Pacific warm pool: A new factor controlling the Northwest Pacific tropical cyclone genesis frequency, *J. Climate*, 26(7), 2408-2415, IPRC-960, doi: 10.1175/JCLI-D-12-00798.1.
- 8895 Elison Timm, O., M. Takahashi, T. W. Giambelluca, and H. F. Diaz, 2013, On the relation between large-scale circulation pattern and heavy rain events over the Hawaiian Islands: Recent trends and future changes, *J. Geophys. Res.-Atmos.*, 118(10),



- 4129-4141, IPRC-961, doi: 10.1002/jgrd.50314.
- 8896 Maximenko, N., R. Lumpkin, and L. Centurioni, 2013, Ocean surface circulation, in Siedler, G., S. M. Griffies, J. Gould, and J. A. Church (eds.), *Ocean Circulation and Climate: A 21st Century Prospective*, International Geophysics Series, vol. 103, Academic Press, p. 283-304.
- 8897 Iacchei, M., et al. [K. A. Selkoe, C. E. Bird, R. J. Toonen], 2013, Combined analyses of kinship and  $F_{ST}$  suggest potential drivers of chaotic genetic patchiness in high gene-flow populations, *Molec. Ecol.*, 22(13), 3476-3494, doi: 10.1111/mec.12341.
- 8898 Fu, X., J.-Y. Lee, B. Wang, W. Wang, and F. Vitart, 2013, Intraseasonal forecasting of Asian summer monsoon in four operational and research models, *J. Climate*, 26(12), 4186-4203, IPRC-963, doi: 10.1175/JCLI-D-12-00252.1.
- 8899 Soares, S., and K. J. Richards, 2013, Radiation of inertial kinetic energy as near-inertial waves forced by tropical Pacific Easterly Waves, *Geophys. Res. Lett.*, 40(9), 1760-1765, IPRC-964, doi: 10.1002/grl.50387.
- 8900 Vaz, A., K. J. Richards, and C. Paris, 2013, Mesoscale flow variability and its impact on connectivity for the island of Hawai'i, *Geophys. Res. Lett.*, 40(2), 332-337, IPRC-965, doi: 10.1029/2012GL054519.
- 8901 Sasaki, W., K. J. Richards, and J.-J. Luo, 2012, Role of vertical mixing originating from small vertical scale structures above and within the equatorial thermocline in an OGCM, *Ocean Model.*, 57-58, 29-42.
- 8902 Sasaki, W., K.J. Richards, and J.-J. Luo, 2013, Impact of vertical mixing induced by small vertical scale structures above and within the equatorial thermocline on the tropical Pacific in a CGCM, *Clim. Dyn.*, 41(2), 443-453, IPRC-967, doi: 10.1007/s00382-012-1593-8.
- 8903 Guidi, L., et al. [P. H. R. Calil, S. Duhamel, K. M. Bjorkman, S. C. Doney, B. Li, M. J. Church, S. Tozzi, Z. S. Kolber, K. J. Richards, A. A. Fong, R. M. Letelier, D. M. Karl], 2012, Does eddy-eddy interaction control surface phytoplankton distribution and carbon export in the North Pacific Subtropical Gyre? *J. Geophys. Res.-Biogeosci.*, 117(G2), G02024, doi: 10.1029/2012JG001984.
- 8904 Cox, T. E., C. M. Smith, B. N. Popp, M. S. Foster, and I. A. Abbott, 2013, Can stormwater be detected by algae in an urban reef in Hawaii? *Mar. Pollut. Bull.*, 71(1-2), 92-100, doi: 10.1016/j.marpolbul.2013.03.030.
- 8905 McCreary, J. P., Jr., et al. [Z. Yu, R. Furue, K. Richards], 2013, Dynamics of the Indian-Ocean oxygen minimum zones, *Prog. Oceanogr.*, 112-113, 15-37, IPRC-969, doi: 10.1016/j.pocean.2013.03.002.
- 8906 Chandler, M. T., P. Wessel, and W. W. Sager, 2013, Analysis of Ontong Java Plateau paleolatitudes: evidence for large-scale rotation since 123 Ma? *Geophys. J. Int.* 194(1), 18-29.
- 8907 Murakami, H., T. Li, and M. S. Peng, 2013, Changes to environmental parameters that control tropical cyclone genesis under global warming, *Geophys. Res. Lett.*, 40(10), 2265-2270, IPRC-970, doi: 10.1002/grl.50393.
- 8908 Au, W., et al. [G. Giorli, J. Chen, A. Copeland, M. Lammers], 2013, Nighttime foraging by deep diving echolocating odontocetes off the Hawaiian Islands of Kauai

- and Ni'ihau as determined by passive acoustic monitors, *J. Acoust. Soc. Am.*, 133(5), 3119-3127.
- 8909 Lunt, D. J., et al. [M. Heinemann], 2012, A model-data comparison for a multi-model ensemble of early Eocene atmosphere-ocean simulations: EoMIP, *Climate Past*, 8, 1717-1736, doi: 10.5194/cp-8-1717-2012.
- 8910 Ballmer, M. D., C. P. Conrad, E. I. Smith, and N. Harmon, 2013, Non-hotspot volcano chains produced by migration of shear-driven upwelling toward the East Pacific Rise, *Geology*, 41, 479-482.
- 8911 Gorospe, K. D., and S. A. Karl, 2013, Genetic relatedness does not retain spatial pattern across multiple spatial scales: Dispersal and colonization in the coral, *Pocillopora damicornis*, *Molec. Ecol.*, 22(14), 3721-3736, HIMB-1548.
- 8912 Xiang, B., B. Wang, W. Yu, and S. Xu, 2013, How can anomalous western North Pacific Subtropical High intensify in late summer? *Geophys. Res. Lett.*, 40(10), 2349-2354, IPRC-972, doi: 10.1002/grl.50431.
- 8913 Yim, S.-Y., B. Wang, and M. Kwon, 2014, Interdecadal change of the controlling mechanisms for East Asian early summer rainfall variation around the mid-1990s, *Clim. Dyn.*, 42(5-6), 1325-1333, IPRC-973, doi: 10.1007/s00382-013-1760-6.
- 8914 Wu, L., Z.-P. Wen, T. Li, and R.-H. Huang, 2014, ENSO-phase dependent TD and MRG wave activity in the western North Pacific, *Clim. Dyn.*, 42(5-6), 1217-1227, IPRC-974, doi: 10.1007/s00382-013-1754-4.
- 8915 Dunn, R. A., F. Martinez, and J. Conder, 2013, Crustal construction and magma chamber properties along the Eastern Lau Spreading Center, *Earth Planet. Sci. Lett.*, 371-372, 112-124.
- 8916 Gaither, M. R., B. W. Bowen, and R. J. Toonen, 2013, Population structure in the native range predicts the spread of introduced marine species, *Proc. R. Soc. B*, 280(1760), 20130409, HIMB-1549.
- 8917 Murakami, H., B. Wang, T. Li, and A. Kitoh, 2013, Projected increase in tropical cyclones near Hawaii, *Nature Clim. Change*, 3, 749-754, IPRC-975, doi: 10.1038/nclimate1890.
- 8918 Huang, P., S.-P. Xie, K. Hu, G. Huang, and R. Huang, 2013, Patterns of the seasonal response of tropical rainfall to global warming, *Nature Geosci.*, 6(5), 357-361, IPRC-977, doi: 10.1038/NGEO1792.
- 8919 Kosaka, Y., S.-P. Xie, N.-C. Lau, and G. A. Vecchi, 2013, Origin of seasonal predictability for summer climate over the Northwestern Pacific, *PNAS*, 110(19), 7574-7579, IPRC-978, doi: 10.1073/pnas.1215582110.
- 8920 Dhingra, D., C. M. Pieters, J. W. Head, and P. J. Isaacson, 2013, Large mineralogically distinct impact melt feature at Copernicus crater--Evidence for retention of compositional heterogeneity, *Geophys. Res. Lett.*, 40, 1043-1048, HIGP-200, doi: 10.1002/grl.50255.
- 8921 Moriarty, D. P., C. M. Pieters, and P. G. Isaacson, 2013, Compositional heterogeneity of central peaks within the South Pole--Aitken Basin, *J. Geophys. Res.-Planets*, 118(11), 2310-2322, doi: 10.1002/2013JE004376, HIGP-2009.

- 8922 Li, Y.-H., and S. Ishihara, 2013, Compositional variation of the late Cretaceous--Paleogene plutons from southwest Japan and its implication for ore genesis and continental growth, *J. Asian Earth Sci.*, 70-71, 142-159.
- 8923 Pieters, C. M., et al. [P. Isaacson], 2013, One moon, many measurements 1: Radiance values, *Icarus*, 226(1), 951-963, HIGP-2010, <http://dx.doi.org/10.1016/j.icarus.2013.07.008>.
- 8924 Besse, S., et al. [P. Isaacson], 2013, One moon, many measurements 2: Photometric corrections, *Icarus*, 226(1), 127-139, HIGP-2011 <http://dx.doi.org/10.1016/j.icarus.2013.05.009>.
- 8925 Ohtake, M., et al. [P. Isaacson], 2013, One moon, many measurements 3: Spectral reflectance, *Icarus*, 226(1), 364-374, HIGP-2012, <http://dx.doi.org/10.1016/j.icarus.2013.05.010>.
- 8926 Xu, Y., T. Li, and M. Peng, 2013, Tropical cyclogenesis in the western North Pacific as revealed by the 2008-2009 YOTC data, *Weather Forecast.*, 28(4), 1038-1056, IPRC-979, doi: 10.1175/WAF-D-12-00104.1.
- 8927 Wang, B., S.-Y. Yim, J.-Y. Lee, J. Liu, and K.-J. Ha, 2014, Future change of Asian-Australian Monsoon under RCP 4.5 Anthropogenic warming scenario, *Clim. Dyn.*, 42(1-2), 83-100, IPRC-980, doi: 10.1007/s00382-013-1769-x.
- 8928 Chiang, T.-L., and T. Qu, 2013, Subthermocline eddies in the western equatorial Pacific as shown by an eddy-resolving OGCM, *J. Phys. Oceanogr.*, 43(7), 1241-1253, IPRC-981, doi: 10.1175/JPO-D-12-0187.1.
- 8929 Faccenna, C., T. W. Becker, C. P. Conrad, and L. Husson, 2013, Mountain building and mantle dynamics, *Tectonics*, 32, 80-93, doi: 10.1029/2012TC003176.
- 8930 Martel, S. J., G. Stock, and G. Ito, 2014, Mechanics of relative and absolute displacements across normal faults, and implications for uplift and subsidence along the eastern escarpment of the Sierra Nevada, California, *Geosphere*, 10(2), 243-263.
- 8931 Rodgers, K. S., P. L. Jokiel, E. K. Brown, S. Hau, and R. Sparks, 2015, Hawai'i Coral Reef Assessment and Monitoring Program: Over a decade of change in spatial and temporal dynamics in coral reef communities, *Pac. Sci.*, 69(1), 1-13, HIMB-1551, doi: 10.2984/69.1.1.
- 8932 Lorance, K., K. S. Rodgers, and P. L. Jokiel, 2016, Monitoring of coral relocation from a boat channel to a South Kaneohe Bay, O'ahu, Hawai'i patch reef over an eight year period, *Pac. Sci.*, HIMB 1552 (in press).
- 8933 Ito, G., et al. [M. O. Garcia, J. R. Smith, B. Taylor, L. Swinnard], 2013, A low-relief shield volcano as the origin of the South Kaua'i swell, *Geochem. Geophys. Geosyst.*, 14(7), 2328-2348, doi: 10.1002/ggge.20159.
- 8934 Qu, T., S. Gao, and R. A. Fine, 2013, Subduction of South Pacific tropical water and its equatorward pathways as shown by a simulated passive tracer, *J. Phys. Oceanogr.*, 43(8), 1551-1565, IPRC-982, doi: 10.1175/JPO-D-12-0180.1.
- 8935 Phipps, S. J., et al. [S. Stevenson], 2013, Paleoclimate DataModel comparison and the role of climate forcings over the past 1500 years, *J. Climate*, 26(18), 6915-6936, IPRC-983, doi: 10.1175/JCLI-D-12-00108.1.

- 8936 Baums, I. B., L. S. Godwin, E. C. Franklin, D. B. Carlon, and R. J. Toonen, 2014, Discordant population expansions in four species of coral-associated Pacific hermit crabs (Anomura: Diogenidae) linked to habitat availability resulting from sea level change, *J. Biogeogr.*, 41, 339-352, doi: 10.1111/jbi.12181.
- 8937 DiNezio, P. N., and J. E. Tierney, 2013, The effect of sea level on glacial Indo-Pacific climate, *Nature Geosci.*, 6(6), 485-491, IPRC-984, doi: 10.1038/ngeo1823.
- 8938 Wainwright B., I. Arlyza, and S. A. Karl, 2013, Isolation and characterization of eighteen polymorphic microsatellite loci for the topical seagrass, *Syringodium isoetifolium*, *Conserv. Genet. Resour.*, 5(4), 943-945, HIMB-1554.
- 8939 Greene, A. R., et al. [M. O. Garcia], 2013, Temporal geochemical variations in lavas from Kilauea's Pu'u 'O'o eruption (1983-2010): Cyclic variations from melting of source heterogeneities, *Geochem. Geophys. Geosyst.*, 14(11), 4849-4873, doi: 10.1002/ggge.20285.
- 8940 Wainwright B., I. Arlyza, and S. A. Karl, 2013, Isolation and characterization of twenty-four polymorphic microsatellite loci for the topical seagrass, *Thalassia hemprichii*, *Conserv. Genet. Resour.*, 5(4), 939-941, HIMB-1555.
- 8941 Manghnani, M. H., et al. [A. Hushur, G. Amulele], 2013, Compressibility and structural stability of two variably hydrated olivine samples (Fo<sub>97</sub>Fa<sub>3</sub>) to 34 GPa by x-ray diffraction and Raman spectroscopy, *Am. Mineral.*, 98(11-12), 1972-1979, HIGP-2013.
- 8942 Clarke, A. D., et al. [S. Freitag, R. M. C. Simpson, S. G. Howell, V. L. Brekhovskikh, V. N. Kapustin, J. Zhou], 2013, Free troposphere as the dominant source of CCN in the equatorial Pacific boundary layer: long-range transport and teleconnections, *Atmos. Chem. Phys. Discuss.*, 13, 1279-1326, doi: 10.5194/acpd-13-1279-2013.
- 8943 Blot, R., et al. [A. D. Clarke, S. Freitag, V. Kapustin, S. G. Howell, L. M. Shank, C. S. McNaughton, V. Brekhovskikh], 2013, Ultrafine sea spray aerosol over the south eastern Pacific: Open-ocean contributions to marine boundary layer CCN, *Atmos. Chem. Phys.*, 13(2), 3279-3322.
- 8944 Schmitz, B., 2013, Extraterrestrial spinels and the astronomical perspective on Earth's geological record and evolution of life, *Chem. Erde*, 73(2), 117-145.
- 8945 Park, H.-S., S.-P. Xie, and S.-W. Son, 2013, Poleward stationary eddy heat transport by the Tibetan Plateau and equatorward shift of westerlies during northern winter, *J. Atmos. Sci.*, 70(10), 3288-3301, IPRC-985.
- 8946 Liu, F., and B. Wang, 2013, An air-sea coupled skeleton model for the Madden-Julian oscillation, *J. Atmos. Sci.*, 70(10), 3147-3156, IPRC-986, doi: 10.1175/JAS-D-12-0348.1.
- 8947 Blum, J. D., B. N. Popp, J. C. Drazen, A. C. Choy, and M. W. Johnson, 2013, Evidence for methylmercury production below the mixed layer in the central North Pacific Ocean, *Nature Geosci.*, 6(10), 879-884, doi: 10.1038/ngeo1918.
- 8948 Li, J., et al. [S.-P. Xie, N. C. Johnson], 2013, El Niño modulations over the past seven centuries, *Nature Clim. Change*, 3, 822-826, IPRC-987, doi: 10.1038/nclimate1936.
- 8949 Ge, X., T. Li, and M. Peng, 2013, Effects of vertical shears and mid-level dry air on tropical cyclone developments, *J. Atmos. Sci.*, 70(2), 3859-3875, IPRC-988, doi: 10.1175/JAS-D-13-066.1.

- 8950 Gallego, A., G. Ito, and R. Dunn, 2013, Investigating seismic anisotropy beneath the Reykjanes Ridge using models of mantle flow, crystallographic evolution, and surface wave propagation, *Geochem. Geophys. Geosyst.*, 14(8), 3250-3267, doi: 10.1002/ggge.20204.
- 8951 De Leo, F. C., E. W. Vetter, C. R. Smith, A. R. Ashley, and M. McGranaghan, 2014, Spatial scale-dependent habitat heterogeneity influences submarine canyon macrofaunal abundance and diversity off the Main and Northwest Hawaiian Islands, *Deep-Sea Res. II*, 104, 267-290.
- 8952 Lesser, M. P., M. Stat, and R. D. Gates, 2013, The endosymbiotic dinoflagellates (*Symbiodinium* sp.) of corals are parasites and mutualists, *Coral Reefs*, 32(3), 603-611.
- 8953 Boucharel, J., A. Timmermann, and F.-F. Jin, 2013, Zonal phase propagation of ENSO sea surface temperature anomalies: Revisited, *Geophys. Res. Lett.*, 40(15), 4048-4053, IPRC-989, doi: 10.1002/grl.50685.
- 8954 van Summeren, J., E. Gaidos, and C. P. Conrad, 2013, Magnetodynamo lifetimes for rocky, Earth-mass exoplanets with contrasting mantle convection regimes, *J. Geophys. Res.-Planets*, 118(5), 938-951, doi: 10.1002/jgre.20077.
- 8955 Belmadani, A., et al. [N. A. Maximenko, J. P. McCreary, R. Furue, O. V. Melnichenko, N. Schneider], 2013, Linear wind-forced beta-plumes with application to the Hawaiian Lee Countercurrent, *J. Phys. Oceanogr.*, 43(10), 2071-2094, IPRC-990, doi: 10.1175/JPO-D-12-0194.1.
- 8956 Conrad, C. P., B. Steinberger, and T. H. Torsvik, 2013, Stability of active mantle upwelling revealed by net characteristics of plate tectonics, *Nature*, 498(7455), 479-482, doi: 10.1038/nature12203.
- 8957 Ballmer, M. D., G. Ito, C. J. Wolfe, and S. C. Solomon, 2013, Double layering of a thermochemical plume in the upper mantle beneath Hawaii, *Earth Planet. Sci. Lett.*, 376, 155-164.
- 8958 Drupp, P. S., E. H. De Carlo, and F. T. Mackenzie, 2013, Comparison of CO<sub>2</sub> dynamics and air-sea exchange in differing tropical reef environments, *Aquat. Geochem.*, 19(5-6), 371-397.
- 8959 Conrad, C.P., 2013, The solid earth's influence on sea level, *Geol. Soc. Am. Bull.*, 125, 1027-1052, doi: 10.1130/B30764.1.
- 8960 Hong, C.-C., T. Li, Y.-K. Wu, and C.-C. Chang, 2014, The climate regime shift over the Pacific during 1996/1997, *Clim. Dyn.*, 43(1-2), 435-446, IPRC-991.
- 8961 Fu, X., et al. [J.-Y. Lee, P.-C. Hsu, H. Taniguchi, B. Wang], 2013, Multi-model MJO forecasting during DYNAMO/CINDY period, *Clim. Dyn.*, 41, 1067-1081, IPRC-992, doi: 10.1007/s00382-013-1859-9.
- 8962 Sheffield, J., et al. [N. C. Johnson, S.-P. Xie], 2013, North American climate in CMIP5 experiments. Part II: Evaluation of historical simulations of intraseasonal to decadal variability, *J. Climate*, 26(23), 9247-9290, IPRC-993, doi: 10.1175/JCLI-D-12-00593.1.
- 8963 Ito, H., N. C. Johnson, and S.-P. Xie, 2013, Subseasonal and interannual temperature variability in relation to extreme temperature occurrence over East Asia, *J. Climate*, 26(22), 9026-9042, IPRC-994, doi: 10.1175/JCLI-D-12-00676.1.

- 8964 Fabina, N. S., H. M. Putnam, E. C. Franklin, M. Stat, and R. D. Gates, 2013, Symbiotic specificity, association patterns, and function determine community responses to global changes: Defining critical research areas for coral-Symbiodinium symbioses, *Global Change Biol.*, 19, 3306-3316, HIMB-1557, doi: 10.1111/gcb.12320.
- 8965 Forsman, Z. H., E. C. Johnston, A. J. Brooks, T. C. Adam, and R. J. Toonen, 2013, Genetic evidence for regional isolation of Pocillopora corals from Moorea, *Oceanogr.*, 26(3), 153-155, HIMB-1558, <http://dx.doi.org/10.5670/oceanog.2013.58>.
- 8966 Hannides, C. C. S., B. N. Popp, C. A. Choy, and J. C. Drazen, 2013, Midwater zooplankton and suspended particle dynamics in the North Pacific Subtropical Gyre: A stable isotope perspective, *Limnol. Oceanogr.*, 58(6), 1931-1946.
- 8967 Yu, K., and T. Qu, 2013, Imprint of the Pacific Decadal Oscillation on the South China Sea throughflow variability, *J. Climate*, 26(24), 9797-9805, IPRC-995, doi: 10.1175/JCLI-D-12-00785.1.
- 8968 Ou, H., W. Au, S. Van Parijs, E. Oleson, and S. Rankin, 2013, Discrimination of frequency-modulated Baleen whale downsweep calls with overlapping frequencies, *J. Acoust. Soc. Am.*, 134(5), 3988, HIMB-1559, doi: 10.1121/1.4830537.
- 8969 Garcia, M. O., et al. [J. R. Smith, J. P. Tree], 2015, Petrology, geochemistry and ages of lavas from Northwest Hawaiian Ridge volcanoes, *Geol. Soc. Am. Spec. Pap.*, 511, 1-25, doi: 10.1130/2015.2511(01).
- 8970 Lauer, A., C. X. Zhang, O. Elison Timm, Y. Wang, and K. Hamilton, 2013, Downscaling of climate change in the Hawaii region using CMIP5 results: On the choice of the forcing fields, *J. Climate*, 26(24), 10006-10030, IPRC-996, doi: 10.1175/JCLI-D-13-00126.1.
- 8971 Elsberry, L. E., et al. [Y. Wang], 2013, Advances in understanding and forecasting rapidly changing phenomena in tropical cyclones, *Trop. Cyclone Res. Rev.*, 2(1), 13-24, IPRC-997, doi: 10.6057/2013TCRR01.02.
- 8972 Qi, L., J.-H. He, and Y. Wang, 2014, The terraced thermal contrast among the Tibetan Plateau, the East Asian plain and the western North Pacific, and its impacts on the seasonal transition of East Asian Climate, *Chin. Sci. Bull.*, 59(2), 212-221, IPRC-998, doi: 10.1007%2Fs11434-013-0025-4.
- 8973 Xu, Y., and Y. Wang, 2013, On the initial development of asymmetric vertical motion and horizontal relative flow in a mature tropical cyclone embedded in environmental vertical shear, *J. Atmos. Sci.*, 70(11), 3471-3491, IPRC-999, doi: 10.1175/JAS-D-12-0335.1.
- 8974 Wang, Y., and H. Wang, 2013, The inner-core size increase of Typhoon Megi (2010) during its rapid intensification phase, *Trop. Cyclone Res. Rev.*, 2(2), 65-80, IPRC-1000, doi: 10.6057/2013TCRR02.01.
- 8975 Yost, D. M., et al. [E. Sogin, R. D. Gates], 2013, Diversity in skeletal architecture influences biological heterogeneity and Symbiodinium habitat in corals, *Zoology*, 116(5), 262-269.
- 8976 Jury, C. P., F. I. M. Thomas, M. J. Atkinson, and R. J. Toonen, 2013, Buffer capacity, ecosystem feedbacks, and seawater chemistry under global change, *Water*, 5, 1303-1325, HIMB-1561, doi: 10.3390/w5031303.

- 8977 Keever, C. C., et al. [J. B. Puritz, R. J. Toonen], 2013, Shallow gene pools in the high intertidal: extreme loss of genetic diversity in viviparous sea stars (*Parvulastra*), *Biol. Lett.*, 9(5), 20130551, <http://dx.doi.org/10.1098/rsbl.2013.0551>.
- 8978 Ogata, T., S.-P. Xie, A. Wittenberg, and D.-Z. Sun, 2013, Interdecadal amplitude modulation of El Niño/Southern Oscillation and its impacts on tropical Pacific decadal variability, *J. Climate*, 26(18), 7280-7297, IPRC-1001, doi: 10.1175/JCLI-D-12-00415.1.
- 8979 Cheung, K. F., Y. Bai, and Y. Yamazaki, 2013, Surges around the Hawaiian Islands from the 2011 Tohoku tsunami, *J. Geophys. Res.-Oceans*, 118(10), 5703-5719, doi: 10.1002/jgrc.20413.
- 8980 Kienast, S.S., T. Friedrich, N. Dubois, P. S. Hill, and A. Timmermann, 2013, Near-collapse of the meridional SST gradient in the Eastern Equatorial Pacific during the Heinrich Stadial 1, *Paleoceanogr.*, 28(4), 663-674, doi: 10.1002/2013PA002499, IPRC-1002.
- 8981 Liu, J.-W., S.-P. Zhang, and S.-P. Xie, 2013, Two types of surface wind response to the East China Sea Kuroshio front, *J. Climate*, 26(21), 8616-8627, doi: 10.1175/JCLI-D-12-00092.1, IPRC-1003.
- 8982 Howell, S. G., A. D. Clarke, S. Freitag, C. S. McNaughton, V. Kapustin, V. Brekovskikh, J.-L. Jimenez, and M. J. Cubison, 2013, An airborne assessment of atmospheric particulate emissions for the processing of Athabasca oil sands, *Atmos. Chem. Phys. Discuss.*, 13, 21301-21343, doi: 10.5194/acpd-13-21301-2013.
- 8983 Marti-Puig, P., Z. H. Forsman, R. D. Haverkort-Yeh, I. S.S. Knapp, J. E. Maragos, and R. J. Toonen, 2014, Extreme phenotypic polymorphism in the coral genus *Pocillopora*; micro-morphology corresponds to mitochondrial groups, while colony morphology does not, *Bull. Mar. Sci.*, 90(1), 211-231, HIMB-1564.
- 8984 Ishizu, M., and K. J. Richards, 2013, Relationship between oxygen, nitrate, and phosphate in the world ocean based on potential temperature, *J. Geophys. Res.-Oceans*, 118(7), 3586-3594, doi: 10.1002/jgrc.20249, IPRC-1004.
- 8985 Kosaka, Y., and S.-P. Xie, 2013, Recent global-warming hiatus tied to equatorial Pacific surface cooling, *Nature*, 501(7467), 403-407, doi: 10.1038/nature12534, IPRC-1005.
- 8986 Isaacson, P. J., et al., 2014, Visible to near-infrared optical properties of pure synthetic olivine across the olivine solid solution, *Am. Mineral.*, 99, 467-478, HIGP-2015.
- 8987 Isaacson, P. J., T. Hiroi, C. M. Pieters, Y. Liu, A. Patchen, and L. A. Taylor, 2016, Spectroscopy of lunar meteorites: New lunar ground truth measurements, *Meteorit. Planet. Sci.*, HIGP-2017 (in press).
- 8988 Bird, C. E., E. C. Franklin, C. M. Smith, and R. J. Toonen, 2013, Between tide and wave marks: a unifying model of physical zonation on littoral shores, *PeerJ*, 1, e154, <https://dx.doi.org/10.7717/peerj.154>.
- 8989 Nelson, C. E., C. A. Carlson, C. S. Ewart, E. R. Halewood, 2014, Community differentiation and population enrichment of Sargasso Sea bacterioplankton in the euphotic zone of a mesoscale mode-water eddy, *Environ. Microbiol.*, 16, 871-887, doi: 10.1111/1462-2920.12241, HIMB-1565.

- 8990 Xiang, B., B. Wang, A. Lauer, J.-Y. Lee, and Q. Ding, 2014, Upper tropospheric warming intensifies sea surface warming, *Clim. Dyn.*, 43(1-2), 259-270, doi: 10.1007/s00382-013-1928-0, IPRC-1006.
- 8991 Crites, S., P. G. Lucey, and D. J. Lawrence, 2013, Proton flux and radiation dose from galactic cosmic rays in the lunar regolith and implications for organic synthesis at the poles of the Moon and Mercury, *Icarus*, 226(2), 1192-1200, doi: 10.1016/j.icarus.2013.08.003, HIGP-2016.
- 8992 Void (no publication information available).
- 8993 Choy, C. A., E. Portner, M. Iwane, and J. C. Drazen, 2013, Diets of five important predatory mesopelagic fishes of the central North Pacific, *Mar. Ecol. Prog. Ser.*, 492, 169-184, doi: 10.3354/meps10518.
- 8994 Grange, L. J., and C. R. Smith, 2013, Megafaunal communities in rapidly warming fjords along the West Antarctic Peninsula: Hotspots of abundance and beta diversity, *PLOS ONE*, 8(12), e77917, doi: 10.1371/journal.pone.0077917.
- 8995 Glover, A. G., H. Wiklund, S. Taboada, C. Avila, J. Cristobo, C. R. Smith, K. M. Kemp, A. J. Jamieson, and T. G. Dahlgren, 2013, Bone-eating worms from the Antarctic: the contrasting fate of whale and wood remains on the Southern Ocean seafloor, *Proc. R. Soc. B*, 280(1768), 20131390, doi: 10.1098/rspb.2013.1390.
- 8996 Drazen, J. C., B. Dugan, and J. R. Friedman, 2013, Red muscle proportions and enzyme activities in deep-sea demersal fishes, *J. Fish Biol.*, 83, 1592-1612, doi: 10.1111/jfb.12268.
- 8997 Schloesser, F., R. Furue, J. P. McCreary, and A. Timmermann, 2014, Dynamics of the Atlantic meridional overturning circulation. Part 2: Forcing by winds and buoyancy, *Prog. Oceanogr.*, 120, 154-176, doi: 10.1016/j.pocean.2013.08.007, IPRC-1007.
- 8998 Arai, R., and R. A. Dunn, 2014, Seismological study of Lau back arc crust: mantle water, magmatic differentiation, and a compositionally zoned basin, *Earth Planet. Sci. Lett.*, 390, 314-317.
- 8999 Stopa, J. E., and K. F. Cheung, 2014, Intercomparison of wind and wave data from the ECMWF reanalysis interim and the NCEP Climate Forecast System reanalysis, *Ocean Model.*, 75, 65-83.



## SOEST Reports

- 09-01 Glazier, E., J. Stevens, R. Scalf, J. Shackeroff, and C. Carothers, 2009, A report on historic and contemporary patterns of change in Hawaii-based pelagic handline fishing operations—Final Report, PFRP data report, JIMAR 09-370, 86 pp.
- 09-02 Hyder, P., K. Bigelow, R. Brainard, M. Seki, J. Firing, and P. Flament, 2010, Migration and abundance of bigeye tuna (*Thunnus obesus*), and other pelagic species, inferred from catch rates and their relation to variations in the ocean environment, JIMAR 09-371, 60 pp.
- 10-01 Sharma, S.K., L. E. Kamemoto, A. K. Misra, and A. C. Dykes, 2010, Biological Raman and optical imaging program: Detecting bioagents and biomarkers, U.S. Army Research Laboratory final report, 44 pp.
- 11-01 Arita, S., M. Pan, J. Hospital, and P. Leung, 2011, Contribution, linkages and impacts of the fisheries sector to Hawaii's economy: A social accounting matrix analysis, PFRP data report, JIMAR 11-373, 54 pp.
- 11-02 Li, S., and M. Pan, 2011, Fishing opportunities under the sea turtle interaction caps—A spatial bi-economic model for the Hawaii-based longline swordfish, PFRP data report, JIMAR 11-378, 46 pp.
- 12-01 Geslani, C., M. Loke, B. Takenaka, and P. Leung, 2012, Hawaii's Seafood Consumption and its supply sources, PFRP data report, JIMAR 12-379, 30 pp.
- 12-02 Guiles, M., D. S. Luther, and M. Merrifield, 2012, PacIOOS—Sea Level Public Information Products: Part 1 - Sea Level Forecasts at Harbors in Hawaii and on Other Pacific Islands, SOEST Technical Report, 72 pp.
- 12-03 Barnes-Mauthe, M., S. Arita, S. Allen, and P. Leung, 2012, A network analysis of fisher's social capital and the effects of ethnic diversity in Hawaii's longline fishery, PFRP data report, JIMAR 12-381, 30 pp.
- 13-01 Yu, R., S. Railsback, C. Sheppard, and P. Leung, 2013, Agent-based fishery management model of Hawaii's longline fisheries (FMMHLF): Model description and software guide, PFRP data report, JIMAR 13-383, 66 pp.
- 14-01 Ruttenberg, K. C., M. A. McManus, B. T. Glazer, K. Falinski, and H. Mills, 2013, A preliminary study of the impacts of mangrove removal on flow, turbidity, and redox state of the benthos in He'eia Fishpond, O'ahu, Hawai'i, report to Paepae O He'eia.
- 14-02 Au, W. W. L., M. Richlen, and G. Giorli, 2014, The biosonar activities of deep diving odontocetes and the presence of baleen whales in the Marianas, Hawaii Inst. of Marine Biology report, 44 pp.