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## Journal Articles (n=454)

Ahyong ST. 2008. Deepwater crabs from seamounts and chemosynthetic habitats off eastern New Zealand (Crustacea : Decapoda : Brachyura). *Zootaxa*(1708):1-72.

Aig D, Haywood K. 2008. Through the Sea Snow: The Central Role of Videography in the Deep Gulf Wrecks Mission. *International Journal of Historical Archaeology* 12(2):133-145. doi:10.1007/s10761-008-0049-7

Andrews AH, Stone RP, Lundstrom CC, DeVogelaere AP. 2009. Growth rate and age determination of bamboo corals from the northeastern Pacific Ocean using refined Pb-210 dating. *Marine Ecology-Progress Series* 397:173-185. doi:10.3354/meps08193

Angel MV. 2010. Towards a full inventory of planktonic Ostracoda (Crustacea) for the subtropical Northwestern Atlantic Ocean. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2173-2188. doi:10.1016/j.dsr2.2010.09.020

Arellano SM, Young CM. 2009. Spawning, Development, and the Duration of Larval Life in a Deep-Sea Cold-Seep Mussel. *Biological Bulletin* 216(2):149-162.

Auster PJ. 2007. Linking deep-water corals and fish populations. *Bulletin of Marine Science* 81:93-99.

Auster PJ, Gjerde K, Heupel E, Watling L, Grehan A, Rogers AD. 2011. Definition and detection of vulnerable marine ecosystems on the high seas: problems with the "move-on" rule. *ICES Journal of Marine Science* 68(2):254-264. doi:10.1093/icesjms/fsq074

Auster PJ, Watling L. 2010. Beaked whale foraging areas inferred by gouges in the seafloor. *Marine Mammal Science* 26(1):226-233. doi:10.1111/j.1748-7692.2009.00325.x

Babechuk MG, Kamber BS, Greig A, Canil D, Kodolanyi J. 2010. The behaviour of tungsten during mantle melting revisited with implications for planetary differentiation time scales. *Geochimica et Cosmochimica Acta* 74(4):1448-1470. doi:10.1016/j.gca.2009.11.018

- Baco AR. 2007. Exploration for Deep-Sea Corals on North Pacific Seamounts and Islands. *Oceanography* 20(4):108-117.
- Baco AR, Clark AM, Shank TM. 2006. Six microsatellite loci from the deep-sea coral *Corallium lauense* (Octocorallia : Coralliidae) from the islands and seamounts of the Hawaiian archipelago. *Molecular Ecology Notes* 6(1):147-149. doi:10.1111/j.1471-8286.2005.01170.x
- Baco AR, Rowden AA, Levin LA, Smith CR, Bowden DA. 2010. Initial characterization of cold seep faunal communities on the New Zealand Hikurangi margin. *Marine Geology* 272(1-4):251-259. doi:10.1016/j.margeo.2009.06.015
- Baker ET, Embley RW, Walker SL, Resing JA, Lupton JE, Nakamura K, de Ronde CEJ, Massoth GJ. 2008. Hydrothermal activity and volcano distribution along the Mariana arc. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s09. doi:10.1029/2007jb005423
- Baker ET, Haymon RM, Resing JA, White SM, Walker SL, Macdonald KC, Nakamura K. 2008. High-resolution surveys along the hot spot-affected Galapagos Spreading Center: 1. Distribution of hydrothermal activity. *Geochemistry Geophysics Geosystems* 9:Q09003. doi:10.1029/2008gc002028
- Baker ET, Lupton JE, Resing JA, Baumberger T, Lilley MD, Walker SL, Rubin KH. 2011. Unique event plumes from a 2008 eruption on the Northeast Lau Spreading Center. *Geochemistry Geophysics Geosystems* 12(Q0AF02). doi:10.1029/2011gc003725
- Baker ET, Massoth GJ, Nakamura K, Embley RW, de Ronde CEJ, Arculus RJ. 2005. Hydrothermal activity on near-arc sections of back-arc ridges: Results from the Mariana Trough and Lau Basin. *Geochemistry Geophysics Geosystems* 6:Q09001. doi:10.1029/2005gc000948
- Ballard RD. 2007. Archaeological Oceanography. *Oceanography* 20(4):62-67.
- Bates AE. 2007. Feeding strategy, morphological specialisation and presence of bacterial epibionts in lepetodrilid gastropods from hydrothermal vents. *Marine Ecology-Progress Series* 347:87-99. doi:10.3354/meps07020
- Bates AE. 2007. Persistence, morphology, and nutritional state of a gastropod hosted bacterial symbiosis in different levels of hydrothermal vent flux. *Marine Biology* 152(3):557-568. doi:10.1007/s00227-007-0709-x
- Baumberger RE, Brown-Peterson NJ, Reed JK, Gilmore RG. 2010. Spawning Aggregation of Beardfish, *Polymixia lowei*, in a Deep-water Sinkhole off the Florida Keys. *Copeia*(1):41-46. doi:10.1643/ce-09-004

- Baums IB, Miller MW, Hellberg ME. 2005. Regionally isolated populations of an imperiled Caribbean coral, *Acropora palmata*. *Molecular Ecology* 14(5):1377-1390. doi:10.1111/j.1365-294X.2005.02489.x
- Becker EL, Cordes EE, Macko SA, Fisher CR. 2009. Importance of seep primary production to *Lophelia pertusa* and associated fauna in the Gulf of Mexico. *Deep-Sea Research Part I-Oceanographic Research Papers* 56(5):786-800. doi:10.1016/j.dsr.2008.12.006
- Becker EL, Lee RW, Macko SA, Faure BM, Fisher CR. 2010. Stable carbon and nitrogen isotope compositions of hydrocarbon-seep bivalves on the Gulf of Mexico lower continental slope. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1957-1964. doi:10.1016/j.dsr2.2010.05.002
- Becker EL, Macko SA, Lee RW, Fisher CR. 2011. Stable isotopes provide new insights into vestimentiferan physiological ecology at Gulf of Mexico cold seeps. *Naturwissenschaften* 98(2):169-174. doi:10.1007/s00114-010-0754-z
- Bell KLC, Elliott K, Martinez C, Fuller SA. 2012. New Frontiers in Ocean Exploration: The E/V Nautilus and NOAA Ship Okeanos Explorer 2011 Field Season. *Oceanography* 25(1, supplement):1-68. doi:10.5670/oceanog.2011.supplement.01
- Benfield MC, Caruso JH, Sulak KJ. 2009. In Situ Video Observations of Two Manefishes (Perciformes: Caristiidae) in the Mesopelagic Zone of the Northern Gulf of Mexico. *Copeia*(4):637-641. doi:10.1643/ci-08-126
- Benfield MC, Graham WM. 2010. In situ observations of *Stygiomedusa gigantea* in the Gulf of Mexico with a review of its global distribution and habitat. *Journal of the Marine Biological Association of the United Kingdom* 90(6):1079-1093. doi:10.1017/s0025315410000536
- Benjamin SB, Haymon RM. 2006. Hydrothermal mineral deposits and fossil biota from a young (0.1 Ma) abyssal hill on the flank of the fast spreading East Pacific Rise: Evidence for pulsed hydrothermal flow and tectonic tapping of axial heat and fluids. *Geochemistry Geophysics Geosystems* 7(Q05002). doi:10.1029/2005gc001011
- Berger MS, Young CM. 2006. Physiological response of the cold-seep mussel *Bathymodiolus childressi* to acutely elevated temperature. *Marine Biology* 149(6):1397-1402. doi:10.1007/s00227-006-0310-8
- Bernhard JM, Bowser SS. 2008. Peroxisome proliferation in foraminifera inhabiting the chemocline: An adaptation to reactive oxygen species exposure? *Journal of Eukaryotic Microbiology* 55(3):135-144. doi:10.1111/j.1550-7408.2008.00318.x

- Biddanda BA, Coleman DF, Johengen TH, Ruberg SA, Meadows GA, Van Sumeren HW, Rediske RR, Kendall ST. 2006. Exploration of a submerged sinkhole ecosystem in Lake Huron. *Ecosystems* 9(5):828-842. doi:10.1007/s10021-005-0057-y
- Bingham B, Seering W. 2006. Hypothesis grids: Improving long baseline navigation for autonomous underwater vehicles. *IEEE Journal of Oceanic Engineering* 31(1):209-218. doi:10.1109/joe.2006.872220
- Blanco-Bercial L, Alvarez-Marques F, Bucklin A. 2011. Comparative phylogeography and connectivity of sibling species of the marine copepod *Clausocalanus* (Calanoida). *Journal of Experimental Marine Biology and Ecology* 404(1-2):108-115. doi:10.1016/j.jembe.2011.05.011
- Bluhm BA, Iken K, Hardy SM, Sirenko BI, Holladay BA. 2009. Community structure of epibenthic megafauna in the Chukchi Sea. *Aquatic Biology* 7(3):269-293. doi:10.3354/ab00198
- Bluhm BA, Iken K, Hopcroft RR. 2010. Observations and exploration of the Arctic's Canada Basin and the Chukchi Sea: The Hidden Ocean and RUSALCA expeditions. *Deep-Sea Research Part II- Topical Studies in Oceanography* 57(1-2):1-4. doi:10.1016/j.dsr2.2009.08.001
- Bluhm BA, MacDonald IR, Debenham C, Iken K. 2005. Macro- and megabenthic communities in the high Arctic Canada Basin: initial findings. *Polar Biology* 28(3):218-231. doi:10.1007/s00300-004-0675-4
- Bornhold BD, Jay CV, McConnaughey R, Rathwell G, Rhynas K, Collins W. 2005. Walrus foraging marks on the seafloor in Bristol Bay, Alaska: a reconnaissance survey. *Geo-Marine Letters* 25(5):293-299. doi:10.1007/s00367-004-0205-y
- Boschi C, Dini A, Fruh-Green GL, Kelley DS. 2008. Isotopic and element exchange during serpentinization and metasomatism at the Atlantis Massif (MAR 30 degrees N): Insights from B and Sr isotope data. *Geochimica et Cosmochimica Acta* 72(7):1801-1823. doi:10.1016/j.gca.2008.01.013
- Bosley KL, Lavelle JW, Brodeur RD, Wakefield WW, Emmett RL, Baker ET, Rehmke KM. 2004. Biological and physical processes in and around Astoria submarine Canyon, Oregon, USA. *Journal of Marine Systems* 50(1-2):21-37. doi:10.1016/j.jmarsys.2003.06.006
- Bradford-Grieve JM. 2010. *Hyperbionyx athesphatos* n.sp. (Calanoida: Hyperbionychidae), a rare deep-sea form taken from the tropical North Atlantic. *Deep Sea Research Part II: Topical Studies in Oceanography* 57(24-26):2167-2172. doi:10.1016/j.dsr2.2010.09.019
- Brazelton WJ, Baross JA. 2009. Abundant transposases encoded by the metagenome of a hydrothermal chimney biofilm. *ISME Journal* 3(12):1420-1424. doi:10.1038/ismej.2009.79

Brazelton WJ, Baross JA. 2010. Metagenomic Comparison of Two Thiomicrospira Lineages Inhabiting Contrasting Deep-Sea Hydrothermal Environments. *Plos One* 5(10):e13530. doi:10.1371/journal.pone.0013530

Brazelton WJ, Ludwig KA, Sogin ML, Andreishcheva EN, Kelley DS, Shen CC, Edwards RL, Baross JA. 2010. Archaea and bacteria with surprising microdiversity show shifts in dominance over 1,000-year time scales in hydrothermal chimneys. *Proceedings of the National Academy of Sciences of the United States of America* 107(4):1612-1617. doi:10.1073/pnas.0905369107

Brazelton WJ, Mehta MP, Kelley DS, Baross JA. 2011. Physiological Differentiation within a Single-Species Biofilm Fueled by Serpentinization. *mBio* 2(4). doi:10.1128/mBio.00127-11

Brennan ML. 2009. Ancient Shipwreck Survey and the Modern Submarine Landscape off Yalikavak, Turkey. *Marine Technology Society Journal* 43(1):47-49. doi:10.4031/MTSJ.43.1.1

Bright M, Plum C, Riavitz LA, Nikolov N, Arbizu PM, Cordes EE, Gollner S. 2010. Epizooic metazoan meiobenthos associated with tubeworm and mussel aggregations from cold seeps of the northern Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1982-1989. doi:10.1016/j.dsr2.2010.05.003

Brooke S, Young CM. 2003. Reproductive ecology of a deep-water scleractinian coral, *Oculina varicosa*, from the southeast Florida shelf. *Continental Shelf Research* 23(9):847-858. doi:10.1016/S0278-4343(03)00080-3

Brooks RA, Nizinski MS, Ross SW, Sulak KJ. 2007. Frequency of sublethal injury in a deepwater ophiuroid, *Ophiacantha bidentata*, an important component of western Atlantic *Lophelia* reef communities. *Marine Biology* 152(2):307-314. doi:10.1007/s00227-007-0690-4

Brown HC, Kim A, Eustice RM. 2009. An Overview Autonomous Underwater Vehicle Research and Testbed at PeRL. *Marine Technology Society Journal* 43(2):33-47.

Brugler MR, France SC. 2007. The complete mitochondrial genome of the black coral *Chrysopathes formosa* (Cnidaria : Anthozoa : Antipatharia) supports classification of antipatharians within the subclass Hexacorallia. *Molecular Phylogenetics and Evolution* 42(3):776-788. doi:10.1016/j.ympev.2006.08.016

Brugler MR, France SC. 2008. The mitochondrial genome of a deep-sea bamboo coral (Cnidaria, Anthozoa, Octocorallia, Isididae): Genome structure and putative origins of replication are not conserved among octocorals. *Journal of Molecular Evolution* 67(2):125-136. doi:10.1007/s00239-008-9116-2

- Bucklin A, Hopcroft RR, Kosobokova KN, Nigro LM, Ortman BD, Jennings RM, Sweetman CJ. 2010. DNA barcoding of Arctic Ocean holozooplankton for species identification and recognition. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):40-48. doi:10.1016/j.dsr2.2009.08.005
- Bucklin A, Ortman BD, Jennings RM, Nigro LM, Sweetman CJ, Copley NJ, Sutton T, Wiebe PH. 2010. A "Rosetta Stone" for metazoan zooplankton: DNA barcode analysis of species diversity of the Sargasso Sea (Northwest Atlantic Ocean). *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2234-2247. doi:10.1016/j.dsr2.2010.09.025
- Bucklin A, Wiebe PH, Smolenack SB, Copley NJ, Beaudet JG, Bonner KG, Farber-Lorda J, Pierson JJ. 2007. DNA barcodes for species identification of euphausiids (Euphausiacea, Crustacea). *Journal of Plankton Research* 29(6):483-493. doi:10.1093/plankt/fbm031
- Burki F, Kudryavtsev A, Matz M, Aglyamova G, Bulman S, Fiers M, Keeling P, Pawlowski J. 2010. Evolution of Rhizaria: new insights from phylogenomic analysis of uncultivated protists. *BMC Evolutionary Biology* 10(1):377. doi:10.1186/1471-2148-10-377
- Butterfield DA, Nakamura K, Takano B, Lilley MD, Lupton JE, Resing JA, Roe KK. 2011. High SO<sub>2</sub> flux, sulfur accumulation, and gas fractionation at an erupting submarine volcano. *Geology* 39(9):803-806. doi:10.1130/g31901.1
- Cairns SD. 2005. Revision of the Hawaiian Stylasteridae (Cnidaria: Hydrozoa: Athecata). *Pacific Science* 59(3):439-451. doi:10.1353/psc.2005.0034
- Cairns SD. 2006. New records of azooxanthellate Scleractinia from the Hawaiian Islands. *Bishop Museum Occasional Papers* 87:45-53.
- Cairns SD. 2007. Calcaxonian octocorals (Cnidaria; Anthozoa) from eastern Pacific seamounts. *Proceedings of the California Academy of Sciences* 58(25):511-541.
- Cairns SD. 2007. Studies on western Atlantic octocorallia (Gorgonacea : Primnoidae). Part 8: New records of Primnoidae from the New England and corner rise seamounts. *Proceedings of the Biological Society of Washington* 120(3):243-263. doi:10.2988/0006-324X(2007)120[243:SOWAOG]2.0.CO;2
- Cairns SD. 2009. Review of Octocorallia (Cnidaria: Anthozoa) from Hawai'i and Adjacent Seamounts. Part 2: Genera *Paracalyptrophora* Kinoshita, 1908; *Candidella* Bayer, 1954; and *Calyptrophora* Gray, 1866. *Pacific Science* 63(3):413-448. doi:10.2984/049.063.0309

- Cairns SD. 2010. Review of Octocorallia (Cnidaria: Anthozoa) from Hawai'i and Adjacent Seamounts. Part 3: Genera *Thouarella*, *Plumarella*, *Callogorgia*, *Fanellia*, and *Parastenella*. *Pacific Science* 64(3):413-440. doi:10.2984/64.3.413
- Cairns SD, Baco A. 2007. Review and five new Alaskan species of the deep-water octocoral *Narella* (Octocorallia : Primnoidae). *Systematics and Biodiversity* 5(4):391-407. doi:10.1017/s1477200007002472
- Cairns SD, Bayer FM. 2008. A review of the octocorallia (Cnidaria : Anthozoa) from Hawai'i and adjacent seamounts: The genus *Narella* Gray, 1870. *Pacific Science* 62(1):83-115. doi:10.2984/1534-6188(2008)62[83:AROTOC]2.0.CO;2
- Camilli R, Sakellariou D, Foley B, Anagnostou C, Malios A, Bingham B, Eustice R, Goudreau J, Katsaros K. 2007. Investigation Of Hydrothermal Vents In The Aegean Sea Using An Integrated Mass Spectrometer And Acoustic Navigation System Onboard A Human Occupied Submersible. *Rapp. Comm. int. Mer Médit.* 38:79-79.
- Carey S, Sigurdsson H. 2007. Exploring Submarine Arc Volcanoes. *Oceanography* 20(4):80-89.
- Carney RS. 2010. Stable isotope trophic patterns in echinoderm megafauna in close proximity to and remote from Gulf of Mexico lower slope hydrocarbon seeps. *Deep-Sea Research Part II- Topical Studies in Oceanography* 57(21-23):1965-1971. doi:10.1016/j.dsr2.2010.09.027
- Carney SL, Formica MI, Divatia H, Nelson K, Fisher CR, Schaeffer SW. 2006. Population structure of the mussel "*Bathymodiolus*" *childressi* from Gulf of Mexico hydrocarbon seeps. *Deep-Sea Research Part I-Oceanographic Research Papers* 53(6):1061-1072. doi:10.1016/j.dsr.2006.03.002
- Caruso JH, Ross SW, Sulak KJ, Sedberry GR. 2007. Deep-water chaunacid and lophiid anglerfishes (Pisces : Lophiiformes) off the south-eastern United States. *Journal of Fish Biology* 70(4):1015-1026. doi:10.1111/j.1095-8649.2007.01360.x
- Casazza TL, Ross SW. 2008. Fishes associated with pelagic Sargassum and open water lacking Sargassum in the Gulf Stream off North Carolina. *Fishery Bulletin* 106(4):348-363.
- Casazza TL, Ross SW, Necaie AM, Sulak KJ. 2005. Reproduction and mating behavior of the Atlantic flyingfish, *Cheilopogon melanurus* (exocoetidae), off north Carolina. *Bulletin of Marine Science* 77(3):363-375.
- Chadwick WW, Cashman KV, Embley RW, Matsumoto H, Dziak RP, de Ronde CEJ, Lau TK, Deardorff ND, Merle SG. 2008. Direct video and hydrophone observations of submarine

explosive eruptions at NW Rota-1 volcano, Mariana arc. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s10. doi:10.1029/2007jb005215

Chadwick WW, Dziak RP, Haxel JH, Embley RW, Matsumoto H. 2012. Submarine landslide triggered by volcanic eruption recorded by in situ hydrophone. *Geology* 40(1):51-54. doi:10.1130/g32495.1

Chadwick WW, Embley RW, Baker ET, Resing JA, Lupton JE, Cashman KV, Dziak RP, Tunncliffe V, Butterfield DA, Tamura Y. 2010. Northwest Rota-1 Seamount. *Oceanography* 23(1):182-183.

Chadwick WW, Embley RW, Johnson PD, Merle SG, Ristau S, Bobbitt A. 2005. The submarine flanks of Anatahan volcano, commonwealth of the Northern Mariana Islands. *Journal of Volcanology and Geothermal Research* 146(1-3):8-25. doi:10.1016/j.jvolgeores.2004.11.032

Chadwick WW, Wright IC, Schwarz-Schampera U, Hyvernaud O, Reymond D, de Ronde CEJ. 2008. Cyclic eruptions and sector collapses at Monowai submarine volcano, Kermadec arc: 1998-2007. *Geochemistry Geophysics Geosystems* 9(Q10014). doi:10.1029/2008gc002113

Chao LSL, Davis RE, Moyer CL. 2007. Characterization of bacterial community structure in vestimentiferan tubeworm *Ridgeia piscesae* trophosomes. *Marine Ecology-an Evolutionary Perspective* 28(1):72-85. doi:10.1111/j.1439-0485.2007.00151.x

Chaytor JD, Keller RA, Duncan RA, Dziak RP. 2007. Seamount morphology in the Bowie and Cobb hot spot trails, Gulf of Alaska. *Geochemistry Geophysics Geosystems* 8:Q09016. doi:10.1029/2007gc001712

Cheevers JF. 2002. Nautical Archaeology - The Monitor Expedition - 2002. *Nautical Research Journal* 47(4):230-235.

Chernova NV, Stein DL. 2004. A remarkable new species of *Pseudnos* (Teleostei : Liparidae) from the western North Atlantic Ocean. *Fishery Bulletin* 102(2):245-250.

Cho W, Shank TM. 2010. Incongruent patterns of genetic connectivity among four ophiuroid species with differing coral host specificity on North Atlantic seamounts. *Marine Ecology* 31:121-143. doi:10.1111/j.1439-0485.2010.00395.x

Church R, Warren D. 2008. The 2004 Deepwrecks Project: Analysis of World War II Era Shipwrecks in the Gulf of Mexico. *International Journal of Historical Archaeology* 12(2):82-102. doi:10.1007/s10761-008-0050-1

Church R, Warren D. 2008. Sound Methods: The Necessity of High-resolution Geophysical Data for Planning Deepwater Archaeological Projects. *International Journal of Historical Archaeology* 12(2):103-119. doi:10.1007/s10761-008-0047-9



- Church RA, Warren DJ, Irion JB. 2009. Analysis of Deepwater Shipwrecks in the Gulf of Mexico: Artificial Reef Effect of Six World War II Shipwrecks. *Oceanography* 22(2):50-63.
- Churnside JH, Demer DA, Griffith D, Emmett RL, Brodeur RD. 2009. Comparisons of lidar, acoustic and trawl data on two scales in the northeast Pacific Ocean. *California Cooperative Oceanic Fisheries Investigations Reports* 50:118-122.
- Clague DA, Paduan JB, Caress DW, Thomas H, Chadwick WW, Merle SG. 2011. Volcanic morphology of West Mata Volcano, NE Lau Basin, based on high-resolution bathymetry and depth changes. *Geochemistry Geophysics Geosystems* 12(QOAF03). doi:10.1029/2011gc003791
- Clague DA, Paduan JB, Duncan RA, Huard JJ, Davis AS, Castillo PR, Lonsdale P, DeVogelaere A. 2009. Five million years of compositionally diverse, episodic volcanism: Construction of Davidson Seamount atop an abandoned spreading center. *Geochemistry Geophysics Geosystems* 10(Q12009). doi:10.1029/2009gc002665
- Coleman DF. 2002. Underwater archaeology in Thunder Bay National Marine Sanctuary, Lake Huron - Preliminary results from a shipwreck mapping survey. *Marine Technology Society Journal* 36(3):33-44.
- Copley JTP, Young CM. 2006. Seasonality and zonation in the reproductive biology and population structure of the shrimp *Alvinocaris stactophila* (Caridea : Alvinocarididae) at a Louisiana Slope cold seep. *Marine Ecology-Progress Series* 315:199-209. doi:10.3354/meps315199
- Corbin A, Smith S. 2008. New Fathoms in Scientific Exploration: The DeepWrecks Project. *International Journal of Historical Archaeology* 12(2):71-74. doi:10.1007/s10761-008-0048-8
- Cordes EE, Becker EL, Hourdez S, Fisher CR. 2010. Influence of foundation species, depth, and location on diversity and community composition at Gulf of Mexico lower-slope cold seeps. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1870-1881. doi:10.1016/j.dsr2.2010.05.010
- Cordes EE, Bergquist DC, Fisher CR. 2009. Macro-Ecology of Gulf of Mexico Cold Seeps. *Annual Review of Marine Science* 1:143-168. doi:10.1146/annurev.marine.010908.163912
- Cordes EE, Bergquist DC, Predmore BL, Jones C, Deines P, Telesnicki G, Fisher CR. 2006. Alternate unstable states: Convergent paths of succession in hydrocarbon-seep tubeworm-associated communities. *Journal of Experimental Marine Biology and Ecology* 339(2):159-176. doi:10.1016/j.jembe.2006.07.017

- Cordes EE, Bergquist DC, Redding ML, Fisher CR. 2007. Patterns of growth in cold-seep vestimentiferans including *Seepiophila jonesi*: a second species of long-lived tubeworm. *Marine Ecology-an Evolutionary Perspective* 28(1):160-168. doi:10.1111/j.1439-0485.2006.00112.x
- Cordes EE, Carney SL, Hourdez S, Carney RS, Brooks JM, Fisher CR. 2007. Cold seeps of the deep Gulf of Mexico: Community structure and biogeographic comparisons to Atlantic equatorial belt seep communities. *Deep-Sea Research Part I-Oceanographic Research Papers* 54(4):637-653. doi:10.1016/j.dsr.2007.01.001
- Cordes EE, Cunha MR, Galeron J, Mora C, Olu-Le Roy K, Sibuet M, Van Gaever S, Vanreusel A, Levin LA. 2010. The influence of geological, geochemical, and biogenic habitat heterogeneity on seep biodiversity. *Marine Ecology-an Evolutionary Perspective* 31(1):51-65. doi:10.1111/j.1439-0485.2009.00334.x
- Cordes EE, Hourdez S, Predmore BL, Redding ML, Fisher CR. 2005. Succession of hydrocarbon seep communities associated with the long-lived foundation species *Lamellibrachia luymesii*. *Marine Ecology-Progress Series* 305:17-29. doi:10.3354/meps305017
- Cordes EE, McGinley MP, Podowski EL, Becker EL, Lessard-Pilon S, Viada ST, Fisher CR. 2008. Coral communities of the deep Gulf of Mexico. *Deep-Sea Research Part I-Oceanographic Research Papers* 55(6):777-787. doi:10.1016/j.dsr.2008.03.005
- Curtin TB, Crimmins DM, Curcio J, Benjamin M, Roper C. 2005. Autonomous underwater vehicles: Trends and transformations. *Marine Technology Society Journal* 39(3):65-75.
- Dattagupta S, Arthur MA, Fisher CR. 2008. Modification of sediment geochemistry by the hydrocarbon seep tubeworm *Lamellibrachia luymesii*: A combined empirical and modeling approach. *Geochimica et Cosmochimica Acta* 72(9):2298-2315. doi:10.1016/j.gca.2008.02.016
- Dattagupta S, Redding M, Luley K, Fisher C. 2009. Comparison of proton-specific ATPase activities in plume and root tissues of two co-occurring hydrocarbon seep tubeworm species *Lamellibrachia luymesii* and *Seepiophila jonesi*. *Marine Biology* 156(4):779-786. doi:10.1007/s00227-009-1132-2
- Dattagupta S, Telesnicki G, Luley K, Predmore B, McGinley M, Fisher CR. 2007. Submersible operated peepers for collecting porewater from deep-sea sediments. *Limnology and Oceanography-Methods* 5:263-268. doi:10.4319/lom.2007.5.263
- Davies AJ, Duineveld GCA, van Weering TCE, Mienis F, Quattrini AM, Seim HE, Bane JM, Ross SW. 2010. Short-term environmental variability in cold-water coral habitat at Viosca Knoll, Gulf of Mexico. *Deep-Sea Research Part I-Oceanographic Research Papers* 57(2):199-212. doi:10.1016/j.dsr.2009.10.012

- Davis AS, Clague DA, Bohrson WA, Dalrymple GB, Greene HG. 2002. Seamounts at the continental margin of California: A different kind of oceanic intraplate volcanism. *Geological Society of America Bulletin* 114(3):316-333. doi:10.1130/0016-7606(2002)114<0316:SATCMO>2.0.CO;2
- Davis AS, Clague DA, Paduan JB. 2007. Diverse origins of xenoliths from seamounts at the continental margin, offshore central California. *Journal of Petrology* 48(5):829-852. doi:10.1093/petrology/egm003
- Davis RE, Moyer CL. 2008. Extreme spatial and temporal variability of hydrothermal microbial mat communities along the Mariana Island Arc and southern Mariana back-arc system. *Journal of Geophysical Research-Solid Earth* 113(B8):B08S15. doi:10.1029/2007jb005413
- Davis RE, Stakes DS, Wheat CG, Moyer CL. 2009. Bacterial Variability within an Iron-Silica-Manganese-rich Hydrothermal Mound Located Off-axis at the Cleft Segment, Juan de Fuca Ridge. *Geomicrobiology Journal* 26(8):570-580. doi:10.1080/01490450902889080
- De Beukelaer SM, MacDonald IR, Guinasso NL, Murray JA. 2003. Distinct side-scan sonar, RADARSAT SAR, and acoustic profiler signatures of gas and oil seeps on the Gulf of Mexico slope. *Geo-Marine Letters* 23(3-4):177-186. doi:10.1007/s00367-003-0139-9
- De Leo FC, Drazen JC, Vetter EW, Rowden AA, Smith CR. 2012. The effects of submarine canyons and the oxygen minimum zone on deep-sea fish assemblages off Hawaii. *Deep Sea Research Part I: Oceanographic Research Papers* 64:54-70. doi:10.1016/j.dsr.2012.01.014
- De Leo FC, Smith CR, Rowden AA, Bowden DA, Clark MR. 2010. Submarine canyons: hotspots of benthic biomass and productivity in the deep sea. *Proceedings of the Royal Society B-Biological Sciences* 277(1695):2783-2792. doi:10.1098/rspb.2010.0462
- de Ronde CEJ, Massoth GJ, Butterfield DA, Christenson BW, Ishibashi J, Ditchburn RG, Hannington MD, Brathwaite RL, Lupton JE, Kamenetsky VS et al. . 2011. Submarine hydrothermal activity and gold-rich mineralization at Brothers Volcano, Kermadec Arc, New Zealand. *Mineralium Deposita* 46(5-6):541-584. doi:10.1007/s00126-011-0345-8
- Delacour A, Fruh-Green GL, Bernasconi SM, Kelley DS. 2008. Sulfur in peridotites and gabbros at Lost City (30 degrees N, MAR): Implications for hydrothermal alteration and microbial activity during serpentinization. *Geochimica et Cosmochimica Acta* 72(20):5090-5110. doi:10.1016/j.gca.2008.07.017
- Delacour A, Fruh-Green GL, Bernasconi SM, Schaeffer P, Kelley DS. 2008. Carbon geochemistry of serpentinites in the Lost City hydrothermal system (30 degrees N, MAR). *Geochimica et Cosmochimica Acta* 72(15):3681-3702. doi:10.1016/j.gca.2008.04.039

- Delacour A, Fruh-Green GL, Frank M, Gutjahr M, Kelley DS. 2008. Sr- and Nd-isotope geochemistry of the Atlantis Massif (30 degrees N, MAR): Implications for fluid fluxes and lithospheric heterogeneity. *Chemical Geology* 254(1-2):19-35. doi:10.1016/j.chemgeo.2008.05.018
- Delgado JP. 2006. Archaeological Reconnaissance of the 1865 American-Built Sub Marine Explorer at Isla San Telmo, Archipiélago de las Perlas, Panama. *International Journal of Nautical Archaeology* 35(2):230-252. doi:10.1111/j.1095-9270.2006.00100.x
- Deschamps A, Tivey M, Embley RW, Chadwick WW. 2007. Quantitative study of the deformation at Southern Explorer Ridge using high-resolution bathymetric data. *Earth and Planetary Science Letters* 259(1-2):1-17. doi:10.1016/j.epsl.2007.04.007
- Diaz M. Mangrove and coral reef sponge faunas: untold stories about shallow water Porifera in the Caribbean. *Hydrobiologia*: In Press. doi:10.1007/s10750-011-0952-5
- Domokos R, Seki MP, Polovina JJ, Hawn DR. 2007. Oceanographic investigation of the American Samoa albacore (*Thunnus alalunga*) habitat and longline fishing grounds. *Fisheries Oceanography* 16(6):555-572. doi:10.1111/j.1365-2419.2007.00451.x
- Duperron S, Sibuet M, MacGregor BJ, Kuypers MMM, Fisher CR, Dubilier N. 2007. Diversity, relative abundance and metabolic potential of bacterial endosymbionts in three *Bathymodiolus* mussel species from cold seeps in the Gulf of Mexico. *Environmental Microbiology* 9(6):1423-1438. doi:10.1111/j.1462-2920.2007.01259.x
- Dyment J, Lin J, Baker ET. 2007. RIDGE-HOTSPOT INTERACTIONS What Mid-Ocean Ridges Tell Us About Deep Earth Processes. *Oceanography* 20(1):102-115.
- Dziak RP, Hammond SR, Fox C. 2011. A 20-year hydroacoustic time series of seismic and volcanic events in the Northeast Pacific Ocean. *Oceanography* 24(3):280-293. doi:10.5670/oceanog.2011.79
- Dziak RP, Haxel JH, Matsumoto H, Lau TK, Merle SG, de Ronde CEJ, Embley RW, Mellinger DK. 2008. Observations of regional seismicity and local harmonic tremor at Brothers volcano, south Kermadec arc, using an ocean bottom hydrophone array. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s04. doi:10.1029/2007jb005533
- Dziak RP, Park M, Lee WS, Matsumoto H, Bohnenstiehl DR, Haxel JH. 2010. Tectonomagmatic activity and ice dynamics in the Bransfield Strait back-arc basin, Antarctica. *Journal of Geophysical Research-Solid Earth* 115:B01102. doi:10.1029/2009jb006295

Dziak RP, Park M, Matsumoto H, Byun SK. 2005. Hydroacoustic records and a numerical model of the source mechanism from the first historical eruption of Anatahan Volcano, Mariana Islands. *Journal of Volcanology and Geothermal Research* 146(1-3):86-101.

doi:10.1016/j.jvolgeores.2004.12.009

Ebert DA, Davis CD. 2007. Descriptions of skate egg cases (Chondrichthyes : Rajiformes : Rajoidei) from the eastern North Pacific. *Zootaxa*(1393):1-18.

Eckelbarger KJ, Watling L, Fournier H. 2005. Reproductive biology of the deep-sea polychaete *Gorgoniapolynoe caeciliae* (Polynoidae), a commensal species associated with octocorals. *Journal of the Marine Biological Association of the United Kingdom* 85(6):1425-1433.

doi:10.1017/s0025315405012609

Embley RW, Baker ET, Butterfield DA, Chadwick WW, Lupton JE, Resing JA, De Ronde CEJ, Nakamura KI, Tunncliffe V, Dower JF et al. . 2007. Exploring the Submarine Ring of Fire Mariana Arc - Western Pacific. *Oceanography* 20(4):68-79.

Embley RW, Chadwick WW, Baker ET, Butterfield DA, Resing JA, De Ronde CEJ, Tunncliffe V, Lupton JE, Juniper SK, Rubin KH et al. . 2006. Long-term eruptive activity at a submarine arc volcano. *Nature* 441(7092):494-497. doi:10.1038/nature04762

Embley RW, de Ronde CEJ, Ishibashi J. 2008. Introduction to special section on Active Magmatic, Tectonic, and Hydrothermal Processes at Intraoceanic Arc Submarine Volcanoes. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s01. doi:10.1029/2008jb005871

Etnoyer P. 2005. Seamount resolution in satellite-derived bathymetry. *Geochemistry Geophysics Geosystems* 6:Q03004. doi:10.1029/2004gc000833

Etnoyer P, Warrenchuk J. 2007. A catshark nursery in a deep gorgonian field in the Mississippi Canyon, Gulf of Mexico. *Bulletin of Marine Science* 81(3):553-559.

Etnoyer PJ. 2008. A new species of *Isidella* bamboo coral (Octocorallia: Alcyonacea: Isididae) from northeast Pacific seamounts. *Proceedings of the Biological Society of Washington* 121(4):541-553. doi:10.2988/08-16.1

Eustice RM, Singh H, Whitcomb LL. 2011. Synchronous-Clock, One-Way-Travel-Time Acoustic Navigation for Underwater Vehicles. *Journal of Field Robotics* 28(1):121-136. doi:10.1002/rob.20365

Evans B, Smith J, Miller J. 2004. Collaborative nautical charting and scientific seabed mapping. *Sea Technology* 45(6):14-+.

- Eytan RI, Hayes M, Arbour-Reily P, Miller M, Hellberg ME. 2009. Nuclear sequences reveal mid-range isolation of an imperilled deep-water coral population. *Molecular Ecology* 18(11):2375-2389. doi:10.1111/j.1365-294X.2009.04202.x
- Fautin D, Dalton P, Incze LS, Leong JAC, Pautzke C, Rosenberg A, Sandifer P, Sedberry G, Tunnell JW, Abbott I et al. . 2010. An Overview of Marine Biodiversity in United States Waters. *Plos One* 5(8):e11914. doi:10.1371/journal.pone.0011914
- Felley JD, Vecchione M, Wilson RR. 2008. Small-scale distribution of deep-sea demersal nekton and other megafauna in the Charlie-Gibbs Fracture Zone of the Mid-Atlantic Ridge. *Deep-Sea Research Part II-Topical Studies in Oceanography* 55(1-2):153-160. doi:10.1016/j.dsr2.2007.09.021
- Feng D, Roberts HH. 2010. Initial results of comparing cold-seep carbonates from mussel- and tubeworm-associated environments at Atwater Valley lease block 340, northern Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):2030-2039. doi:10.1016/j.dsr2.2010.05.004
- Fernholm B, Quattrini A. 2008. A new species of hagfish (Myxinidae : Eptatretus) associated with deep-sea coral habitat in the Western North Atlantic. *Copeia*(1):126-132. doi:10.1643/ci-07-039
- Filer KR, Sedberry GR. 2008. Age, growth and reproduction of the barrelfish *Hyperoglyphe perciformis* (Mitchill) in the western North Atlantic. *Journal of Fish Biology* 72(4):861-882. doi:10.1111/j.1095-8649.2007.01761.x
- Fiore CL, Jarett JK, Olson ND, Lesser MP. 2010. Nitrogen fixation and nitrogen transformations in marine symbioses. *Trends in Microbiology* 18(10):455-463. doi:10.1016/j.tim.2010.07.001
- Fiore CL, Jutte PC. 2010. Characterization of macrofaunal assemblages associated with sponges and tunicates collected off the southeastern United States. *Invertebrate Biology* 129(2):105-120. doi:10.1111/j.1744-7410.2010.00184.x
- Fisher C, Roberts H, Cordes E, Bernard B. 2007. Cold Seeps and Associated Communities of the Gulf of Mexico. *Oceanography* 20(4):118-129.
- Foley B. 2008. Greek Deepwater Survey. *American Journal of Archaeology* 112(2). doi:10.3764/aja.112.2.307
- Forrest AL, Laval BE, Lim DSS, Williams DR, Trembanis AC, Marinova MM, Shepard R, Brady AL, Slater GF, Gernhardt ML et al. . 2010. Performance evaluation of underwater platforms in the

context of space exploration. *Planetary and Space Science* 58(4):706-716.  
doi:10.1016/j.pss.2009.08.007

France SC. 2007. Genetic analysis of bamboo corals (Cnidaria : Octocorallia : Isididae): Does lack of colony branching distinguish *Lepidisis* from *Keratoisis*? *Bulletin of Marine Science* 81(3):323-333.

Fraser SB, Sedberry GR. 2008. Reef morphology and invertebrate distribution at continental shelf edge reefs in the South Atlantic Bight. *Southeastern Naturalist* 7(2):191-206.

Friess C, Sedberry GR. 2011. Age, growth, and spawning season of red bream (*Beryx decadactylus*) off the southeastern United States. *Fishery Bulletin* 109(1):20-33.

Fusaro AJ, Baco AR, Gerlach G, Shank TM. 2008. Development and characterization of 12 microsatellite markers from the deep-sea hydrothermal vent siboglinid *Riftia pachyptila*. *Molecular Ecology Resources* 8(1):132-134. doi:10.1111/j.1471-8286.2007.01897.x

Gartner JV, Sulak KJ, Ross SW, Necaie AM. 2008. Persistent near-bottom aggregations of mesopelagic animals along the North Carolina and Virginia continental slopes. *Marine Biology* 153(5):825-841. doi:10.1007/s00227-007-0855-1

German CR, Bennett SA, Connelly DP, Evans AJ, Murton BJ, Parson LM, Prien RD, Ramirez-Llodra E, Jakuba M, Shank TM et al. . 2008. Hydrothermal activity on the southern Mid-Atlantic Ridge: Tectonically- and volcanically-controlled venting at 4-5 degrees S. *Earth and Planetary Science Letters* 273(3-4):332-344. doi:10.1016/j.epsl.2008.06.048

Gomez-Gutierrez J, Peterson WT, De Robertis A, Brodeur RD. 2003. Mass mortality of krill caused by parasitoid ciliates. *Science* 301(5631):339-339. doi:10.1126/science.1085164

Goslin J, Lourenco N, Dziak RP, Bohnenstiehl DR, Haxel J, Luis J. 2005. Long-term seismicity of the Reykjanes Ridge (North Atlantic) recorded by a regional hydrophone array. *Geophysical Journal International* 162(2):516-524. doi:10.1111/j.1365-246X.2005.02678.x

Govoni JJ, Hare JA, Davenport ED, Chen MH, Marancik KE. 2010. Mesoscale, cyclonic eddies as larval fish habitat along the southeast United States shelf: a Lagrangian description of the zooplankton community. *ICES Journal of Marine Science* 67(3):403-411.  
doi:10.1093/icesjms/fsp269

Gradinger R, Bluhm B. 2005. Arctic ocean exploration 2002. *Polar Biology* 28(3):169-170.  
doi:10.1007/s00300-004-0711-4

- Gradinger R, Bluhm B, Iken K. 2010. Arctic sea-ice ridges-Safe heavens for sea-ice fauna during periods of extreme ice melt? *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):86-95. doi:10.1016/j.dsr2.2009.08.008
- Gradinger R, Meiners K, Plumley G, Zhang Q, Bluhm BA. 2005. Abundance and composition of the sea-ice meiofauna in off-shore pack ice of the Beaufort Gyre in summer 2002 and 2003. *Polar Biology* 28(3):171-181. doi:10.1007/s00300-004-0674-5
- Gradinger RR, Bluhm BA. 2004. In-situ observations on the distribution and behavior of amphipods and Arctic cod (*Boreogadus saida*) under the sea ice of the High Arctic Canada Basin. *Polar Biology* 27(10):595-603. doi:10.1007/s00300-004-0630-4
- Graff JR, Blake JA, Wishner KF. 2008. A new species of *Malacoceros* (Polychaeta : Spionidae) from Kick'em Jenny, a hydrothermally active submarine volcano in the Lesser Antilles Arc. *Journal of the Marine Biological Association of the United Kingdom* 88(5):925-930. doi:10.1017/s0025315408001884
- Gregg MC, Horne JK. 2009. Turbulence, Acoustic Backscatter, and Pelagic Nekton in Monterey Bay. *Journal of Physical Oceanography* 39(5):1097-1114. doi:10.1175/2008jpo4033.1
- Guilderson TP, Roark EB, Quay PD, Page SRF, Moy C. 2006. Seawater radiocarbon evolution in the Gulf of Alaska: 2002 observations. *Radiocarbon* 48(1):1-15.
- Guilini K, Levin LA, Vanreusel A. Cold seep and Oxygen Minimum Zone associated sources of margin heterogeneity affect benthic assemblages, diversity and nutrition at the Cascadian margin (NE Pacific Ocean). *Progress in Oceanography*: In Press. doi:10.1016/j.pocean.2011.10.003
- Gusick AE. 2010. Baja California in Context. *Journal of California and Great Basin Anthropology* 30(1):1-4.
- Gusick AE. 2010. Exploring Baja California's Submerged Landscapes. *Journal of California and Great Basin Anthropology* 30(1):35-50.
- Hall A. 2008. Looking over the Archaeologists' Shoulders: Web-based Public Outreach in the Deep Wrecks Project. *International Journal of Historical Archaeology* 12(2):146-156. doi:10.1007/s10761-008-0046-x
- Hammond S, McDonough J, Russell C. 2010. The NOAA Ship Okeanos Explorer: New Ways For Exploring the Ocean. *Oceanography* 23(1):88-89. doi:10.5670/oceanog.2010.89
- Hammond SR, McLean C. 2007. Embracing Ocean Exploration. *Oceanography* 20(4):5-5. doi:10.5670/oceanog.2007.17



- Harasewych MG, Sedberry GR. 2006. Rediscovery, range extension, and redescription of *Calliostoma torrei* Clench and Aguayo, 1940 (Gastropoda : Vetigastropoda : Calliostomatidae). *Nautilus* 120(2):39-44.
- Harwood LA, McLaughlin F, Allen RM, Illasiak J, Alikamik J. 2005. First-ever marine mammal and bird observations in the deep Canada Basin and Beaufort/Chukchi seas: expeditions during 2002. *Polar Biology* 28(3):250-253. doi:10.1007/s00300-004-0691-4
- Haymon RM, Baker ET, Resing JA, White SM, MacDonald KC, Ga IT. 2007. Hunting for Hydrothermal Vents Along the Galapagos Spreading Center. *Oceanography* 20(4):100-107.
- Haymon RM, White SM, Baker ET, Anderson PG, Macdonald KC, Resing JA. 2008. High-resolution surveys along the hot spot-affected Galapagos Spreading Center: 3. Black smoker discoveries and the implications for geological controls on hydrothermal activity. *Geochemistry Geophysics Geosystems* 9:Q12006. doi:10.1029/2008gc002114
- Henry LA, Nizinski MS, Ross SW. 2008. Occurrence and biogeography of hydroids (Cnidaria : Hydrozoa) from deep-water coral habitats off the southeastern United States. *Deep-Sea Research Part I-Oceanographic Research Papers* 55(6):788-800. doi:10.1016/j.dsr.2008.03.002
- Herrera S, Baco A, Sanchez JA. 2010. Molecular systematics of the bubblegum coral genera (Paragorgiidae, Octocorallia) and description of a new deep-sea species. *Molecular Phylogenetics and Evolution* 55(1):123-135. doi:10.1016/j.ympev.2009.12.007
- Hilario A, Young CM, Tyler PA. 2005. Sperm storage, internal fertilization, and embryonic dispersal in vent and seep tubeworms (Polychaeta : Siboglinidae : Vestimentifera). *Biological Bulletin* 208(1):20-28.
- Hill JC, Gayes P, Driscoll NW, Johnstone EA, Sedberry GR. 2008. Iceberg scours along the southern US Atlantic margin. *Geology* 36(6):447-450. doi:10.1130/g24651a.1
- Hill TM, Spero HJ, Guilderson T, LaVigne M, Clague D, Macalello S, Jang N. 2011. Temperature and vital effect controls on bamboo coral (Isididae) isotope geochemistry: A test of the "lines method". *Geochemistry Geophysics Geosystems* 12(Q04008). doi:10.1029/2010gc003443
- Hinderstein LM, Marr JCA, Martinez FA, Dowgiallo MJ, Puglise KA, Pyle RL, Zawada DG, Appeldoorn R. 2010. Theme section on "Mesophotic Coral Ecosystems: Characterization, Ecology, and Management". *Coral Reefs* 29(2):247-251. doi:10.1007/s00338-010-0614-5
- Holland ND, Clague DA, Gordon DP, Gebruk A, Pawson DL, Vecchione M. 2005. Lophenteropneust' hypothesis refuted by collection and photos of new deep-sea hemichordates. *Nature* 434(7031):374-376. doi:10.1038/nature03382

- Hopcroft RR, Clarke C, Nelson RJ, Raskoff KA. 2005. Zooplankton communities of the Arctic's Canada Basin: the contribution by smaller taxa. *Polar Biology* 28(3):198-206. doi:10.1007/s00300-004-0680-7
- Hopcroft RR, Kosobokova KN. 2010. Distribution and egg production of *Pseudocalanus* species in the Chukchi Sea. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):49-56. doi:10.1016/j.dsr2.2009.08.004
- Hopcroft RR, Kosobokova KN, Pinchuk AI. 2010. Zooplankton community patterns in the Chukchi Sea during summer 2004. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):27-39. doi:10.1016/j.dsr2.2009.08.003
- Hornbach MJ, Lavier LL, Ruppel CD. 2007. Triggering mechanism and tsunamogenic potential of the Cape Fear Slide complex, US Atlantic margin. *Geochemistry Geophysics Geosystems* 8(Q12008). doi:10.1029/2007gc001722
- Hornbach MJ, Ruppel C, Saffer DM, Van Dover CL, Holbrook WS. 2005. Coupled geophysical constraints on heat flow and fluid flux at a salt diapir. *Geophysical Research Letters* 32(24):L24617. doi:10.1029/2005gl024862
- Hornbach MJ, Ruppel C, Van Dover CL. 2007. Three-dimensional structure of fluid conduits sustaining an active deep marine cold seep. *Geophysical Research Letters* 34(5):L05601. doi:10.1029/2006gl028859
- Howell EA, Hawn DR, Polovina JJ. 2010. Spatiotemporal variability in bigeye tuna (*Thunnus obesus*) dive behavior in the central North Pacific Ocean. *Progress in Oceanography* 56(1-2):81-93. doi:10.1016/j.pocean.2010.04.013
- Hunt ME, Modi CK, Aglyamova GV, Ravikant DVS, Meyer E, Matz MV. 2012. Multi-domain GFP-like proteins from two species of marine hydrozoans. *Photochemical & Photobiological Sciences*: In Press. doi:10.1039/C1PP05238A
- Hunt ME, Scherrer MP, Ferrari FD, Matz MV. 2010. Very Bright Green Fluorescent Proteins from the Pontellid Copepod *Pontella mimocerami*. *Plos One* 5(7):e11517. doi:10.1371/journal.pone.0011517
- Iken K, Bluhm B, Dunton K. 2010. Benthic food-web structure under differing water mass properties in the southern Chukchi Sea. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):71-85. doi:10.1016/j.dsr2.2009.08.007

- Iken K, Bluhm BA, Gradinger RR. 2005. Food web structure in the high Arctic Canada Basin: evidence from delta C-13 and delta N-15 analysis. *Polar Biology* 28(3):238-249. doi:10.1007/s00300-004-0669-2
- Iliffe TM, Kvitek R, Blasco S, Blasco K, Covill R. 2011. Search for Bermuda's deep water caves. *Hydrobiologia* 677(1):157-168. doi:10.1007/s10750-011-0883-1
- Irion J, Ball D, Horrell C. 2008. The US Government's Role in Deepwater Archaeology: The Deep Gulf Wrecks Project. *International Journal of Historical Archaeology* 12(2):75-81. doi:10.1007/s10761-008-0043-0
- Jakobsson M, Gardner JV, Vogt PR, Mayer LA, Armstrong A, Backman J, Brennan R, Calder B, Hall JK, Kraft B. 2005. Multibeam bathymetric and sediment profiler evidence for ice grounding on the Chukchi Borderland, Arctic Ocean. *Quaternary Research* 63(2):150-160. doi:10.1016/j.yqres.2004.12.004
- Jarnegren J, Rapp HT, Young CM. 2007. Similar reproductive cycles and life-history traits in congeneric limid bivalves with different modes of nutrition. *Marine Ecology-an Evolutionary Perspective* 28(1):183-192. doi:10.1111/j.1439-0485.2006.00134.x
- Jarnegren J, Schander C, Sneli JA, Ronningen V, Young CM. 2007. Four genes, morphology and ecology: distinguishing a new species of *Acesta* (Mollusca; Bivalvia) from the Gulf of Mexico. *Marine Biology* 152(1):43-55. doi:10.1007/s00227-007-0651-y
- Jarnegren J, Tobias CR, Macko SA, Young CM. 2005. Egg predation fuels unique species association at deep-sea hydrocarbon seeps. *Biological Bulletin* 209(2):87-93.
- Jennings RM, Bucklin A, Ossenbrugger H, Hopcroft RR. 2010. Species diversity of planktonic gastropods (Pteropoda and Heteropoda) from six ocean regions based on DNA barcode analysis. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2199-2210. doi:10.1016/j.dsr2.2010.09.022
- Jennings RM, Bucklin A, Pierrot-Bults A. 2010. Barcoding of Arrow Worms (Phylum Chaetognatha) from Three Oceans: Genetic Diversity and Evolution within an Enigmatic Phylum. *Plos One* 5(3):e9949. doi:10.1371/journal.pone.0009949
- Johnsen S. 2005. The red and the black: Bioluminescence and the color of animals in the deep sea. *Integrative and Comparative Biology* 45(2):234-246. doi:10.1093/icb/45.2.234
- Johnsen S. 2005. Visual ecology on the high seas. *Marine Ecology-Progress Series* 287:281-285.
- Johnsen S. 2007. Does new technology inspire new directions? Examples drawn from pelagic visual ecology. *Integrative and Comparative Biology* 47(6):799-807. doi:10.1093/icb/icm017

- Johnsen S, Marshall NJ, Widder EA. 2011. Polarization sensitivity as a contrast enhancer in pelagic predators: lessons from in situ polarization imaging of transparent zooplankton. *Philosophical Transactions of the Royal Society B-Biological Sciences* 366(1565):655-670. doi:10.1098/rstb.2010.0193
- Johnson DL, Carr JD, Wilson BM, Murphy LE, Delgado JP. 2010. Corrosion of Civil War Era Sub Marine Explorer-Part 1. *Materials Performance* 49(9):56-60.
- Johnson DL, Carr JD, Wilson BM, Murphy LE, Delgado JP. 2010. Corrosion of Civil War Era Sub Marine Explorer-Part 2. *Materials Performance* 48(10):50-53.
- Johnson DL, Medlin DJ, Murphy LE, Carr JD, Conlin DL. 2011. Corrosion Rate Trajectories of Concreted Iron and Steel Shipwrecks and Structures in Seawater-The Weins Number. *Corrosion* 67(12):125005. doi:10.5006/1.3666859
- Jones AT, Greinert J, Bowden DA, Klauke I, Petersen CJ, Netzeband GL, Weinrebe W. 2010. Acoustic and visual characterisation of methane-rich seabed seeps at Omakere Ridge on the Hikurangi Margin, New Zealand. *Marine Geology* 272(1-4):154-169. doi:10.1016/j.margeo.2009.03.008
- Jones B, de Ronde CEJ, Renaut RW. 2008. Mineralized microbes from Giggenbach submarine volcano. *Journal of Geophysical Research-Solid Earth* 113(B8):B08S05. doi:10.1029/2007jb005482
- Josephson E, Smith TD, Reeves RR. 2008. Historical distribution of right whales in the North Pacific. *Fish and Fisheries* 9(2):155-168. doi:10.1111/j.1467-2979.2008.00275.x
- Joye SB, Boetius A, Orcutt BN, Montoya JP, Schulz HN, Erickson MJ, Lugo SK. 2004. The anaerobic oxidation of methane and sulfate reduction in sediments from Gulf of Mexico cold seeps. *Chemical Geology* 205(3-4):219-238. doi:10.1016/j.chemgeo.2003.12.019
- Joye SB, Bowles MW, Samarkin VA, Hunter KS, Niemann H. 2010. Biogeochemical signatures and microbial activity of different cold-seep habitats along the Gulf of Mexico deep slope. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1990-2001. doi:10.1016/j.dsr2.2010.06.001
- Joye SB, MacDonald IR, Montoya JP, Peccini M. 2005. Geophysical and geochemical signatures of Gulf of Mexico seafloor brines. *Biogeosciences* 2(3):295-309. doi:10.5194/bg-2-295-2005
- Kalanetra KM, Joye SB, Sunseri NR, Nelson DC. 2005. Novel vacuolate sulfur bacteria from the Gulf of Mexico reproduce by reductive division in three dimensions. *Environmental Microbiology* 7(9):1451-1460. doi:10.1111/j.1462-2920.2005.00832.x

- Keener-Chavis P, Goodwin M. 2009. Use of Ocean Exploration Learning Shapes (Geometric Solids) to Reinforce Student Inquiry. *Science Activities: Classroom Projects and Curriculum Ideas* 46(3):49-56. doi:10.3200/sats.46.3.49-56
- Kelley DS, Fruh-Green GL, Karson JA, Ludwig KA. 2007. The Lost City Hydrothermal Field Revisited. *Oceanography* 20(4):90-99.
- Kelley JT, Belknap DF, Claesson S. 2010. Drowned coastal deposits with associated archaeological remains from a sea-level "slowstand": Northwestern Gulf of Maine, USA. *Geology* 38(8):695-698. doi:10.1130/g31002.1
- Kellogg CA. 2010. Enumeration of viruses and prokaryotes in deep-sea sediments and cold seeps of the Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):2002-2007. doi:10.1016/j.dsr2.2010.05.006
- Kendall JJ, Ahlfeld TE, Boland GS, Irion JB, McDonough JJ. 2007. Ocean Exploration DISCOVERY AND OFFSHORE STEWARDSHIP. *Oceanography* 20(4):20-29.
- Kerstetter DW, Polovina JJ, Graves JE. 2004. Evidence of shark predation and scavenging on fishes equipped with pop-up satellite archival tags. *Fishery Bulletin* 102(4):750-756.
- Kilgallen NM. 2009. New species of lysianassoid Amphipoda (Crustacea) associated with seamounts, marine canyons and cold seeps of New Zealand. *Zootaxa*(2298):1-30.
- Kilgour MJ, Shirley TC. 2008. Bathymetric and spatial distribution of decapod crustaceans on deep-water shipwrecks in the Gulf of Mexico. *Bulletin of Marine Science* 82(3):333-344.
- Kilgour MJ, Shirley TC. 2008. Distribution of red deepsea crab (*Chaceon quinque-dens*) by size and sex in the Gulf of Mexico. *Fishery Bulletin* 106(3):317-320.
- Kilgour MJ, Shirley TC. 2008. *Eumunida picta* S. I. Smith, 1883, and *Lophelia pertusa* (Linnaeus, 1758): A relationship or just good friends? *Crustaceana* 81(5):587-593. doi:10.1163/156854008784092166
- Klaucke I, Weinrebe W, Petersen CJ, Bowden D. 2010. Temporal variability of gas seeps offshore New Zealand: Multi-frequency geoacoustic imaging of the Wairarapa area, Hikurangi margin. *Marine Geology* 272(1-4):49-58. doi:10.1016/j.margeo.2009.02.009
- Kniemeyer O, Musat F, Sievert SM, Knittel K, Wilkes H, Blumenberg M, Michaelis W, Classen A, Bolm C, Joye SB et al. . 2007. Anaerobic oxidation of short-chain hydrocarbons by marine sulphate-reducing bacteria. *Nature* 449(7164):898-U10. doi:10.1038/nature06200

- Komai T, Shank TM, Van Dover CL. 2005. A new species of *Alvinocaris* (Crustacea : Decapoda : Caridea : Alvinocarididae) and a new record of *A. muricola* from methane seeps on the Blake Ridge Diapir, Northwestern Atlantic. *Zootaxa*(1019):27-42.
- Kosobokova KN, Hirche HJ, Hopcroft RR. 2007. Reproductive biology of deep-water calanoid copepods from the Arctic Ocean. *Marine Biology* 151(3):919-934. doi:10.1007/s00227-006-0528-5
- Kosobokova KN, Hopcroft RR. 2010. Diversity and vertical distribution of mesozooplankton in the Arctic's Canada Basin. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):96-110. doi:10.1016/j.dsr2.2009.08.009
- Kosobokova KN, Hopcroft RR, Hirche HJ. 2011. Patterns of zooplankton diversity through the depths of the Arctic's central basins. *Marine Biodiversity* 41(1):29-50. doi:10.1007/s12526-010-0057-9
- Krueger M, Wolters H, Gehre M, Joye SB, Richnow HH. 2008. Tracing the slow growth of anaerobic methane-oxidizing communities by N-15-labelling techniques. *FEMS Microbiology Ecology* 63(3):401-411. doi:10.1111/j.1574-6941.2007.00431.x
- Kvist S, Dreyer J, Erseus C. 2008. Two new species of *Tubificoides* (Annelida: Clitellata: Naididae) from the Blake Ridge methane seep in the northwest Atlantic Ocean. *Proceedings of the Biological Society of Washington* 121(4):531-540. doi:10.2988/08-14.1
- Lagerquist BA, Mate BR, Ortega-Ortiz JG, Winsor M, Urban-Ramirez J. 2008. Migratory movements and surfacing rates of humpback whales (*Megaptera novaeangliae*) satellite tagged at Socorro Island, Mexico. *Marine Mammal Science* 24(4):815-830. doi:10.1111/j.1748-7692.2008.00217.x
- Laidre KL, Heide-Jorgensen MP. 2007. Using Narwhals as Ocean-Observing Platforms in the High Arctic. *Oceanography* 20(4):30-35.
- Laidre KL, Heide-Jorgensen MP, Ermold W, Steele M. 2010. Narwhals document continued warming of southern Baffin Bay. *Journal of Geophysical Research-Oceans* 115(C10049). doi:10.1029/2009jc005820
- Lanier A, Romsos C, Goldfinger C. 2007. Seafloor habitat mapping on the Oregon continental margin: A spatially nested GIS approach to mapping scale, mapping methods, and accuracy quantification. *Marine Geodesy* 30(1-2):51-76. doi:10.1080/01490410701296143

- Lavelle JW, Massoth GJ, Baker ET, de Ronde CEJ. 2008. Ocean current and temperature time series at Brothers volcano. *Journal of Geophysical Research-Oceans* 113(C9):C09018. doi:10.1029/2007jc004713
- Lavelle JW, Mohn C. 2010. Motion, Commotion, and Biophysical Connections at Deep Ocean Seamounts. *Oceanography* 23(1):90-103.
- Lee SH, Jin MB, Whitledge TE. 2010. Comparison of bottom sea-ice algal characteristics from coastal and offshore regions in the Arctic Ocean. *Polar Biology* 33(10):1331-1337. doi:10.1007/s00300-010-0820-1
- Lee SH, Kim HJ, Whitledge TE. 2009. High incorporation of carbon into proteins by the phytoplankton of the Bering Strait and Chukchi Sea. *Continental Shelf Research* 29(14):1689-1696. doi:10.1016/j.csr.2009.05.012
- Lee SH, Stockwell D, Whitledge TE. 2010. Uptake rates of dissolved inorganic carbon and nitrogen by under-ice phytoplankton in the Canada Basin in summer 2005. *Polar Biology* 33(8):1027-1036. doi:10.1007/s00300-010-0781-4
- Lee SH, Whitledge TE, Kang SH. 2008. Carbon uptake rates of sea ice algae and phytoplankton under different light intensities in a landfast sea ice zone, Barrow, Alaska. *Arctic* 61(3):281-291.
- Lee SH, Whitledge TE, Kang SH. 2008. Spring time production of bottom ice algae in the landfast sea ice zone at Barrow, Alaska. *Journal of Experimental Marine Biology and Ecology* 367(2):204-212. doi:10.1016/j.jembe.2008.09.018
- Lee SH, Whitledge TR. 2005. Primary and new production in the deep Canada Basin during summer 2002. *Polar Biology* 28(3):190-197. doi:10.1007/s00300-004-0676-3
- Lessard-Pilon S, Porter MD, Cordes EE, MacDonald I, Fisher CR. 2010. Community composition and temporal change at deep Gulf of Mexico cold seeps. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1891-1903. doi:10.1016/j.dsr2.2010.05.012
- Lessard-Pilon SA, Podowski EL, Cordes EE, Fisher CR. 2010. Megafauna community composition associated with *Lophelia pertusa* colonies in the Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1882-1890. doi:10.1016/j.dsr2.2010.05.013
- Lesser MP. 2004. Experimental biology of coral reef ecosystems. *Journal of Experimental Marine Biology and Ecology* 300(1-2):217-252. doi:10.1016/j.jembe.2003.12.027
- Lesser MP. 2006. Benthic-pelagic coupling on coral reefs: Feeding and growth of Caribbean sponges. *Journal of Experimental Marine Biology and Ecology* 328(2):277-288. doi:10.1016/j.jembe.2005.07.010

- Lesser MP, Slattery M. 2011. Phase shift to algal dominated communities at mesophotic depths associated with lionfish (*Pterois volitans*) invasion on a Bahamian coral reef. *Biological Invasions* 13(8):1855-1868. doi:10.1007/s10530-011-0005-z
- Lesser MP, Slattery M, Leichter JJ. 2009. Ecology of mesophotic coral reefs. *Journal of Experimental Marine Biology and Ecology* 375(1-2):1-8. doi:10.1016/j.jembe.2009.05.009
- Lesser MP, Slattery M, Stat M, Ojimi M, Gates RD, Grottoli A. 2010. Photoacclimatization by the coral *Montastraea cavernosa* in the mesophotic zone: light, food, and genetics. *Ecology* 91(4):990-1003. doi:10.1890/09-0313.1
- Leveille RJ, Juniper SK. 2002. Microbial colonization and weathering of sulphide minerals at deep-sea hydrothermal vents: in situ exposure experiments. *Cahiers De Biologie Marine* 43(3-4):285-288.
- Levin LA, Dayton PK. 2009. Ecological theory and continental margins: where shallow meets deep. *Trends in Ecology & Evolution* 24(11):606-617. doi:10.1016/j.tree.2009.04.012
- Levin LA, Mendoza GF, Gonzalez JP, Thurber AR, Cordes EE. 2010. Diversity of bathyal macrofauna on the northeastern Pacific margin: the influence of methane seeps and oxygen minimum zones. *Marine Ecology-an Evolutionary Perspective* 31(1):94-110. doi:10.1111/j.1439-0485.2009.00335.x
- Limen H, Juniper SK. 2006. Habitat controls on vent food webs at Eifuku Volcano, Mariana Arc. *Cahiers De Biologie Marine* 47(4):449-455.
- Limen H, Juniper SK, Tunnicliffe V, Clement M. 2006. Benthic community structure on two peaks of an erupting seamount: Northwest Rota-1 Volcano, Mariana Arc, Western Pacific. *Cahiers De Biologie Marine* 47(4):457-463.
- Lindsay DJ, Miyake H. 2007. A novel benthopelagic ctenophore from 7,217 m depth in the Ryukyu Trench, Japan, with notes on the taxonomy of deepsea cydippids. *Plankton and Benthos Research* 2(2):98-102. doi:10.3800/pbr.2.98
- Logan CR, Evans MB, Ward ME, Scott JL, Carnegie RB, Van Dover CL. 2008. Comparative ultrastructure of digestive diverticulae in Bathymodiolin mussels: Discovery of an unknown spherical inclusion (SIX) in digestive cells of a seep mussel. *Journal of Shellfish Research* 27(1):97-105. doi:10.2983/0730-8000(2008)27[97:CUODDI]2.0.CO;2
- Ludwig KA, Shen CC, Kelley DS, Cheng H, Edwards RL. 2011. U-Th systematics and Th-230 ages of carbonate chimneys at the Lost City Hydrothermal Field. *Geochimica et Cosmochimica Acta* 75(7):1869-1888. doi:10.1016/j.gca.2011.01.008



- Lundsten L, Barry JP, Cailliet GM, Clague DA, DeVogelaere AP, Geller JB. 2009. Benthic invertebrate communities on three seamounts off southern and central California, USA. *Marine Ecology-Progress Series* 374:23-32. doi:10.3354/meps07745
- Lundsten L, McClain CR, Barry JP, Cailliet GM, Clague DA, DeVogelaere AP. 2009. Ichthyofauna on three seamounts off southern and central California, USA. *Marine Ecology-Progress Series* 389:223-232. doi:10.3354/meps08181
- Lupton JE, Butterfield D, Lilley M, Evans L, Nakamura KI, Chadwick W, Resing J, Embley R, Olson E, Proskurowski G et al. . 2006. Submarine venting of liquid carbon dioxide on a Mariana Arc volcano. *Geochemistry Geophysics Geosystems* 7:Q08007. doi:10.1029/2005gc001152
- Lupton JE, Lilley M, Butterfield D, Evans L, Embley R, Massoth G, Christenson B, Nakamura K, Schmidt M. 2008. Venting of a separate CO<sub>2</sub>-rich gas phase from submarine arc volcanoes: Examples from the Mariana and Tonga-Kermadec arcs. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s12. doi:10.1029/2007jb005467
- MacDonald IR, Bender LC, Vardaro M, Bernard B, Brooks JM. 2005. Thermal and visual time-series at a seafloor gas hydrate deposit on the Gulf of Mexico slope. *Earth and Planetary Science Letters* 233(1-2):45-59. doi:10.1016/j.epsl.2005.02.002
- MacDonald IR, Bluhm BA, Iken K, Gagev S, Strong S. 2010. Benthic macrofauna and megafauna assemblages in the Arctic deep-sea Canada Basin. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):136-152. doi:10.1016/j.dsr2.2009.08.012
- MacDonald IR, Bohrmann G, Escobar E, Abegg F, Blanchon P, Blinova V, Bruckmann W, Drews M, Eisenhauer A, Han X et al. . 2004. Asphalt volcanism and chemosynthetic life in the Campeche Knolls, Gulf of Mexico. *Science* 304(5673):999-1002.
- MacDonald IR, Smith M, Huffer FW. 2010. Community structure comparisons of lower slope hydrocarbon seeps, northern Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1904-1915. doi:10.1016/j.dsr2.2010.09.002
- Mah C, Nizinski M, Lundsten L. 2010. Phylogenetic revision of the Hippasterinae (Goniasteridae; Asteroidea): systematics of deep sea corallivores, including one new genus and three new species. *Zoological Journal of the Linnean Society* 160(2):266-301. doi:10.1111/j.1096-3642.2010.00638.x
- Manley JE, Weirich JB. 2005. Deep frontiers: Technology for ocean exploration - New technologies and opportunities for science, industry and government. *Sea Technology* 46(4):10-+.

- Martin JW, Wishner K, Graff JR. 2005. Caridean and sergestid shrimp from the Kick'em Jenny submarine volcano, southeastern Caribbean sea. *Crustaceana* 78:215-221. doi:10.1163/1568540054020631
- Martinez RJ, Mills HJ, Story S, Sobecky PA. 2006. Prokaryotic diversity and metabolically active microbial populations in sediments from an active mud volcano in the Gulf of Mexico. *Environmental Microbiology* 8(10):1783-1796. doi:10.1111/j.1462-2920.2006.01063.x
- Matsumoto H, Haxel JH, Dziak RP, Bohnenstiehl DR, Embley RW. 2011. Mapping the sound field of an erupting submarine volcano using an acoustic glider. *Journal of the Acoustical Society of America* 129(3):EL94-EL99. doi:10.1121/1.3547720
- Matz MV, Frank TM, Marshall NJ, Widder EA, Johnsen S. 2008. Giant Deep-Sea Protist Produces Bilaterian-like Traces. *Current Biology* 18(23):1849-1854. doi:10.1016/j.cub.2008.10.028
- McClain CR, Lundsten L, Ream M, Barry J, DeVogelaere A. 2009. Endemicity, Biogeography, Composition, and Community Structure On a Northeast Pacific Seamount. *Plos One* 4(1):e4141. doi:10.1371/journal.pone.0004141
- McFadden CS, Benayahu Y, Pante E, Thoma JN, Nevarez PA, France SC. 2011. Limitations of mitochondrial gene barcoding in Octocorallia. *Molecular Ecology Resources* 11(1):19-31. doi:10.1111/j.1755-0998.2010.02875.x
- McFadden CS, France SC, Sanchez JA, Alderslade P. 2006. A molecular phylogenetic analysis of the Octocorallia (Cnidaria : Anthozoa) based on mitochondrial protein-coding sequences. *Molecular Phylogenetics and Evolution* 41(3):513-527. doi:10.1016/j.ympev.2006.06.010
- McLaughlin F, Shimada K, Carmack E, Itoh M, Nishino S. 2005. The hydrography of the southern Canada Basin, 2002. *Polar Biology* 28(3):182-189. doi:10.1007/s00300-004-0701-6
- McMahan JD. 2007. Management of Alaska's Submerged Resources: A Current Assessment. *Alaska Journal of Anthropology* 5(2):55-66.
- Mecklenburg CW, Stein DL, Sheiko BA, Chernova NV, Mecklenburg TA, Holladay BA. 2007. Russian - American long-term census of the arctic: benthic fishes trawled in the Chukchi Sea and Bering Strait, August 2004. *Northwestern Naturalist* 88(3):168-187. doi:10.1898/1051-1733(2007)88[168:rlcota]2.0.co;2
- Meister HS, Wyanski DM, Loefer JK, Ross SW, Quattrini AM, Sulak KJ. 2005. Further evidence for the invasion and establishment of *Pterois volitans* (Teleostei : Scorpaenidae) along the Atlantic coast of the United States. *Southeastern Naturalist* 4(2):193-206. doi:10.1656/1528-7092(2005)004[0193:feftia]2.0.co;2

- Melchert B, Devey CW, German CR, Lackschewitz KS, Seifert R, Walter M, Mertens C, Yoerger DR, Baker ET, Paulick H et al. . 2008. First evidence for high-temperature off-axis venting of deep crustal/mantle heat: The Nibelungen hydrothermal field, southern Mid-Atlantic Ridge. *Earth and Planetary Science Letters* 275(1-2):61-69. doi:10.1016/j.epsl.2008.08.010
- Mellinger DK, Nieukirk SL, Klinck K, Klinck H, Dziak RP, Clapham PJ, Brandsdottir B. 2011. Confirmation of right whales near a nineteenth-century whaling ground east of southern Greenland. *Biology Letters* 7(3):411-413. doi:10.1098/rsbl.2010.1191
- Mellinger DK, Stafford KM, Moore SE, Dziak RP, Matsumoto H. 2007. An Overview of Fixed Passive Acoustic Observation Methods for Cetaceans. *Oceanography* 20(4):36-45.
- Metaxas A. 2011. Spatial patterns of larval abundance at hydrothermal vents on seamounts: evidence for recruitment limitation. *Marine Ecology-Progress Series* 437:103-117. doi:10.3354/meps09283
- Meyer E, Aglyamova GV, Wang S, Buchanan-Carter J, Abrego D, Colbourne JK, Willis BL, Matz MV. 2009. Sequencing and de novo analysis of a coral larval transcriptome using 454 GSFlx. *Bmc Genomics* 10. doi:10.1186/1471-2164-10-219
- Meyer JD, White SM. 2007. Lava morphology mapping by expert system classification of high-resolution side-scan sonar imagery from the East Pacific Rise, 9 degrees-10 degrees N. *Marine Geophysical Researches* 28(2):81-93. doi:10.1007/s11001-007-9015-8
- Miglietta MP, Hourdez S, Cowart DA, Schaeffer SW, Fisher C. 2010. Species boundaries of Gulf of Mexico vestimentiferans (Polychaeta, Siboglinidae) inferred from mitochondrial genes. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1916-1925. doi:10.1016/j.dsr2.2010.05.007
- Mills AM, Ward ME, Heyl TP, Van Dover CL. 2005. Parasitism as a potential contributor to massive clam mortality at the Blake Ridge Diapir methane-hydrate seep. *Journal of the Marine Biological Association of the United Kingdom* 85(6):1489-1497. doi:10.1017/S0025315405012683
- Mills HJ, Hodges C, Wilson K, MacDonald IR, Sobecky PA. 2003. Microbial diversity in sediments associated with surface-breaching gas hydrate mounds in the Gulf of Mexico. *Fems Microbiology Ecology* 46(1):39-52. doi:10.1016/s0168-6496(03)00191-0
- Mills HJ, Martinez RJ, Story S, Sobecky PA. 2004. Identification of members of the metabolically active microbial populations associated with *Beggiatoa* species mat communities from Gulf of Mexico cold-seep sediments. *Applied and Environmental Microbiology* 70(9):5447-5458. doi:10.1128/AEM.70.9.5447-5458.2004

- Mills HJ, Martinez RJ, Story S, Sobecky PA. 2005. Characterization of microbial community structure in Gulf of Mexico gas hydrates: Comparative analysis of DNA- and RNA-derived clone libraries. *Applied and Environmental Microbiology* 71(6):3235-3247. doi:10.1128/aem.71.6.3235-3247.2005
- Miyamoto H, Machida RJ, Nishida S. 2010. Genetic diversity and cryptic speciation of the deep sea chaetognath *Caecosagitta macrocephala* (Fowler, 1904). *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2211-2219. doi:10.1016/j.dsr2.2010.09.023
- Moore J, Auster PJ, Calini D, Heinonen K, Barber K, Hecker B. 2008. The false boarfish *Neocyttus helgae* in the western North Atlantic. *Bulletin of the Peabody Museum of Natural History* 49(1):31-41. doi:10.3374/0079-032X(2008)49[31:FBNHIT]2.0.CO;2
- Moore JA, Auster PJ. 2009. Commensalism Between Juvenile Cusk Eels and Pancake Urchins on Western North Atlantic Seamounts. *Bulletin of the Peabody Museum of Natural History* 50(2):381-386. doi:10.3374/014.050.0205
- Moore SE, Stafford KM, Munger LM. 2010. Acoustic and visual surveys for bowhead whales in the western Beaufort and far northeastern Chukchi seas. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):153-157. doi:10.1016/j.dsr2.2009.08.013
- Morrison CL, Eackles MS, Johnson RL, King TL. 2008. Characterization of 13 microsatellite loci for the deep-sea coral, *Lophelia pertusa* (Linnaeus 1758), from the western North Atlantic Ocean and Gulf of Mexico. *Molecular Ecology Resources* 8(5):1037-1039. doi:10.1111/j.1755-0998.2008.02147.x
- Morrison CL, Ross SW, Nizinski MS, Brooke S, Jarnegren J, Waller RG, Johnson RL, King TL. 2011. Genetic discontinuity among regional populations of *Lophelia pertusa* in the North Atlantic Ocean. *Conservation Genetics* 12(3):713-729. doi:10.1007/s10592-010-0178-5
- Morton B, Blackmore G. 2009. Seasonal variations in the density of and corallivory by *Drupella rugosa* and *Cronia margariticola* (Caenogastropoda: Muricidae) from the coastal waters of Hong Kong: ('plagues' or 'aggregations'? *Journal of the Marine Biological Association of the United Kingdom* 89(1):147-159. doi:10.1017/s002531540800218x
- Mosher CV, Watling L. 2009. Partners for life: a brittle star and its octocoral host. *Marine Ecology-Progress Series* 397:81-88. doi:10.3354/meps08113
- Mundy BC, Parrish FA. 2004. New records of the fish genus *Grammatonotus* (Teleostei: Perciformes: Percoidei: Callanthiidae) from the central Pacific, including a spectacular species in the Northwestern Hawaiian Islands. *Pacific Science* 58(3):403-417.

- Munoz P, Dezileau L, Cardenas L, Sellanes J, Lange CB, Inostroza J, Muratli J, Salamanca MA. 2012. Geochemistry of trace metals in shelf sediments affected by seasonal and permanent low oxygen conditions off central Chile, SE Pacific (similar to 36 degrees S). *Continental Shelf Research* 33:51-68. doi:10.1016/j.csr.2011.11.006
- Munoz P, Dezileau L, Lange C, Cardenas L, Sellanes J, Salamanca MA, Maldonado A. 2012. Evaluation of sediment trace metal records as paleoproductivity and paleoxygenation proxies in the upwelling center off Concepcion, Chile (36 degrees S). *Progress in Oceanography* 92-95:66-80. doi:10.1016/j.pocean.2011.07.010
- Munroe TA, Hashimoto J. 2008. A new western Pacific tonguefish (Pleuronectiformes : Cynoglossidae): The first pleuronectiform discovered at active hydrothermal vents. *Zootaxa*(1839):43-59.
- Munroe TA, Ross SW. 2010. Distribution and life history of two diminutive flatfishes, *Citharichthys gymnorhinus* and *C. cornutus* (Pleuronectiformes: Paralichthyidae), in the western North Atlantic. *Fishery Bulletin* 108(3):323-345.
- Naehr TH, Birgel D, Bohrmann G, MacDonald IR, Kasten S. 2009. Biogeochemical controls on authigenic carbonate formation at the Chapopote "asphalt volcano", Bay of Campeche. *Chemical Geology* 266(3-4):390-402. doi:10.1016/j.chemgeo.2009.07.002
- Negreiros-Fransozo ML, Wenner EL, Knott DM, Fransozo A. 2007. The megalopa and early juvenile stages of *Calappa tortugae* Rathbun, 1933 (Crustacea, Brachyura) reared in the laboratory from South Carolina neuston samples. *Proceedings of the Biological Society of Washington* 120(4):469-485. doi:10.2988/0006-324x(2007)120[469:tmaejs]2.0.co;2
- Nielsen JG, Cohen DM. 2002. Notes on Bythites (Pisces, Bythitidae), with a new genus for *B-hollisi*. *Archive of Fishery and Marine Research* 50(1):49-54.
- Nielsen JG, Ross SW, Cohen DM. 2009. Atlantic occurrence of the genus *Bellottia* (Teleostei, Bythitidae) with two new species from the Western North Atlantic. *Zootaxa*(2018):45-57.
- Nikolaus R, Ammerman JW, MacDonald IR. 2003. Distinct pigmentation and trophic modes in *Beggiatoa* from hydrocarbon seeps in the Gulf of Mexico. *Aquatic Microbial Ecology* 32(1):85-93. doi:10.3354/ame032085
- Nishijima M, Lindsay DJ, Hata J, Nakamura A, Kasai H, Ise Y, Fisher CR, Fujiwara Y, Kawato M, Maruyama T. 2010. Association of Thioautotrophic Bacteria with Deep-Sea Sponges. *Marine Biotechnology* 12(3):253-260. doi:10.1007/s10126-009-9253-7

- Nold SC, Pangborn JB, Zajack HA, Kendall ST, Rediske RR, Biddanda BA. 2010. Benthic Bacterial Diversity in Submerged Sinkhole Ecosystems. *Applied and Environmental Microbiology* 76(1):347-351. doi:10.1128/aem.01186-09
- Nold SC, Zajack HA, Biddanda BA. 2010. Eukaryal and archaeal diversity in a submerged sinkhole ecosystem influenced by sulfur-rich, hypoxic groundwater. *Journal of Great Lakes Research* 36(2):366-375. doi:10.1016/j.jglr.2010.02.014
- Olson JB, Kellogg CA. 2010. Microbial ecology of corals, sponges, and algae in mesophotic coral environments. *Fems Microbiology Ecology* 73(1):17-30. doi:10.1111/j.1574-6941.2010.00862.x
- Olu K, Cordes EE, Fisher CR, Brooks JM, Sibuet M, Desbruyeres D. 2010. Biogeography and Potential Exchanges Among the Atlantic Equatorial Belt Cold-Seep Faunas. *Plos One* 5(8):e11967. doi:10.1371/journal.pone.0011967
- Orcutt B, Boetius A, Elvert M, Samarkin V, Joye SB. 2005. Molecular biogeochemistry of sulfate reduction, methanogenesis and the anaerobic oxidation of methane at Gulf of Mexico cold seeps. *Geochimica et Cosmochimica Acta* 69(17):4267-4281. doi:10.1016/j.gca.2005.04.012
- Orcutt BN, Boetius A, Lugo SK, MacDonald IR, Samarkin VA, Joye SB. 2004. Life at the edge of methane ice: microbial cycling of carbon and sulfur in Gulf of Mexico gas hydrates. *Chemical Geology* 205(3-4):239-251. doi:10.1016/j.chemgeo.2003.12.020
- Osborn KJ, Kuhn LA, Priede IG, Urata M, Gebruk AV, Holland ND. 2012. Diversification of acorn worms (Hemichordata, Enteropneusta) revealed in the deep sea. *Proceedings of the Royal Society B-Biological Sciences* 279(1733):1646-1654. doi:10.1098/rspb.2011.1916
- Osborn KJ, Madin LP, Rouse GW. 2011. The remarkable squidworm is an example of discoveries that await in deep-pelagic habitats. *Biology Letters* 7(3):449-453. doi:10.1098/rsbl.2010.0923
- Pages F, Madin LP. 2010. Siphonophores eat fish larger than their stomachs. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2248-2250. doi:10.1016/j.dsr2.2010.09.026
- Palumbi SR, Sandifer PA, Allan JD, Beck MW, Fautin DG, Fogarty MJ, Halpern BS, Incze LS, Leong JA, Norse E et al. . 2009. Managing for ocean biodiversity to sustain marine ecosystem services. *Frontiers in Ecology and the Environment* 7(4):204-211. doi:10.1890/070135
- Panieri G, Sen Gupta BK. 2008. Benthic Foraminifera of the Blake Ridge hydrate mound, Western North Atlantic Ocean. *Marine Micropaleontology* 66(2):91-102. doi:10.1016/j.marmicro.2007.08.002

- Pante E, Watling L. 2011. Chrysogorgia from the New England and Corner Seamounts: Atlantic-Pacific connections. *Journal of the Marine Biological Association of the United Kingdom* FirstView:1-17. doi:10.1017/S0025315411001354
- Parrish FA. 2009. Do monk seals exert top-down pressure in subphotic ecosystems ? *Marine Mammal Science* 25(1):91-106. doi:10.1111/j.1748-7692.2008.00245.x
- Parrish FA, Littnan CL. 2007. Changing Perspectives in Hawaiian Monk Seal Research Using Animal-Borne Imaging Marine Technology Society Journal 41(4):30-34. doi:10.4031/002533207787441944
- Parrish FA, Roark EB. 2009. Growth validation of gold coral *Gerardia* sp in the Hawaiian Archipelago. *Marine Ecology-Progress Series* 397:163-172. doi:10.3354/meps08299
- Peckmann J, Little CTS, Gill F, Reitner J. 2005. Worm tube fossils from the Hollard Mound hydrocarbon-seep deposit, Middle Devonian, Morocco: Palaeozoic seep-related vestimentiferans? *Palaeogeography Palaeoclimatology Palaeoecology* 227(1-3):242-257. doi:10.1016/j.palaeo.2005.04.021
- Penn K, Wu DY, Eisen JA, Ward N. 2006. Characterization of bacterial communities associated with deep-sea corals on Gulf of Alaska seamounts. *Applied and Environmental Microbiology* 72(2):1680-1683. doi:10.1128/aem.72.2.1680-1683.2006
- Pierrot-Bults AC, Nair VR. 2010. Horizontal and vertical distribution of Chaetognatha in the upper 1000 m of the western Sargasso Sea and the Central and South-east Atlantic. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2189-2198. doi:10.1016/j.dsr2.2010.09.021
- Polovina JJ, Hawn D, Abecassis M. 2008. Vertical movement and habitat of opah (*Lampris guttatus*) in the central North Pacific recorded with pop-up archival tags. *Marine Biology* 153(3):257-267. doi:10.1007/s00227-007-0801-2
- Proskurowski G, Lilley MD, Seewald JS, Fruh-Green GL, Olson EJ, Lupton JE, Sylva SP, Kelley DS. 2008. Abiogenic hydrocarbon production at Lost City hydrothermal field. *Science* 319(5863):604-607. doi:10.1126/science.1151194
- Prouty NG, Roark EB, Buster NA, Ross SW. 2011. Growth rate and age distribution of deep-sea black corals in the Gulf of Mexico. *Marine Ecology-Progress Series* 423:101-U121. doi:10.3354/meps08953
- Purcell JE, Hopcroft RR, Kosobokova KN, Whitedge TE. 2010. Distribution, abundance, and predation effects of epipelagic ctenophores and jellyfish in the western Arctic Ocean. *Deep-Sea*

Research Part II-Topical Studies in Oceanography 57(1-2):127-135.

doi:10.1016/j.dsr2.2009.08.011

Quattrini A, Ross S, Carlson M, Nizinski M. Megafaunal-habitat associations at a deep-sea coral mound off North Carolina, USA. *Marine Biology*: In Press. doi:10.1007/s00227-012-1888-7

Quattrini AM, Partyka ML, Ross SW. 2009. Aspects of the Reproductive Biology of the Skate *Fenestraja plutonia* (Garman) off North Carolina. *Southeastern Naturalist* 8(1):55-70. doi:10.1656/058.008.0106

Quattrini AM, Ross SW. 2006. Fishes associated with North Carolina shelf-edge hardbottoms and initial assessment of a proposed marine protected area. *Bulletin of Marine Science* 79(1):137-163.

Quattrini AM, Ross SW, Sulak KJ, Necaie AM, Casazza TL, Dennis GD. 2004. Marine fishes new to continental United States waters, North Carolina, and the Gulf of Mexico. *Southeastern Naturalist* 3(1):155-172. doi:10.1656/1528-7092(2004)003[0155:MFNTCU]2.0.CO;2

Quiroga E, Sellanes J. 2009. Growth and size-structure of *Stegophiura* sp (Echinodermata: Ophiuroidea) on the continental slope off central Chile: a comparison between cold seep and non-seep sites. *Journal of the Marine Biological Association of the United Kingdom* 89(2):421-428. doi:10.1017/s0025315408002786

Quiroga SY, Bolanos DM, Litvaitis MK. 2008. Two new species of flatworms (Platyhelminthes: Polycladida) from the continental slope of the Gulf of Mexico. *Journal of the Marine Biological Association of the United Kingdom* 88(7):1363-1370. doi:10.1017/s0025315408002105

Raskoff KA. 2010. *Bathykorus bouilloni*: a new genus and species of deep-sea jellyfish from the Arctic Ocean (Hydrozoa, Narcomedusae, Aeginidae). *Zootaxa*(2361):57-67.

Raskoff KA, Hopcroft RR, Kosobokova KN, Purcell JE, Youngbluth M. 2010. Jellies under ice: ROV observations from the Arctic 2005 hidden ocean expedition. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(1-2):111-126. doi:10.1016/j.dsr2.2009.08.010

Raskoff KA, Purcell JE, Hopcroft RR. 2005. Gelatinous zooplankton of the Arctic Ocean: in situ observations under the ice. *Polar Biology* 28(3). doi:10.1007/s00300-004-0677-2

Reed JK, Weaver DC, Pomponi SA. 2006. Habitat and fauna of deep-water *lophelia pertusa* coral reefs off the southeastern US: Blake Plateau, Straits of Florida, and Gulf of Mexico. *Bulletin of Marine Science* 78(2):343-375.



- Reese DC, O'Malley RT, Brodeur RD, Churnside JH. 2011. Epipelagic fish distributions in relation to thermal fronts in a coastal upwelling system using high-resolution remote-sensing techniques. *ICES Journal of Marine Science* 68(9):1865-1874. doi:10.1093/icesjms/fsr107
- Reeves RR, Josephson E, Smith TD. 2004. Putative historical occurrence of North Atlantic right whales in mid-latitude offshore waters: 'Maury's Smear' is likely apocryphal. *Marine Ecology-Progress Series* 282:295-305. doi:10.3354/meps282295
- Reeves RR, Smith TD, Josephson EA, Clapham PJ, Woolmer G. 2004. Historical observations of humpback and blue whales in the North Atlantic Ocean: Clues to migratory routes and possibly additional feeding grounds. *Marine Mammal Science* 20(4):774-786.
- Relles NJ, Jones DOB, Mishra DR. 2012. Creating Landscape-Scale Maps of Coral Reef Cover for Marine Reserve Management from High-Resolution Multispectral Remote Sensing. *GIScience & Remote Sensing* 49(2):251-274. doi:10.2747/1548-1603.49.2.251
- Resing JA, Baker ET, Lupton JE, Walker SL, Butterfield DA, Massoth GJ, Nakamura K. 2009. Chemistry of hydrothermal plumes above submarine volcanoes of the Mariana Arc. *Geochemistry Geophysics Geosystems* 10(Q02009). doi:10.1029/2008gc002141
- Resing JA, Lebon G, Baker ET, Lupton JE, Embley RW, Massoth GJ, Chadwick WW, De Ronde CEJ. 2007. Venting of acid-sulfate fluids in a high-sulfidation setting at NW rota-1 submarine volcano on the mariana arc. *Economic Geology* 102(6):1047-1061. doi:10.2113/gsecongeo.102.6.1047
- Resing JA, Rubin KH, Embley RW, Lupton JE, Baker ET, Dziak RP, Baumberger T, Lilley MD, Huber JA, Shank TM et al. . 2011. Active submarine eruption of boninite in the northeastern Lau Basin. *Nature Geoscience* 4(11):799-806. doi:10.1038/ngeo1275
- Roark EB, Guilderson TP, Page SRF, Dunbar RB, Ingram BL, Fallon SJ, McCulloch M. 2005. Radiocarbon-based ages and growth rates of bamboo corals from the Gulf of Alaska. *Geophysical Research Letters* 32(4). doi:http://dx.doi.org/10.1029/2004GL021919
- Roberts H, Fisher CR, Brooks JM, Bernard B, Carney RS, Cordes EE, Shedd W, Hunt JL, Joye S, MacDonald IR et al. . 2007. Exploration of the Deep Gulf of Mexico Slope using DSV Alvin: Site Selection and Geologic Character. *Gulf Coast Association of Geological Societies Transactions* 57.
- Roberts HH, Boland GS. 2010. Gulf of Mexico Cold Seeps Preface. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1835-1836. doi:10.1016/j.dsr2.2010.05.001

- Roberts HH, Feng D, Joye SB. 2010. Cold-seep carbonates of the middle and lower continental slope, northern Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):2040-2054. doi:10.1016/j.dsr2.2010.09.003
- Roberts HH, Shedd W, Hunt J. 2010. Dive site geology: DSV ALVIN (2006) and ROV JASON II (2007) dives to the middle-lower continental slope, northern Gulf of Mexico. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):1837-1858. doi:10.1016/j.dsr2.2010.09.001
- Robinson CA, Bernhard JM, Levin LA, Mendoza GF, Blanks JK. 2004. Surficial hydrocarbon seep infauna from the Blake Ridge (Atlantic Ocean, 2150 m) and the Gulf of Mexico (690-2240 m). *Marine Ecology-Pubblicazioni Della Stazione Zoologica Di Napoli I* 25(4):313-336. doi:10.1111/j.1439-0485.2004.00034.x
- Robinson LF, Adkins JF, Scheirer DS, Fernandez DP, Gagnon A, Waller RG. 2007. Deep-sea scleractinian coral age and depth distributions in the northwest Atlantic for the last 225,000 years. *Bulletin of Marine Science* 81(3):371-391.
- Roman C, Mather R. 2010. Autonomous underwater vehicles as tools for deep-submergence archaeology. *Proceedings of the Institution of Mechanical Engineers Part M-Journal of Engineering for the Maritime Environment* 224(M4):327-340. doi:10.1243/14750902jeme202
- Rooney J, Donham E, Montgomery A, Spalding H, Parrish F, Boland R, Fenner D, Gove J, Vetter O. 2010. Mesophotic coral ecosystems in the Hawaiian Archipelago. *Coral Reefs* 29(2):361-367. doi:10.1007/s00338-010-0596-3
- Ross SW. 2007. Unique deep-water ecosystems off the southeastern United States. *Oceanography* 20(4):130-139.
- Ross SW, Casazza TL, Quattrini AM, Sulak KJ. 2007. Anguilliform larvae collected off North Carolina. *Marine Biology* 150(4):681-695. doi:10.1007/s00227-006-0388-z
- Ross SW, Quattrini AM. 2007. The fish fauna associated with deep coral banks off the southeastern United States. *Deep-Sea Research Part I-Oceanographic Research Papers* 54(6):975-1007. doi:10.1016/j.dsr.2007.03.010
- Ross SW, Quattrini AM. 2009. Deep-sea reef fish assemblage patterns on the Blake Plateau (Western North Atlantic Ocean). *Marine Ecology-an Evolutionary Perspective* 30(1):74-92. doi:10.1111/j.1439-0485.2008.00260.x
- Ross SW, Rhode FC. 2004. The gobioid fishes of North Carolina (Pisces : Gobioidae). *Bulletin of Marine Science* 74(2):287-323.

- Ruberg SA, Coleman DE, Johengen TH, Meadows GA, Van Sumeren HW, Lang GA, Biddanda BA. 2005. Groundwater plume mapping in a submerged sinkhole in Lake Huron. *Marine Technology Society Journal* 39(2):65-69.
- Ruberg SA, Kendall ST, Biddanda BA, Black T, Nold SC, Lusardi WR, Green R, Casserley T, Smith E, Sanders TG et al. . 2008. Observations of the Middle Island Sinkhole in Lake Huron - A Unique Hydrogeologic and Glacial Creation of 400 Million Years. *Marine Technology Society Journal* 42(4):12-21.
- Runcie RM, Dewar H, Hawn DR, Frank LR, Dickson KA. 2009. Evidence for cranial endothermy in the opah (*Lampris guttatus*). *Journal of Experimental Biology* 212(4):461-470.  
doi:10.1242/jeb.022814
- Sadler N. 2008. The Trouvadore Project: The Search for a Slave Ship and its Cultural Importance. *International Journal of Historical Archaeology* 12(1):53-70. doi:10.1007/s10761-008-0056-8
- Sadler N. 2010. Inclusion in an Archaeological Project: Trouvadore Project. A Case Study. *Archaeologies* 6(3):431-446. doi:10.1007/s11759-010-9140-x
- Salerno JL, Macko SA, Hallam SJ, Bright M, Won YJ, McKiness Z, Van Dover CL. 2005. Characterization of symbiont populations in life-history stages of mussels from chemosynthetic environments. *Biological Bulletin* 208(2):145-155.
- Sanamyan KE, Sanamyan NP. 2005. Deep-water ascidians from the North Atlantic (RV Academic Keldysh, cruise 46 and 49). *Journal of Natural History* 39(22):2005-2021.  
doi:10.1080/00222930400026969
- Sanders TG, Biddanda BA, Stricker CA, Nold SC. 2011. Benthic macroinvertebrate and fish communities in Lake Huron are linked to submerged groundwater vents. *Aquatic Biology* 12(1):1-11. doi:10.3354/ab00318
- Sansone FJ, Spalding HL, Smith CM. 2008. Submersible-operated porewater sampler for permeable sediments. *Limnology and Oceanography-Methods* 6:119-125.
- Schobernd CM, Sedberry GR. 2009. Shelf-edge and upper-slope reef fish assemblages in the South Atlantic Bight: habitat characteristics, spatial variation, and reproductive behavior. *Bulletin of Marine Science* 84(1):67-92.
- Schultz TF, Hsing PY, Eng A, Zelnio KA, Thaler AD, Carlsson J, Van Dover CL. 2011. Characterization of 18 polymorphic microsatellite loci from *Bathymodiolus manusensis* (*Bivalvia*, *Mytilidae*) from deep-sea hydrothermal vents. *Conservation Genetics Resources* 3(1):25-27. doi:10.1007/s12686-010-9272-8

- Sedberry GR, Fautin DG, Feldman M, Fornwall MD, Goldstein P, Guralnick RP. 2011. OBIS-USA A Data-Sharing Legacy of the Census of Marine Life. *Oceanography* 24(2):166-173. doi:10.5670/oceanog.2011.36
- Sedberry GR, Harasewych MG. 2006. Rediscovery, range extension, and redescription of *Calliostoma torrei* Clench and Aguayo, 1940 (Gastropoda: Vetigastropoda: Calliostomatidae). *Nautilus* 120(2).
- Sedberry GR, Meister HS, Loefer JK. 2007. First in-situ observation of a frill shark, *Chlamydoselachus anguineus*, and an additional record for the western North Atlantic. *Journal of the North Carolina Academy of Science* 123(127):132.
- Sellanes J, Quiroga E, Neira C. 2008. Megafauna community structure and trophic relationships at the recently discovered Concepcion Methane Seep Area, Chile, similar to 36 degrees S. *ICES Journal of Marine Science* 65(7):1102-1111. doi:10.1093/icesjms/fsn099
- Senkowsky S. 2002. Charting new territory: Alaska's seamounts. *Bioscience* 52(11):968-976. doi:10.1641/0006-3568(2002)052[0968:CNTAS]2.0.CO;2
- Shagin DA, Barsova EV, Yanushevich YG, Fradkov AF, Lukyanov KA, Labas YA, Semenova TN, Ugalde JA, Meyers A, Nunez JM et al. . 2004. GFP-like proteins as ubiquitous metazoan superfamily: Evolution of functional features and structural complexity. *Molecular Biology and Evolution* 21(5):841-850. doi:10.1093/molbev/msh079
- Shank TM. 2010. Seamounts Deep-Ocean Laboratories of Faunal Connectivity, Evolution, and Endemism. *Oceanography* 23(1):108-122.
- Shank TM, Halanych KM. 2007. Toward a mechanistic understanding of larval dispersal: insights from genomic fingerprinting of the deep-sea hydrothermal vent tubeworm *Riftia pachyptila*. *Marine Ecology-an Evolutionary Perspective* 28(1):25-35. doi:10.1111/j.1439-0485.2006.00146.x
- Sharma J, Baguley J, Bluhm BA, Rowe G. 2011. Do Meio- and Macrobenthic Nematodes Differ in Community Composition and Body Weight Trends with Depth? *Plos One* 6(1):e14491. doi:10.1371/journal.pone.0014491
- Sharma J, Bluhm B. 2011. Diversity of larger free-living nematodes from macrobenthos (>250 µm) in the Arctic deep-sea Canada Basin. *Marine Biodiversity* 41(3):455-465. doi:10.1007/s12526-010-0060-1
- Silverman HG, Roberto FF. 2007. Understanding marine mussel adhesion. *Marine Biotechnology* 9(6):661-681. doi:10.1007/s10126-007-9053-x

- Simao N, Escartin J, Goslin J, Haxel J, Cannat M, Dziak R. 2010. Regional seismicity of the Mid-Atlantic Ridge: observations from autonomous hydrophone arrays. *Geophysical Journal International* 183(3):1559-1578. doi:10.1111/j.1365-246X.2010.04815.x
- Simpson A, Watling L. 2011. Precious corals (Coralliidae) from north-western Atlantic Seamounts. *Journal of the Marine Biological Association of the United Kingdom* 91(2):369-382. doi:10.1017/s002531541000086x
- Sinclair DJ, Williams B, Allard G, Ghaleb B, Fallon S, Ross SW, Risk M. 2011. Reproducibility of trace element profiles in a specimen of the deep-water bamboo coral *Keratois sp.* *Geochimica et Cosmochimica Acta* 75(18):5101-5121. doi:10.1016/j.gca.2011.05.012
- Sinniger F, Zelnio KA, Taviani M, Reimer JD. 2010. Presence of *Abyssoanthus sp.* (Anthozoa: Zoantharia) in the Mediterranean Sea: an indication of non-dependence of *Abyssoanthus* to chemosynthetic-based ecosystems? *Cahiers de Biologie Marine* 51(4):475-478.
- Slattery M, Lesser MP, Brazeau D, Stokes MD, Leichter JJ. 2011. Connectivity and stability of mesophotic coral reefs. *Journal of Experimental Marine Biology and Ecology* 408(1-2):32-41. doi:10.1016/j.jembe.2011.07.024
- Spalding HL, Gupta A, Barshis DJ, Knope ML, Tice KA, Dirzo R, Wilber C. 2010. K-12 science education and "broader impacts". *Frontiers in Ecology and the Environment* 8(4):217-218. doi:10.1890/1540-9295-8.4.217
- Speed C, Meekan M, Bradshaw C. 2007. Spot the match – wildlife photo-identification using information theory. *Frontiers in Zoology* 4(1):1-11. doi:10.1186/1742-9994-4-2
- Stafford KM, Laidre KL, Heide-Jørgensen MP. 2011. First acoustic recordings of narwhals (*Monodon monoceros*) in winter. *Marine Mammal Science*:In Press. doi:10.1111/j.1748-7692.2011.00500.x
- Stafford KM, Moore SE, Laidre KL, Heide-Jørgensen MP. 2008. Bowhead whale springtime song off West Greenland. *Journal of the Acoustical Society of America* 124(5):3315-3323. doi:10.1121/1.2980443
- Stein DL, Felley JD, Vecchione M. 2005. ROV observations of benthic fishes in the Northwind and Canada Basins, Arctic Ocean. *Polar Biology* 28(3). doi:10.1007/s00300-004-0696-z
- Stern RJ, Tamura Y, Embley RW, Ishizuka O, Merle SG, Basu NK, Kawabata H, Bloomer SH. 2008. Evolution of West Rota volcano, an extinct submarine volcano in the southern Mariana Arc: Evidence from sea floor morphology, remotely operated vehicle observations and Ar-40-Ar-39 geochronological studies. *Island Arc* 17(1):70-89. doi:10.1111/j.1440-1738.2007.00600.x

- Stokes MD, Deane GB. 2009. Automated processing of coral reef benthic images. *Limnology and Oceanography-Methods* 7:157-168. doi:10.4319/lom.2009.7.157
- Stoner AW, Ryer CH, Parker SJ, Auster PJ, Wakefield WW. 2008. Evaluating the role of fish behavior in surveys conducted with underwater vehicles. *Canadian Journal of Fisheries and Aquatic Sciences* 65(6):1230-1243. doi:10.1139/f08-032
- Supak S, Carbotte SM, Macdonald KC. 2007. Influence of ridge migration and proximity to hot spots on the morphology of slow- and intermediate-spreading centers. *Geochemistry Geophysics Geosystems* 8:Q01010. doi:10.1029/2006gc001387
- Sutton TT, Hartel KE. 2004. New species of *Eustomias* (Teleostei : Stomiidae) from the western North Atlantic, with a review of the subgenus *Neostomias*. *Copeia*(1):116-121. doi:10.1643/C1-03-120R1
- Sutton TT, Porteiro FM, Heino M, Byrkjedal I, Langhelle G, Anderson CIH, Horne J, Soiland H, Falkenhaus T, Godo OR et al. . 2008. Vertical structure, biomass and topographic association of deep-pelagic fishes in relation to a mid-ocean ridge system. *Deep-Sea Research Part II-Topical Studies in Oceanography* 55(1-2):161-184. doi:10.1016/j.dsr2.2007.09.013
- Sutton TT, Wiebe PH, Madin L, Bucklin A. 2010. Diversity and community structure of pelagic fishes to 5000 m depth in the Sargasso Sea. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2220-2233. doi:10.1016/j.dsr2.2010.09.024
- Sweeney AM, Des Marais DL, Ban YEA, Johnsen S. 2007. Evolution of graded refractive index in squid lenses. *Journal of the Royal Society Interface* 4(15):685-698. doi:10.1098/rsif.2006.0210
- Sweeney AM, Haddock SHD, Johnsen S. 2007. Comparative visual acuity of coleoid cephalopods. *Integrative and Comparative Biology* 47(6):808-814. doi:10.1093/icb/icm092
- Swift HF, Hamner WM, Robison BH, Madin LP. 2009. Feeding behavior of the ctenophore *Thalassocalyce inconstans*: revision of anatomy of the order *Thalassocalycida*. *Marine Biology* 156(5):1049-1056. doi:10.1007/s00227-009-1149-6
- Takai K, Nunoura T, Horikoshi K, Shibuya T, Nakamura K, Suzuki Y, Stott M, Massoth GJ, Christenson BW, deRonde CEJ et al. . 2009. Variability in Microbial Communities in Black Smoker Chimneys at the NW Caldera Vent Field, Brothers Volcano, Kermadec Arc. *Geomicrobiology Journal* 26(8):552-569. doi:10.1080/01490450903304949
- Thoma JN, Pante E, Brugler MR, France SC. 2009. Deep-sea octocorals and antipatharians show no evidence of seamount-scale endemism in the NW Atlantic. *Marine Ecology-Progress Series* 397:25-35. doi:10.3354/meps08318

- Thurber AR, Kroger K, Neira C, Wiklund H, Levin LA. 2010. Stable isotope signatures and methane use by New Zealand cold seep benthos. *Marine Geology* 272(1-4):260-269. doi:10.1016/j.margeo.2009.06.001
- Torres ME, Embley RW, Merle SG, Trehu AM, Collier RW, Suess E, Heeschen KU. 2009. Methane sources feeding cold seeps on the shelf and upper continental slope off central Oregon, USA. *Geochemistry Geophysics Geosystems* 10:Q11003. doi:10.1029/2009gc002518
- Tunncliffe V, Davies KTA, Butterfield DA, Embley RW, Rose JM, Chadwick WW. 2009. Survival of mussels in extremely acidic waters on a submarine volcano. *Nature Geoscience* 2(5):344-348. doi:10.1038/ngeo500
- Tunncliffe V, Koop BF, Tyler J, So S. 2010. Flatfish at seamount hydrothermal vents show strong genetic divergence between volcanic arcs. *Marine Ecology* 31(Supplement, S1):158-167. doi:10.1111/j.1439-0485.2010.00370.x
- Tunncliffe V, Rose JM, Bates AE, Kelly NE. 2008. Parasitization of a hydrothermal vent limpet (Lepetodrilidae, Vetigastropoda) by a highly modified copepod (Chitonophilidae, Cyclopoidea). *Parasitology* 135(11):1281-1293. doi:10.1017/s0031182008004721
- Turnipseed M, Knick KE, Lipcius RN, Dreyer J, Van Dover CL. 2003. Diversity in mussel beds at deep-sea hydrothermal vents and cold seeps. *Ecology Letters* 6(6):518-523. doi:10.1046/j.1461-0248.2003.00465.x
- Tyler P, Young CM, Dolan E, Arellano SM, Brooke SD, Baker M. 2007. Gametogenic periodicity in the chemosynthetic cold-seep mussel "Bathymodiolus" childressi. *Marine Biology* 150(5):829-840. doi:10.1007/s00227-006-0362-9
- Ujiie Y, de Garidel-Thoron T, Watanabe S, Wiebe P, de Vargas C. 2010. Coiling dimorphism within a genetic type of the planktonic foraminifer *Globorotalia truncatulinoides*. *Marine Micropaleontology* 77(3-4):145-153. doi:10.1016/j.marmicro.2010.09.001
- van der Ham JL, Brugler MR, France SC. 2009. Exploring the utility of an indel-rich, mitochondrial intergenic region as a molecular barcode for bamboo corals (Octocorallia: Isididae). *Marine Genomics* 2(3-4):183-192. doi:10.1016/j.margen.2009.10.002
- Van Gaest AL, Young CM, Young JJ, Helms AR, Arellano SM. 2007. Physiological and behavioral responses of *Bathynnerita naticoidea* (Gastropoda : Neritidae) and *Methanoaricia dendrobranchiata* (Polychaeta : Orbiniidae) to hypersaline conditions at a brine pool cold seep. *Marine Ecology-an Evolutionary Perspective* 28(1):199-207. doi:10.1111/j.1439-0485.2006.00147.x

- Vardaro MF, MacDonald IR, Bender LC, Guinasso NL. 2006. Dynamic processes observed at a gas hydrate outcropping on the continental slope of the Gulf of Mexico. *Geo-Marine Letters* 26(1). doi:10.1007/s00367-005-0010-2
- Verbruggen H, De Clerck O, N'Yeurt ADR, Spalding H, Vroom PS. 2006. Phylogeny and taxonomy of *Halimeda incrassata*, including descriptions of *H-kanaloana* and *H-heteromorpha* spp. nov (Bryopsidales, Chlorophyta). *European Journal of Phycology* 41(3):337-362. doi:10.1080/09670260600709315
- Vetter EW, Smith CR, De Leo FC. 2010. Hawaiian hotspots: enhanced megafaunal abundance and diversity in submarine canyons on the oceanic islands of Hawaii. *Marine Ecology-an Evolutionary Perspective* 31(1):183-199. doi:10.1111/j.1439-0485.2009.00351.x
- Vinogradov GM. 2005. Vertical distribution of macroplankton at the Charlie-Gibbs Fracture Zone (North Atlantic), as observed from the manned submersible "Mir-1". *Marine Biology* 146(2):325-331. doi:10.1007/s00227-004-1436-1
- Vogt A, D'Angelo C, Oswald F, Denzel A, Mazel CH, Matz MV, Ivanchenko S, Nienhaus GU, Wiedenmann J. 2008. A Green Fluorescent Protein with Photoswitchable Emission from the Deep Sea. *Plos One* 3(11):e3766. doi:10.1371/journal.pone.0003766
- Wagner D, Brugler MR, Opresko DM, France SC, Montgomery AD, Toonen RJ. 2010. Using morphometrics, in situ observations and genetic characters to distinguish among commercially valuable Hawaiian black coral species; a redescription of *Antipathes grandis* Verrill, 1928 (Antipatharia : Antipathidae). *Invertebrate Systematics* 24(3):271-290. doi:10.1071/is10004
- Walker SH, Keener-Chavis P. 2005. The Path to Ocean Sciences Literacy: Essential Steps Along the Way. *Marine Technology Society Journal* 39(4):20-32. doi:10.4031/002533205787465977
- Walker SL, Baker ET, Resing JA, Chadwick WW, Lebon GT, Lupton JE, Merle SG. 2008. Eruption-fed particle plumes and volcanoclastic deposits at a submarine volcano: NW Rota-1, Mariana Arc. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s11. doi:10.1029/2007jb005441
- Waller R, Watling L, Auster P, Shank T. 2007. Anthropogenic impacts on the corner rise seamounts, north-west Atlantic ocean. *Journal of the Marine Biological Association of the United Kingdom* 87(5):1075-1076. doi:10.1017/s0025315407057785
- Waller RG, Adkins JE, Robinson LE, Shank TM. 2007. Ancient DNA techniques: Applications for deep-water corals. *Bulletin of Marine Science* 81(3):351-359.



- Waller RG, Baco AR. 2007. Reproductive morphology of three species of deep-water precious corals from the Hawaiian archipelago: *Gerardia* sp., *Corallium secundum*, and *Corallium lauense*. *Bulletin of Marine Science* 81(3):533-542.
- Walter M, Mertens C, Stober U, German CR, Yoerger DR, Sultenfuss J, Rhein M, Melchert B, Baker ET. 2010. Rapid dispersal of a hydrothermal plume by turbulent mixing. *Deep-Sea Research Part I-Oceanographic Research Papers* 57(8):931-945. doi:10.1016/j.dsr.2010.04.010
- Wankel SD, Joye SB, Samarkin VA, Shah SR, Friederich G, Melas-Kyriazi J, Girguis PR. 2010. New constraints on methane fluxes and rates of anaerobic methane oxidation in a Gulf of Mexico brine pool via in situ mass spectrometry. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(21-23):2022-2029. doi:10.1016/j.dsr2.2010.05.009
- Ward C, Ballard RD. 2004. Deep-water Archaeological Survey in the Black Sea: 2000 Season. *International Journal of Nautical Archaeology* 33(1):2-13. doi:10.1111/j.1095-9270.2004.00002.x
- Ward ME, Shields JD, Van Dover CL. 2004. Parasitism in species of *Bathymodiolus* (Bivalvia : Mytilidae) mussels from deep-sea seep and hydrothermal vents. *Diseases of Aquatic Organisms* 62(1-2):1-16. doi:10.3354/dao062001
- Watling LE. 2007. A review of the genus *Iridogorgia* (Octocorallia : Chrysogorgiidae) and its relatives, chiefly from the North Atlantic Ocean. *Journal of the Marine Biological Association of the United Kingdom* 87(2):393-402. doi:10.1017/s002531540705535x
- Watling LE, France SC. 2011. A New Genus and Species of Bamboo Coral (Octocorallia: Isididae: Keratoisidinae) from the New England Seamounts. *Bulletin of the Peabody Museum of Natural History* 52(2):209-220. doi:10.3374/014.052.0202
- Webster JM, Clague DA, Braga JC, Spalding H, Renema W, Kelley C, Applegate B, Smith JR, Paull CK, Moore JG et al. . 2006. Drowned coralline algal dominated deposits off Lanai, Hawaii; carbonate accretion and vertical tectonics over the last 30 ka. *Marine Geology* 225(1-4):223-246. doi:10.1016/j.margeo.2005.08.002
- Wells LE, Cordray M, Bowerman S, Miller LA, Vincent WF, Deming JW. 2006. Archaea in particle-rich waters of the Beaufort Shelf and Franklin Bay, Canadian Arctic: Clues to an allochthonous origin? *Limnology and Oceanography* 51(1):47-59.
- White HK, Hsing P-Y, Cho W, Shank TM, Cordes EE, Quattrini AM, Nelson RK, Camilli R, Demopoulos AWJ, German CR et al. . 2012. Impact of the Deepwater Horizon oil spill on a deep-water coral community in the Gulf of Mexico. *Proceedings of the National Academy of Sciences*. doi:10.1073/pnas.1118029109

- White SM, Haymon RM, Carbotte S. 2006. A new view of ridge segmentation and near-axis volcanism at the East Pacific Rise, 8 degrees-12 degrees N, from EM300 multibeam bathymetry. *Geochemistry Geophysics Geosystems* 7:Q12o05. doi:10.1029/2006gc001407
- White SM, Meyer JD, Haymon RM, Macdonald KC, Baker ET, Resing JA. 2008. High-resolution surveys along the hot spot-affected Galapagos Spreading Center: 2. Influence of magma supply on volcanic morphology. *Geochemistry Geophysics Geosystems* 9:Q09004. doi:10.1029/2008gc002036
- Widder EA. 2007. Sly Eye for the Shy Guy Peering into the Depths with New Sensors. *Oceanography* 20(4):46-51.
- Widder EA. 2010. Bioluminescence in the Ocean: Origins of Biological, Chemical, and Ecological Diversity. *Science* 328(5979):704-708. doi:10.1126/science.1174269
- Widder EA, Robison BH, Reisenbichler KR, Haddock SHD. 2005. Using red light for in situ observations of deep-sea fishes. *Deep-Sea Research Part I-Oceanographic Research Papers* 52(11):2077-2085. doi:10.1016/j.dsr.2005.06.007
- Wiebe PH, Bucklin A, Madin L, Angel MV, Sutton T, Pages F, Hopcroft RR, Lindsay D. 2010. Deep-sea sampling on CMarZ cruises in the Atlantic Ocean - an Introduction. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2157-2166. doi:10.1016/j.dsr2.2010.09.018
- Wiebe PH, Schnack-Schiel SB, Nishida S. 2010. Introduction to species diversity of marine zooplankton Preface. *Deep-Sea Research Part II-Topical Studies in Oceanography* 57(24-26):2061-2063. doi:10.1016/j.dsr2.2010.09.009
- Williams B, Risk MJ, Ross SW, Sulak KJ. 2006. Deep-water antipatharians: Proxies of environmental change. *Geology* 34(9):773-776. doi:10.1130/g22685.1
- Williams B, Risk MJ, Ross SW, Sulak KJ. 2007. Stable isotope data from deep-water antipatharians: 400-year records from the southeastern coast of the United States of America. *Bulletin of Marine Science* 81(3):437-447.
- Wilson SG, Polovina JJ, Stewart BS, Meekan MG. 2006. Movements of whale sharks (*Rhincodon typus*) tagged at Ningaloo Reef, Western Australia. *Marine Biology* 148(5):1157-1166. doi:10.1007/s00227-005-0153-8
- Wilson SG, Stewart BS, Polovina JJ, Meekan MG, Stevens JD, Galuardi B. 2007. Accuracy and precision of archival tag data: a multiple-tagging study conducted on a whale shark (*Rhincodon typus*) in the Indian Ocean. *Fisheries Oceanography* 16(6):547-554. doi:10.1111/j.1365-2419.2007.00450.x

Wishner KF, Graff JR, Martin JW, Carey S, Sigurdsson H, Seibel BA. 2005. Are midwater shrimp trapped in the craters of submarine volcanoes by hydrothermal venting? *Deep-Sea Research Part I-Oceanographic Research Papers* 52(8):1528-1535. doi:10.1016/j.dsr.2005.03.012

Wright IC, Chadwick WW, de Ronde CEJ, Reymond D, Hyvernaud O, Gennerich HH, Stoffers P, Mackay K, Dunkin MA, Bannister SC. 2008. Collapse and reconstruction of Monowai submarine volcano, Kermadec arc, 1998-2004. *Journal of Geophysical Research-Solid Earth* 113(B8):B08s03. doi:10.1029/2007jb005138

Yeung C, McConnaughey RA. 2008. Using acoustic backscatter from a sidescan sonar to explain fish and invertebrate distributions: a case study in Bristol Bay, Alaska. *Ices Journal of Marine Science* 65(2):242-254. doi:10.1093/icesjms/fsn011

Yoerger DR, Bradley AM, Jakuba M, German CR, Shank T, Tivey M. 2007. Autonomous and Remotely Operated Vehicle Technology for Hydrothermal Vent Discovery, Exploration, and Sampling. *Oceanography* 20(1):152-161.

Yoerger DR, Bradley AM, Jakuba M, Tivey MA, German CR, Shank TM, Embley RW. 2007. Mid-Ocean Ridge Exploration with an Autonomous Underwater Vehicle. *Oceanography* 20(4):52-61.

Yoklavich MM, Grimes CB, Wakefield WW. 2003. Using laser line scan imaging technology to assess deepwater seafloor habitats in the Monterey Bay National Marine Sanctuary. *Marine Technology Society Journal* 37(1):18-26.

Zhang HS, Negahdaripour S. 2006. Integrating BC & GC Models In Computing Stereo Disparity As Markov Random Field. *Journal of Multimedia* 1(7):30-39.

Zhang HS, Negahdaripour S. 2008. Epiflow - A paradigm for tracking stereo correspondences. *Computer Vision and Image Understanding* 111(3):307-328. doi:10.1016/j.cviu.2008.01.001

Zhang HS, Negahdaripour S. 2010. EKF-Based Recursive Dual Estimation of Structure and Motion From Stereo Data. *Ieee Journal of Oceanic Engineering* 35(2):424-437. doi:10.1109/joe.2010.2041573

## **Books and Book Chapters (n=41)**

Amend M, Yoklavich MM, Rzhhanov Y, Grimes CB, Wakefield WW. 2007. Mosaics of benthic habitats using laser line scan technology: it's in the details. In: Todd BJ, Green HJ, editors. *Mapping the Seafloor for Habitat Characterization*. . Geological Association of Canada. p. 61-69.

Andrews AH, Cailliet GM, Kerr LA, Coale C, Lundstrom KH, DeVogelaere AP. 2005. Investigations of age and growth for three deep-sea corals from the Davidson Seamount off central California. In: Freiwald A, Roberts JM, editors. *Cold-water Corals and Ecosystems*. Berlin Heidelberg: Springer-Verlag. p. 1021-1038.

Auster P, Moore J, Heinonen K, Watling L. 2005. A habitat classification scheme for seamount landscapes: assessing the functional role of deep-water corals as fish habitat. In: Freiwald A, Roberts JM, editors. *Cold-Water Corals and Ecosystems*. Springer Berlin Heidelberg. p. 761-769. doi:10.1007/3-540-27673-4\_40

Auster PJ. 2007. Linking deepwater corals and fish populations. In: George RY, Cairns SD, editors. *Conservation and Adaptive Management of Seamount and Deep-Sea Coral Ecosystems*. Miami, FL: Rosenstiel School of Marine and Atmospheric Science, University of Miami.

Baco AR, Shank TM. 2005. Population genetic structure of the Hawaiian precious coral & Corallium lauense (Octocorallia: Coralliidae) using microsatellites. In: Freiwald A, Roberts JM, editors. *Cold-Water Corals and Ecosystems*. Springer Berlin Heidelberg. p. 663-678. doi:10.1007/3-540-27673-4\_33

Ball D, Irion J, Horrell C. 2007. Outreach Beyond the Beach: Management of Historic Shipwrecks on the Outer Continental Shelf. In: Jameson J, Scott-Ireton D, editors. *Out of the Blue*. Springer US. p. 171-181. doi:10.1007/978-0-387-47862-3\_12

Brennan ML, Ballard RD, Croff Bell KL, Piechota D. 2011. Archaeological oceanography and environmental characterization of shipwrecks in the Black Sea. In: Buynevich IV, Yanko-Hombach V, Gilbert AS, Martin RE, editors. *Geology and Geoarchaeology of the Black Sea Region: Beyond the Flood Hypothesis*. GSA Special Papers 473. p. 179-189.

Coleman DF. 2008. Sinkholes in Lake Huron and the Possibility for Human Occupation on the Submerged Great Lakes Shelf. In: Ballard RD, editor. *Archaeological Oceanography*. Princeton University Press.

Cordes EE, Hourdez S, Roberts HH. 2010. Unusual Habitats and Organisms Associated with the Cold Seeps of the Gulf of Mexico. In: Kiel S, editor. *The Vent and Seep Biota*. Springer Netherlands. p. 315-331. doi:10.1007/978-90-481-9572-5\_10

Davis AS, Clague DA. 2003. Hyaloclastite from Miocene seamounts offshore central California: compositions, eruption styles, and depositional processes. *Geophysical Monograph*. American Geophysical Union. p. 129-142.

DeVogelaere AP, Burton EJ, Trejo T, King CE, Clague DA, Tamburri MN, Cailliet GM, Kochevar RE, Douros WJ. 2005. Deep-sea corals and resource protection at the Davidson Seamount,

California, U.S.A. In: Freiwald A, Roberts JM, editors. *Cold-water Corals and Ecosystems*. Berlin Heidelberg: Springer-Verlag. p. 1189-1198.

DeVogelaere AP, Kochevar RE, Tamburri MN, Cailliet GM, Burton EJ, Benson SR, Douros WJ. 2005. Exploring the Davidson Seamount: Combining Science, Public Outreach, and Resource Management. In: Magoon OT, Converse H, Baird B, Jines B, Miller-Henson M, editors. *California and the World Ocean '02: Revisiting and Revising California's Ocean Agenda*. Reston, Virginia: American Society of Civil Engineers p. 371-376.

Dziak RP, Park M, Matsumoto H, Bohnenstiehl DR, Haxel JH, Stafford KM, Mellinger D, Lee WS. 2008. Hydracoustic monitoring of the Bransfield Strait Antarctica: A first look at seafloor seismicity, cryogenic acoustic sources and cetacean vocalizations. In: Team tIE, editor. *Earth Sciences Symposium*. National Academy of Sciences Press.

Etnoyer P, Morgan L. 2005. Habitat-forming deep-sea corals in the Northeast Pacific Ocean. In: Freiwald A, Roberts JM, editors. *Cold-Water Corals and Ecosystems*. Springer Berlin Heidelberg. p. 331-343. doi:10.1007/3-540-27673-4\_16

Fothergill A. 2006. *Planet Earth*. Berkeley, CA: University of California Press. p. 312.

Grimes CB, Yoklavich MM, Wakefield W, Greene HG. 2005. Using lasers to investigate deepwater habitats in the Monterey Bay National Marine Sanctuary off central California. In: Barnes PW, Thomas JP, editors. *Benthic habitats and the effects of fishing*. Bethesda, Maryland: American Fisheries Society. p. 204.

Gusick AE, Faught M. 2011. Prehistoric Archaeology Underwater: A Nascent Subdiscipline Critical to Understanding Early Coastal Occupations and Migration Routes. In: Bicho N, Haws J, Davis L, editors. *Trekking the Shore: Changing Coastlines and the Antiquity of Coastal Settlement*. Dodrecht: Springer.

Josephson EA, Smith TD, Reeves RR. 2005. Depletion within a decade: The American 19th-century North Pacific right whale fishery. In: Starkey DJ, Holm P, Bernard M, editors. *Oceans Past: Management Insights from the History of Marine Animal Populations*. London: Earthscan. p. 133-147.

Love MS, Yoklavich MY, Thorsteinson L. 2002. *The rockfishes of northeast Pacific*. Berkeley and Los Angeles, CA: University of California Press.

Marx D, Lawrence M. 2007. Gerry E. Studds Stellwagen Bank National Marine Sanctuary. In: Terrell B, editor. *Fathoming Our Past: Historical Contexts of the National Marine Sanctuaries*. Silver Spring, MD: NOAA.

Menot L, Sibuet M, Carney RS, Levin LA, Rowe GT, Billett DSM, Poore G, Kitazato H, Vanreusel A, Galéron J et al. . 2010. New Perceptions of Continental Margin Biodiversity. In: McIntyre AD, editor. *Life in the world's oceans: diversity, distribution and abundance*. London: Wiley-Blackwell. p. 79-101.

Messing CG, Reed JK, Brooke SD, Ross SW. 2008. Deep-water coral reefs of the United States. In: Riegl BM, Dodge RE, editors. *Coral Reefs of the USA*. Springer. p. 767-791.

Morgan L, Etnoyer P, Scholz A, Mertens M, Powell M. 2005. Conservation and management implications of deep-sea coral and fishing effort distributions in the Northeast Pacific Ocean. In: Freiwald A, Roberts JM, editors. *Cold-Water Corals and Ecosystems*. Springer Berlin Heidelberg. p. 1171-1187. doi:10.1007/3-540-27673-4\_60

Morrison CL, Johnson RL, King TL, Ross SW, Nizinski MS. 2007. Molecular Assessment of Deep-sea Scleractinian Coral Biodiversity and Population Structure of *Lophelia pertusa* in the Gulf of Mexico. In: Sulak KJ, Randall M, Luke KE, Norem AD, Miller JM, editors. *Characterization of Northern Gulf of Mexico Deepwater Hard Bottom Communities with Emphasis on Lophelia Coral - Lophelia Reef Megafaunal Community Structure, Biotopes, Genetics, Microbial Ecology, and Geology (2004-2006)*. U.S. Geological Survey Open-File Report 2008-1148.

Nybakken JW, Bertness MD. 2005. *Marine Biology: An Ecological Approach*. San Francisco, CA: Benjamin Cummings. p. 592.

Parrish FA, Baco AR. 2007. State of deep coral ecosystems in the U.S. Pacific Islands Region: Hawaii and the U.S. Pacific territories. In: Lumsden SE HT, Bruckner AW, and Dorr G, editor. *The State of deep coral ecosystems of the United States: 2007* NOAA Tech. Memo CRCP-3. Silver Spring Maryland: NOAA. p. 365.

Pester NJ, Butterfield DA, Foustoukos DI, Roe KK, Ding K, Shank TM, Seyfried WE. 2008. The chemistry of diffuse-flow vent fluids on the Galápagos Rift (86°W): temporal variability and seafloor phase equilibria controls. . *Magma to Microbe: Modeling Hydrothermal Processes at Oceanic Spreading Centers*. AGU: Geophysical Monograph Series #178. p. 123-144.

Puglise KA, Brock RJ, McDonough JJ. 2005. Identifying critical information needs and developing institutional partnerships to further the understanding of Atlantic deep-sea coral ecosystems. In: Freiwald A, Roberts JM, editors. *Cold-Water Corals and Ecosystems*. Springer Berlin Heidelberg. p. 1129-1140. doi:10.1007/3-540-27673-4\_57

Romsos C, Goldfinger C, Robison R, Milstein RL, Wakefield WW. 2008. Development of a regional seafloor surficial geologic habitat map for the continental margins of Oregon and

- Washington, USA. In: Todd BJ, Greene HG, editors. Mapping the Seafloor for Habitat Characterization, Special Paper 47. Geological Association of Canada. p. 219-243.
- Ross SW, Nizinski MS. 2007. State of Deep Coral Ecosystems in the U.S. Southeast Region: Cape Hatteras to southeastern Florida. In: Lumsden SE, Hourigan TF, Bruckner AW, Dorr G, editors. The State of Deep Coral Ecosystems of the United States. Silver Spring, MD: NOAA. p. 233-270.
- Schroeder WW, Brooke SD, Olson J, Phaneuf B, McDonough J, Etnoyer P. 2005. Occurrence of deep-water *Lophelia pertusa* and *Madrepora oculata* in the Gulf of Mexico. Cold-Water Corals and Ecosystems. Berlin, Germany: Springer Berlin Heidelberg. doi:<http://dx.doi.org/10.1007/3-540-27673-4>
- Smith J, Spalding H, Okano R, Smith CM. 2008. The Seaweed and Seagrass Communities of Molokai. In: M.E. Field, Cochran SA, Logan JB, Storlazzi CD, editors. Atlas of a fringing coral reef; Moloka`i, Hawai`i, U.S. Geological Survey Scientific Investigations Report. p. 2007-5101.
- Spalding H. 2008. Halimeda meadows in Hawaii. In: Vermeij M, editor. Coral Reefs of Maui: status, stressors and suggestions. p. 60.
- Tissot BN, Wakefield WW, Hixon MA, Clemons JER. 2008. Twenty years of fish-habitat studies on Heceta Bank, Oregon. In: Reynolds JR, Greene HG, editors. Marine habitat mapping technology for Alaska. Fairbanks, Alaska: Alaska Sea Grant College Program, University of Alaska Fairbanks.
- Trembanis A, Nebel S, Skarke A, Coleman DF, Ballard RD, Yankovsky A, Buynevich IV, Voronov S. 2011. Bedforms, coastal-trapped waves, and scour process observations from the continental shelf of the northern Black Sea. In: Buynevich IV, Yanko-Hombach V, Gilbert AS, Martin RE, editors. Geology and Geoarchaeology of the Black Sea Region: Beyond the Flood Hypothesis. GSA Special Papers 473. p. 165-178.
- Watling L. 2010. Notes on the habitat of the deep-sea caridean shrimp, *Bathypalaemonella serratipalma* Pequegnat. In: Fransen C, de Grave S, Ng P, editors. Studies on Malacostraca: Lipke Bijdeley Holthuis Memorial Volume. Brill Academic Publishing. p. 707-714.
- Watling L, Auster P. 2005. Distribution of deep-water Alcyonacea off the Northeast Coast of the United States. In: Freiwald A, Roberts JM, editors. Cold-Water Corals and Ecosystems. Springer Berlin Heidelberg. p. 279-296. doi:[10.1007/3-540-27673-4\\_13](https://doi.org/10.1007/3-540-27673-4_13)
- Watling L, France SC, Pante E, Simpson A. 2011. Chapter Two - Biology of Deep-Water Octocorals. In: Michael L, editor. Advances in Marine Biology. Academic Press. p. 41-122. doi:[10.1016/b978-0-12-385529-9.00002-0](https://doi.org/10.1016/b978-0-12-385529-9.00002-0)

Whitmire CE, Embley RW, Wakefield WW, Merle SG, Tissot BN. 2008. Characterizing benthic habitats at Heceta Bank, Oregon. In: Todd BJ, Greene HG, editors. Mapping the Seafloor for Habitat Characterization. Geological Association of Canada. p. 111-126.

Yoklavich MM. 2005. Using video observations from submersibles and laser line scanners to survey benthic fishes, macro-invertebrates and habitat types in deepwater off California. In: Somerton DA, Glendhill CT, editors. Report of the National Marine Fisheries Service Workshop on Underwater Video Analysis, August 4-6 2004. p. 19-23.

Yoklavich MM, O'Connell V. 2008. Twenty Years of Research on Demersal Communities using the Delta Submersible in the Northeast Pacific. In: Reynolds JR, Greene HG, editors. Marine Habitat Mapping Technology for Alaska. Fairbanks, AK: Alaska Sea Grant College Program, University of Alaska Fairbanks. p. 143-155. doi:10.4027/mhmta.2008.10

## Theses and Dissertations (n=20)

Buckman KL. 2009. Biotic and Abiotic Interactions of Deep-Sea Hydrothermal Vent-Endemic Fish on the East Pacific Rise [PhD]. Massachusetts Institute of Technology.

Casazza TL. 2008. Community Structure and Diets of Fishes associated with Pelagic Sargassum and Open-Water Habitats off North Carolina [M.S.]. [Wilmington, NC]: University of North Carolina Wilmington. p. 149.

Chaytor JD. 2006. Diffuse deformation patterns along the North American plate boundary zone, offshore western United States [PhD]. Oregon State University.

Cho WW. 2008. Faunal Biogeography Community Structure and Genetic Connectivity of North Atlantic Seamounts [PhD]. Massachusetts Institute of Technology, Woods Hole Oceanographic Institution.

Fusaro AJ. 2008. Spatial and temporal population genetics at deep-sea hydrothermal vents along the East Pacific Rise and Galápagos Rift [PhD]. Massachusetts Institute of Technology.

Hart TD. 2004. Diel activity patterns in demersal fishes on Heceta Bank, Oregon [M.S.]. [Corvallis, Oregon]: Oregon State University.

Lanier AS. 2006. A Comparison of Seafloor Sonar Classification Methods Through the use of Error Matrices and 3 Dimensional GIS Visualization: A Multibeam Sonar Investigation of Nehalem Bank, Oregon [M.S.]. [Corvallis, OR]: Oregon State University. p. 120.



- Lundsten L. 2007. The biogeography and distribution of megafauna at three California seamounts [M.S.]. Moss Landing Marine Laboratories, California State University Monterey Bay. p. 73.
- Mosher CV. 2008. Commensalism and Reproductive Biology of the Brittle Star *Ophiocreas Oedipus* associated with the Octocoral *Melanotrachos* on the New England and Corner Rise Seamounts [M.S.]. University of Maine.
- Page SRF. 2003. Determining the Age and Ecological Significance of *Isidella*, a deep-sea isidid coral from the Gulf of Alaska. [B.S.]. [Santa Cruz, Calif.]: University of California, Santa Cruz.
- Potter J. 2003. Building an integrated science program: NOAA Ocean Exploration proposal process [M.S.]. Duke University.
- Puniwai NP. 2002. Spatial and temporal distribution of the crinoid, *Florometra serratissima* on the Oregon continental shelf [M.S.]. [Vancouver, Washington]: Washington State University.
- Roark EB. 2005. Biogeochemical proxies of environmental change in surface and deep-sea corals from the Pacific [PhD]. [Berkeley, Calif.]: University of California, Berkeley.
- Romsos CG. 2004. Mapping Surficial Geologic Habitats of the Oregon continental margin using integrated interpretive GIS techniques [M.S.]. [Corvallis]: Oregon State University. p. 87.
- Schobernd CM. 2006. Submersible observations of southeastern U.S. deep reef fish assemblages: habitat characteristics, spatial and temporal variation, and reproductive behavior [M.S.]. College of Charleston. p. 115.
- Speed CW. 2006. An information-theoretic assessment of spot-pattern matching software and its application to population estimates of whale sharks (*Rhincodon typus*) [B.S.]. Charles Darwin University.
- Strom NA. 2006. Structure-forming benthic invertebrates : habitat distributions on the continental margin of Oregon and Washington [M.S.]. [Corvallis, OR]: Oregon State University. p. 96.
- Whitmire CE. 2003. Using remote sensing, in situ observations, and geographic information systems to map benthic habitats at Heceta Bank, Oregon [M.S.]. Oregon State University.
- Wieber KS. 2008. Habitat associations of demersal fishes on the Charleston Bump and adjacent Blake Plateau [M.S.]. College of Charleston. p. 117.

York KJ. 2005. Resource partitioning in an assemblage of deep-water, demersal rockfish (*Sebastes* spp.) on the northeast Pacific continental shelf [M.S.]. [Vancouver, Washington]: Washington State University.

## Technical Reports (n=46)

2005. A pilot survey of deepwater coral/sponge assemblages and their susceptibility to fishing/harvest impacts at the Olympic Coast National Marine Sanctuary (OCNMS). National Oceanic and Atmospheric Administration. NOAA Technical Memorandum No. NOAA Technical Memorandum NOS NCCOS 15.

2006. Davidson Seamount Action Plan. Monterey, California: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, National Marine Sanctuary Program.

2006. Davidson Seamount Action Plan Summary. Monterey, California.

2006. Report of the working group on deep water ecology (WGDEC). International Council for Exploration of the Seas, Advisory Committee on Ecosystems.

2007. Draft International Guidelines on the Management of Deep-sea Fisheries in the High Seas. Rome: United Nations Food and Agriculture Organization.

2007. Old-growth forests of the deep sea.

2007. Report of the working group on deep water ecology (WGDEC). International Council for Exploration of the Seas, Advisory Committee on Ecosystems.

2008. Report of the working group on deep water ecology (WGDEC). International Council for Exploration of the Seas, Advisory Committee on Ecosystems.

2008. Report to Congress on the Implementation of the Deep Sea Coral Research and Technology Program. Silver Spring, MD: US Department of Commerce, NOAA, NMFS, Coral Reef Conservation Program. Report to Congress.

Andrews AH, Lundstrom CC, Cailliet GM, DeVogelaere AP. 2007. Investigations of bamboo coral age and growth from Davidson Seamount. Moss Landing Marine Laboratories. A technical report to the Monterey Bay National Marine Sanctuary.

Babb IG, Cowie-Haskell BD, Terrell B. 2005. Submerged Cultural Resource Investigations in the Stellwagen Bank National Marine Sanctuary. Silver Spring, Md.: NOAA.

- Bowlby CE. 2007. Observations of deep coral and sponge assemblages in Olympic Coast National Marine Sanctuary, Washington. Silver Spring, MD: NOAA, National Ocean Service, National Marine Sanctuary Program. No. NMSP-07-04.
- Brancato MS, Bowlby CE, Hyland J, Intelmann S, Brenkman KJ. 2007. Observations of deep coral and sponge assemblages in Olympic Coast National Marine Sanctuary, Washington. Silver Spring, MD: NOAA, National Ocean Service, National Marine Sanctuary Program. No. NMSP-07-04.
- Burton EJ, Lundsten L. IN PREP. Davidson Seamount Taxonomic Guide.
- Butman B, Twichell DC, Rona PA, Tucholke BE, Middleton TJ, Robb JM. 2006. Sea Floor Topography and Backscatter Intensity of the Hudson Canyon Region Offshore of New York and New Jersey. Herndon, VA: US Geological Survey Open-File Report. No. 2004-1441.
- Cairns SD. 2011. A Revision of the Primnoida (Octocorallia: Alcyonacea) from the Aleutian Islands and Bering Sea. Washington DC: Smithsonian Institution Scholarly Press.
- Church R, Daniel W, Cullimore R, Johnston L, Kilgour MJ, Moore J, Morris N, Patterson W, Schroeder WW, Shirley TC. 2007. Archaeological and Biological Analysis of World War II Shipwrecks in the Gulf of Mexico: Artificial Reef Effect in Deepwater. New Orleans, LA: U.S. Dept. of the Interior, Minerals Management Service.
- Church RA, Warren DJ, Weirich JB, Ball DA. Return to the U-166: Working Together to Meet the Challenge of Deepwater Archaeology.
- Clark MR, Tittensor D, Rogers AD, Brewin P, Schlacher T, Rowden A, Stocks K, Consalvey M. 2006. Seamounts, deep-sea corals and fisheries: vulnerability of deep-sea corals to fishing on seamounts beyond areas of national jurisdiction. Cambridge, UK: UNEP-WCMC.
- CSA International Inc. 2007. Characterization of northern Gulf of Mexico deepwater hard bottom communities with emphasis on *Lophelia* coral. New Orleans, LA: U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region.
- Douros WJ. 2002. Exploring the Davidson Seamount.
- Etnoyer P, Cairns SD, Sanchez JA, Reed JK, Lopez JV, Schroeder WW, Brooke SD, Watling L, Baco-Taylor A, Williams GC et al. . 2006. Deep-sea coral collection protocols. Silver Spring, Md.: NOAA.
- Flood RD. 2004. Exploring the Maritime Archaeology of the Hudson River: Looking Beneath the Surface to a Revolutionary Past.

- Freiwald A, Fossa JH, Grehan A, Koslow T, Roberts JM. 2004. Cold-water Coral Reefs. Cambridge, UK: UNEP-WCMC.
- Gardner JV, Malik M. 2009. Cruise EX0903: U.S. Law of the Sea Cruise to Map the Eastern Mendocino Ridge, Eastern Pacific Ocean. No. UNH-CCOM/JHC Technical Report 09-001.
- Guilderson TP. 2002. Annual to Centennial Climate Variability Recorded in Gulf of Alaska Deep-Sea Corals and Sclerosponges: A mid-depth view of ocean dynamics and primary productivity. University of California, Santa Cruz; Stanford University; University of California, Berkeley.
- Hyland J, Cooksey C, Bowlby CE, Brancato MS, Intelmann S. 2005. A pilot survey of deepwater coral/sponge assemblages and their susceptibility to fishing/harvest impacts at the Olympic Coast National Marine Sanctuary (OCNMS). National Oceanic and Atmospheric Administration. NOAA Technical Memorandum No. NOAA Technical Memorandum NOS NCCOS 15.
- Kaneko JJ, Bell JW, Hawn DR. 2004. Verification of a HACCP-based Strategy for the Control of Histamine for the Fresh Tuna Industry. NOAA. No. Project Report NOAA Award No. NA16FD2472.
- Lumsden SE, Hourigan TF, Bruckner AW, Dorr G. 2007. The State of Deep Coral Ecosystems of the United States. Silver Spring, MD.
- Lund JN, Josephson EA, Reeves RR, Smith TD. 2008. American Offshore Whaling Voyages: A Database.
- McConnaughey RA, Olson J, Sigler MF. 2009. Alaska Fisheries Science Center essential fish habitat data inventory. Alaska Fisheries Science Center, Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE, Seattle WA 98115.
- Morgan LE, Tsao C-F, Guinotte JM. 2006. Status of Deep Sea Corals in US Waters, with Recommendations for their Conservation and Management. Bellevue, WA: Marine Conservation Biology Institute.
- Olson JB, Brooke SD, Phaneuf B, Schroeder WW. An Evaluation Of The Innovator ROV As A Tool For Deepwater Coral Research.
- Partyka ML, Ross SW, Quattrini A, Sedberry G, Birdsong TW, Potter J, Gottfried S. 2007. Southeastern United States Deep-Sea Corals (SEADESC) Initiative: A Collaboration to Characterize Areas of Habitat Forming Deep-Sea Corals. Silver Spring, MD: NOAA Technical Memorandum OAR OER 1.
- Puglise KA, Hinderstein LM, Marr JCA, Dowgiallo MJ, Martinez FA. 2009. Mesophotic Coral Ecosystems Research Strategy: International Workshop to Prioritize Research and Management

Needs for Mesophotic Coral Ecosystems. Silver Spring, MD: NOAA National Centers for Coastal Ocean Science, Center for Sponsored Coastal Ocean Research, and Office of Ocean Exploration and Research, NOAA Undersea Research Program.

Roberts S, Aguilar R, Warrenchuk J, Hudson C, Hirshfield M. 2005. Deep sea life: On the edge of the abyss. Oceana.

Roberts S, Hirshfield M. 2003. Deep-sea corals: out of sight, but no longer out of mind. Washington, D.C.: Oceana.

Ross SW. 2006. Review of distribution, habitats, and associated fauna of deep water coral reefs on the southeastern United States continental slope (North Carolina to Cape Canaveral, FL). Wilmington, NC: UNC-Wilmington, Center for Marine Science.

Sedberry GR, Andrus FT, Barans CA, Crowe SF, Fiore CL, Griffiin SB, Jutte PC, Sautter LR, Schobernd CM. 2005. Mounds, Depressions, Scarps and Caves: Exploration of Habitat and Species Diversity on the Charleston Bump and Blake Plateau. Charleston, South Carolina: South Carolina Department of Natural Resources: Marine Resources Research Institute.

Sedberry GR, Cooksey C, Crowe SF, Hyland J, Jutte P, Ralph CM, Sautter LR. 2004. Characterization of Deep Reef Habitat off the Southeastern U.S., with Particular Emphasis on Discovery, Exploration and Description of Reef Fish Spawning Sites. Charleston, SC: South Carolina Department of Natural Resources: Marine Resources Research Institute.

Sedberry GR, Weinbach P, Stephen JA, Machowski DJ, Loefer JK, dosReis D, Draganov K, Griffiin SB. 2005. GIS Analysis of Fishery-Independent Data in Relation to Definition of Essential Fish Habitat, Habitat Areas of Particular Concern, and Marine Protected Areas in the South Atlantic Bight. Charleston SC: South Carolina Department of Natural Resources.

Stancyk SE, Helmuth B, Sautter LR, Styles R. 2005. Final Report: Benthic Ecosystem Characterization of the Charleston Bump (2003).

Stokes MD, Leichter JJ, Genovese SJ. 2010. Long-Term Declines in Coral Cover at Bonaire, Netherlands Antilles. Washington, DC: Smithsonian Institution, National Museum of Natural History.

Warren DJ, Church R, Cullimore R, Johnston L. 2004. Rov Investigations Of The DKM U-166 Shipwreck Site To Document The Archaeological And Biological Aspects Of The Wreck Site: Final Performance Report. Lafayette, LA: C&C Technologies Survey Services.

Woolsey M, Asper V, Diercks A, Mcletchie K. 2010. Enhancing NIUST's SeaBED Class AUV, Mola Mola. National Institute for Undersea Science and Technology Publication.

Woolsey M, Diercks A, Asper V. 2010. Mola Mola, NIUST's Low-Altitude Photo and Multibeam AUV. National Institute for Undersea Science and Technology.

## Conference Proceedings (n=266)

Adovasio JM, Hemmings CA. 2009. Inner Continental Shelf Archaeology in the Northeast Gulf of Mexico. 74th Annual Meeting of the Society for American Archaeology. Atlanta, Georgia.

Adovasio JM, Hemmings CA, Wells BC, Illingworth JE. 2010. Geoarchaeological Explorations on the Inner-Continental Shelf of the Florida Gulf of Mexico. 75th Annual Meeting of the Society for American Archaeology. St. Louis, Missouri.

Anderson D, Cumberpatch ML, Beattie JA, Fiolek A. 2003. Digital video needs for oceanographic images for the National Oceanic and Atmospheric Administration (NOAA): phase 2. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003. p. 1292-1296 Vol.3.  
doi:10.1109/OCEANS.2003.178044

Andrews AH, Tracey DM, Neil H, Cailliet GM, Brooks CM. 2005. Lead-210 dating bamboo coral (Family Isididae) of New Zealand and California (oral presentation). 3rd International Symposium on Deep-Sea Corals. Miami, Florida.

Auster PJ, Heinonen K, Moore JA. 2005. The Distribution of Fishes Over Seamount Landscapes in the Western North Atlantic Ocean (poster presentation). In. 3rd Deep-Sea Coral Symposium; 2005; Miami, Fla.

Auster PJ, Moore JA, Heinonen B, Hecker B, Janssen J. 2008. Species composition and foraging-related behaviors of deep-sea fishes from submarine canyons and seamounts in the northwest Atlantic based on direct observations. 4th International Symposium on Deep Sea Corals. Wellington, New Zealand.

Baker ET, Embley RW, Resing JA, Lupton JE, Massoth GJ, de Ronde CEJ, Nakamura K, Walker SL. 2003. Discovery of Active Hydrothermal Sites Along the Mariana Volcanic Arc, Western Pacific Ocean. In. American Geophysical Union, Fall Meeting 2003, abstract #T32A-0914; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Basu NK, Stern RJ, Leybourne MI, Manton WI, Chadwick WW, Embley RW. 2004. Volcanology and Petrochemistry of West Rota Caldera, Southern Mariana Arc. In. American Geophysical Union, Fall Meeting 2004, abstract #V41B-1385; 2004: EOS, Transactions of the American Geophysical Union.

- Beattie JA, Beard RH, Crane ML. 2002. National Oceanic and Atmospheric Administration (NOAA) Office of Ocean Exploration's (OE) video server: the library portal. In. OCEANS '02 MTS/IEEE; 29-31 Oct. 2002 2002. p. 1946-1948 vol.4. doi:10.1109/OCEANS.2002.1191930
- Beaulieu SE, Shank TM, Soule SA, Fornari D, Rzhano Y, Mayer L. 2006. Automated generation of geo-referenced mosaics from video collected by deepsubmergence vehicles: an example from Rosebud vent (Galapagos Rift). Deep-Sea Biology Symposium
- Benfield MC. 2007. Gulf SERPENT: Development of a deep-sea plankton observation system in the Gulf of Mexico using industrial ROVs. In. International Council for the Exploration of the Sea (ICES) 2007 Annual Science Conference; 2007; Helsinki, Finland. p. F:09.
- Bergstad OA, Falkenhaus T. 2005. Patterns and Processes of the Ecosystems of the Northern Mid-Atlantic (MAR-ECO project)—an international Census of Marine Life project on deep-sea biodiversity. In: Shotton R, editor. Deep Sea 2003: Conference on the Governance and Management of Deep-sea Fisheries. Part 1: Conference reports. FAO Fisheries Proceedings No. 3/1. Queenstown, New Zealand.
- Biddanda BA, Johengen TH, Ruberg S, Rediske R, Kendall S, Meadows G, Coleman DF. 2004. Ecology of a Submerged Sinkhole in Lake Huron: Is There Evidence of Chemosynthesis and Chemosynthesis-Based Heterotrophic Production? . In. ASLO Summer Meeting; 2004.
- Billings A, Fornari D. 2002. A New Towed Digital DeepSea Camera and Multi-Rock Coring System: The WHOI TowCam. Transactions of the American Geological Union 83, Fall Meeting.
- Bowen AD, Yoerger DR, Taylor C, McCabe R, Howland J, Gomez-Ibanez D, Kinsey JC, Heintz M, McDonald G, Peters DB et al. . 2009. Field trials of the Nereus hybrid underwater robotic vehicle in the challenger deep of the Mariana Trench. In. OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges; 26-29 Oct. 2009 2009. p. 1-10.
- Bowlby CE. 2006. Observations on Deep Coral Communities off the Olympic Coast. . In. Presentation to the Olympic Coast National Marine Sanctuary Advisory Council. ; 2006; Forks, WA.
- Bowlby CE. 2007. Observations of Deep Coral and Sponge Communities in the Olympic Coast National Marine Sanctuary. . In. Presentation to the Pacific Fishery Management Council. ; 2007; Portland , OR.
- Bowlby CE, Brancato MS. 2007. Explorations for Deep Coral Communities in Olympic Coast National Marine Sanctuary. . In. Presentation to Peninsula College's Studium Generale Series.; 2007; Port Angeles, WA.

Bowlby CE, Brancato MS, Hyland J. 2008. Management implications from recent deepsea coral/sponge findings in the Olympic Coast National Marine Sanctuary, USA. In. Poster presentation given at 4th International Symposium on Deepsea Corals, hosted by National Institute of Water & Atmospheric Research (NIWA); December 1-5, 2008 2008; Wellington, New Zealand.

Bowlby CE, Brancato MS, Hyland J, Intelmann S. 2007. Olympic Coast Deep Sea Coral Ecosystems and the National Marine Sanctuary Program. . In. Presentation at the annual American Fisheries Society meeting. ; 2007; San Francisco, CA.

Brancato MS, Bowlby CE. 2006. Preliminary Observations of Deep Coral Communities in Olympic Coast National Marine Sanctuary. . In. Presentation to the docents of the Olympic Coast Discovery Center; 2006; Port Angeles, WA.

Brancato MS, Bowlby CE. 2007. Explorations for Deep Coral Communities in Olympic Coast National Marine Sanctuary. . In. Presentation to the Port Townsend Marine Science Center; 2007; Port Townsend, WA.

Brancato MS, Bowlby CE, Hyland J. 2008. Observations of deep coral and sponge assemblages in Olympic Coast National Marine Sanctuary, USA and a comparison of community structure in clusters of biogenic structure versus non-biogenic structure. . In. Poster presentation given at 4th International Symposium on Deepsea Corals, hosted by National Institute of Water & Atmospheric Research (NIWA); December 1-5, 2008 2008; Wellington, New Zealand.

Broadwater J. 2003. The race to save the monitor. In. IEEE OCEANS 2003 Proceedings; 2003. p. 1499.

Brouwer M, Puglisi MP, Reed JK, Ross SW, Udouj T. 2008. Managing deepwater coral ecosystems off the southeastern United States. Fourth International Deep Sea Coral Symposium. New Zealand. p. p.135.

Burton EJ, DeVogelaere AP, Kochevar RE, Cailliet GM, Trejo T, Benson SR, Clague DA, Tamburri MN, Douros WJ. 2003. Exploring Davidson Seamount: Biological Characterization And Protection (poster presentation). 10th Deep-Sea Biology Symposium. Coos Bay, Oregon.

Burton EJ, DeVogelaere AP, Kochevar RE, Cailliet GM, Trejo T, Benson SR, Clague DA, Tamburri MN, Douros WJ. 2003. Exploring Davidson Seamount: Biological Characterization And Protection (poster presentation). 84th Western Society of Naturalist. Long Beach, California.

Butterfield DA, al. e. 2007. Overview of Hydrothermal Systems on the Mariana Volcanic Arc. NSF-MARGINS Subduction Factory Workshop. Honolulu, HI.



Butterfield DA, Embley RW, Chadwick WW, Lupton JE, Nakamura K, Takano B, de Ronde C, Resing J, Bolton S, Baross J. 2006. Up-Close Fluid Sampling at a Deep Submarine Lava Eruption. In. American Geophysical Union, Fall Meeting 2006, abstract #V13C-07; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Butterfield DA, Resing JA, Chadwick WW, Embley RW, Lupton JE, Nakamura K, Lilley MD, Huber JA. 2007. Sulfur Lakes and Sulfur-rich Volcanic Hydrothermal Systems on the Mariana Arc. In. American Geophysical Union, Fall Meeting 2007, abstract #V34B-03; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.

Butterfield DA, Roe KK, Bolton SA, Baross JA, Lupton JE, Lilley MD, Embley RW, Chadwick WW, Resing JA. 2004. Overview of Vent Fluid Chemistry From the Marianas Volcanic Arc. In. American Geophysical Union, Fall Meeting 2004, abstract #V44A-01; Fall Meet. Suppl 2004: EOS, Transactions of the American Geophysical Union.

Cairns SD. 2006. Studies on western Atlantic Octocorallia (Coelenterata: Anthozoa). Part 6: The genera *Primnoella* Gray, 1858; *Thouarella* Gray, 1870; *Dasystenella* Versluys, 1906. In. Proceedings of the Biological Society of Washington 2006. p. 161-194.

Camilli R, Mallios A, Sakellariou D, Bingham B, Eustice R, Goudreau J. 2009. Real-time in-situ chemical and localization sensors integration in human occupied submersible for studying hydrothermal vents. In. Proceedings of the 9th Hellenic Symposium of Oceanography and Fishery; May 2009. p. 123-127.

Carney RS. 2010. A Comparison of Methods for Image-Based Exploration of Deep Soft Bottom Habitats. In. 2010 AGU Ocean Sciences Meeting, abstract #IT21B-03; 22-26 Feb 2010 2010.

Chadwick WW, Cashman KV, Embley RW, Dziak RP, de Ronde CEJ, Matsumoto H, Deardorff N, Merle SG. 2007. Submarine Strombolian Eruptions Observed at NW Rota-1 Volcano, Mariana Arc. In. American Geophysical Union, Fall Meeting 2007, abstract #V21C-0728; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.

Chadwick WW, Cashman KV, Embley RW, Matsumoto H, Dziak RP, de Ronde CEJ, Lau T-K, Deardorff N, Merle SG. 2008. Direct Video and Hydrophone Observations of Submarine Explosive Eruptions at NW Rota-1 Volcano, Mariana Arc. IAVCEI 2008 General Assembly. Reykjavik, Iceland.

Chadwick WW, Embley RW, de Ronde CEJ, Deardorff ND, Matsumoto H, Cashman KV, Dziak RP, Merle SG. 2006. Direct Observations of Explosive Eruptive Activity at a Submarine Volcano, NW Rota-1, Mariana Arc. In. American Geophysical Union, Fall Meeting 2006, abstract #V13C-06; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Chadwick WW, Embley RW, de Ronde CEJ, Stern RJ, Hein J, Merle SG, Ristau S. 2004. The Geologic Setting of Hydrothermal Vents at Mariana Arc Submarine Volcanoes: High-Resolution Bathymetry and ROV Observations. In. American Geophysical Union, Fall Meeting 2004, abstract #V43F-06; Fall Meet. Suppl. 2004: EOS, Transactions of the American Geophysical Union.

Chadwick WW, Johnson PD, Embley RW, Merle SG, Ristau S. 2003. The submarine flanks of Anatahan volcano. In. American Geophysical Union, Fall Meeting 2003, abstract #V32B-1017; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Chadwick WW, Wright IC, de Ronde CEJ, Reymond D, Hyvernaud O, Bannister S, Stoffers P. 2005. Collapse and Re-growth of Monowai Submarine Volcano, Kermadec Arc, 1998-2004. In. American Geophysical Union, Fall Meeting 2005, abstract #V13F-03; Fall Meet. Suppl. 2005: EOS, Transactions of the American Geophysical Union.

Church RA, Irion JB, Schroeder WW, Warren DJ. 2006. Biological and Archaeological Analysis of Deepwater Shipwrecks in the Gulf of Mexico: Studying the Artificial Reef Effect of Six World War II Shipwrecks. American Geophysical Union, Fall Meeting 2006.

Church RA, Warren DJ, Westrick RF. 2010. Deep-water Archaeology in the Gulf of Mexico: Findings from the 2009 Field Season of the Reefs, Rigs, and Wrecks Study. 2010 AGU Ocean Sciences Meeting.

Church RA, Warren DJ, Westrick RF. 2010. Reefs, rigs, and wrecks: The 2009 field season of deep-water archaeology in the Gulf of Mexico. In. OCEANS 2010; 20-23 Sept. 2010 2010. p. 1-4. doi:10.1109/OCEANS.2010.5664410

Coleman DF. 2004. Sinkhole Surveys in Northwestern Lake Huron for Prehistoric Underwater Archaeology. In. SAA Annual Meeting; 2004.

Coleman DF, Ballard RD. 2005. Live Educational Outreach for Ocean Exploration: High-Bandwidth Ship-to-Shore Broadcasts Using Internet2. In. American Geophysical Union, Fall Meeting 2005; 2005.

Coleman DF, Ballard RD, Gray J. 2004. Exploration and Archaeological Survey of Thunder Bay National Marine Sanctuary. In. SHA Annual Meeting; 2004.

Coleman DF, Ballard RD, Gregory T. 2003. Marine archaeological exploration of the Black Sea. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1287-1291 Vol.3. doi:10.1109/OCEANS.2003.178043

- Collins DW, Rutz SB. 2005. The NODC Archive Management System: archiving marine data for ocean exploration and beyond. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 2820-2823 Vol. 3. doi:10.1109/OCEANS.2005.1640202
- Cook SB. 2003. The Centers for Ocean Science Education Excellence (COSEE) initiative: a network-wide perspective. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1278 Vol.3. doi:10.1109/OCEANS.2003.178036
- Crook KA. 2003. HURL's 2003 OE and NURP Deep Submergence Science Program in the NW and Main Hawaiian Islands and Projects Planned for 2004-2006. In. American Geophysical Union, Fall Meeting 2003; 2003.
- Culter JK. 2006. Exploration of the West Florida Shelf Blue Holes Investigation of Physical and Biological Characteristics and Archaeological Implications of Unique Karst Features. In. American Geophysical Union, Fall Meeting 2006; 2006.
- Damour M. 2011. BOEMRE's Environmental Studies Program: Utilizing Science to Inform Decisionmaking and Environmental Analyses Related to Production and Development of Oil and Gas and Renewable Energy Resources on the Outer Continental Shelf (OCS). Offshore Technology Conference. Houston, Texas, USA.
- Davis AS, Clague DA, Paduan JB, Cousens BL, Huard J. 2007. Origin of Volcanic Seamounts Offshore California Related to Interaction of Abandoned Spreading Centers with the Continental Margin. In. American Geophysical Union, Fall Meeting 2007, abstract #V21B-0606; 10-14 December 2007 2007: EOS, Transactions of the American Geophysical Union.
- Davis RE, Moyer CL. 2004. Epsilon-proteobacterial dominance in microbial mats located at the Champagne hydrothermal vent site on NW Eifuku Volcano, Mariana Arc. In. American Geophysical Union, Fall Meeting 2004, abstract #V41B-1388; Fall Mtg. Suppl. 2004: EOS, Transactions of the American Geophysical Union.
- Davis RE, Moyer CL. 2005. Extreme spatial variability in microbial mat communities from submarine hydrothermal vents located at multiple volcanos along the Mariana Island Arc. In. American Geophysical Union, Fall Meeting 2005, abstract #V51C-1509; Fall Mtg. Suppl. 2005: EOS, Transactions of the American Geophysical Union.
- Davis RE, Moyer CL. 2008. Extreme spatial and temporal variability of hydrothermal microbial mat communities along the Mariana Island Arc and southern Mariana Backarc system. 12th International Symposium on Microbial Ecology.

de Leo FC, Smith CR, Vetter E, Rowden A. 2010. Submarine canyons as hotspots of deep-sea benthic biodiversity In. Proceedings from the 2010 AGU Ocean Sciences Meeting; 22-26 Feb 2010 2010.

de Ronde CEJ, Baker ET, Embley RW, Lupton JE, Butterfield DA, Massoth GJ, Faure K, Chadwick WW, Resing JA, Leybourne MI et al. . 2008. Submarine hydrothermal activity associated with intraoceanic arcs: large-scale distribution, venting styles and associated mineralization. IAVCEI. Reykjavik, Iceland.

de Ronde CEJ, Massoth GJ, Christenson BW, Butterfield DA, Ishibashi J, Hannington MD, Ditchburn BG, Embley RW, Lupton JE, Kamenetsky D et al. . 2006. Submarine Hydrothermal Activity and Gold-Rich Mineralization at Brothers Volcano, Southern Kermadec Arc, New Zealand. In. American Geophysical Union, Fall Meeting 2006, abstract #V31E-05; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

de Ronde CEJ, Massoth GJ, Ishibashi J, Embley RW, Lupton JE, Butterfield DA, Yamanaka T, Evans LJ, Takai K. 2005. First Submersible Dives on Brothers Volcano, Kermadec Arc, Offshore New Zealand. In. American Geophysical Union, Fall Meeting 2005, abstract #V51C-1490; Fall Meet. Suppl. 2005: EOS, Transactions of the American Geophysical Union.

Deardorff N, Cashman KV, Chadwick WW, Embley RW. 2007. Plume and Pyroclast Dynamics Observed During a Submarine Explosive Eruption at NW Rota-1, Mariana arc. In. American Geophysical Union, Fall Meeting 2007, abstract #V24B-07; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.

Deardorff N, Chadwick WW, Embley RW, Cashman KV. 2006. Submarine Explosive Eruptions: Physical Volcanology of NW Rota-1, Marianas. In. American Geophysical Union, Fall Meeting 2006, abstract #V23B-0609; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

DeVogelaere AP, Burton EJ, Kochevar RE, Cailliet GM, Clague DA, Tamburri MN, Douros WJ. 2003. Davidson Seamount: Biological characterization and protection (poster presentation). Threatened and Thriving Species: Lessons from the Sea, Monterey Bay National Marine Sanctuary Currents Symposium. California State University Monterey Bay, Seaside, California: MBNMS.

DeVogelaere AP, Burton EJ, McGonigal RH. 2005. Protecting deep-sea corals by including Davidson Seamount in the Monterey Bay National Marine Sanctuary (poster presentation). 3rd International Symposium on Deep-Sea Corals. Miami, Florida.

- DeVogelaere AP, Burton EJ, McGonigal RH. 2006. Protecting deep-sea corals by including Davidson Seamount in the Monterey Bay National Marine Sanctuary (oral presentation). California and the World Ocean '06. Long Beach, California.
- DeVogelaere AP, Burton EJ, McGonigal RH. 2006. Protecting deep-sea corals by including Davidson Seamount in the Monterey Bay National Marine Sanctuary (poster presentation). MBNMS Sanctuary Currents Symposium. Seaside, California.
- DeVogelaere AP, Kochevar RE, Tamburri MN, Cailliet GM, Burton EJ, Benson S, Douros WJ. 2005. Exploring the Davidson Seamount: combining science, public outreach, and resource management. In: Magoon OT, Converse H, Baird B, Jines B, Miller-Henson M, editors. California and the World Ocean '02 (Proceedings of the Conference). Reston, Virginia: American Society of Civil Engineers. p. 371-376.
- Diercks A, Asper V, Woolsey M, Williams JL, Cantelas F. 2010. NIUST AUV's study Shipwrecks in the Northern Gulf of Mexico. In. Autonomous Underwater Vehicles (AUV), 2010 IEEE/OES 2010; Monterey, CA: National Institute for Undersea Science and Technology Publication. p. 4. doi:10.1109/AUV.2010.5779679
- Diercks A, Asper VL, Woolsey M, Williams JL, Cantelas F, Camilli R, Rona P, Guida V, Macelloni L. 2010. NIUST AUVs - Expanding possibilities. In. OCEANS 2010; 20-23 Sept. 2010 2010. p. 1-6. doi:10.1109/OCEANS.2010.5664510
- Ding K, Seyfried WE, Zhang Z. 2002. An Effective Solid State Sensor for  $\{it In-situ\}$  Measurement of the Chemical and Thermal Environment Near Vent Biota - Preliminary Results from the Galapagos Expedition. Transactions of the American Geological Union 83, Fall Meeting.
- Ditchburn RG, de Ronde CEJ, Barry BJ, Embley RW, Chadwick WW, Hein JR. 2008. High-sulfidation submarine hydrothermal systems of the Mariana arc. Marine Minerals: Technological Solutions and Environmental Challenges, Underwater Mining Institute. Oxford, Mississippi.
- Dower J, al. e. 2006. Observations of Flatfish "Spas" From Three Hydrothermally Active Seamounts in the Mariana Arc. In. American Geophysical Union, Fall Meeting 2006, abstract #V32A-05; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.
- Dower J, Tunnicliffe V. 2005. Explorations among the hydrothermally and volcanically active seamounts of the Marianas Arc. European Marine Biological Assoc'n.
- Dziak R, Park M, Matsumoto H, Fox C, Byun S, Fowler M, Haxel J, Embley R. 2003. Hydroacoustic Records of the First Historical Eruption of Anatahan Volcano, Mariana Islands. In. American

Geophysical Union, Fall Meeting 2003, abstract #V32B-1016; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Dziak RP, Park M, Matsumoto H, Bohnenstiehl DR, Haxel JH, Stafford KM, Mellinger D, Lee WS. 2008. Hydroacoustic monitoring of the Bransfield Strait Antarctica: A first look at seafloor seismicity, cryogenic acoustic sources and cetacean vocalizations. In: Team tIE, editor. Online Proceedings for the 10th International Symposium on Antarctic Earth Sciences; 2008.

Dziak RP, Park M, Matsumoto H, Bohnenstiehl DR, Lee WS. 2007. International collaborative project; hydroacoustic monitoring of tectonic and volcanic activity within the Bransfield Strait and Western Scotia Sea, Antarctica. International Symposium. p. 148-151.

Eberli GP, Correa T, Massafero JL. 2008. Punctuated Stratigraphic Appearance of Cold-Water Coral Reefs. In. American Geophysical Union, Spring Meeting 2008, abstract #OS23A-06; 2008: EOS, Transactions of the American Geophysical Union.

Embley RW. 2006. Geological Framework for Mariana Hydrothermal Systems. In. American Geophysical Union, Fall Meeting 2006; 2006.

Embley RW, Baker ET. 2003. Explorations of active volcanic sites in the Pacific Ocean- Preliminary results from the Submarine Ring of Fire ocean exploration program. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1285 Vol.3. doi:10.1109/OCEANS.2003.178041

Embley RW, Baker ET, Baross JA, Bates AE, Yannick BC, Bradley AM, Butterfield DA, Chadwick WW, Cousens BL, Gillis KM et al. . 2002. Rediscovery and Exploration of Magic Mountain, Explorer Ridge, NE Pacific. In. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1264; Fall. Meet. Suppl. 2002: EOS, Transactions of the American Geophysical Union.

Embley RW, Baker ET, Butterfield DA, Chadwick WW, de Ronde CEJ, Dower J, Evans LJ, Hein J, Juniper SK, Lebon GT et al. . 2004. Active Volcanic and Hydrothermal Processes at NW Rota-1 Submarine Volcano: Mariana Volcanic Arc. In. American Geophysical Union, Fall Meeting 2004, abstract #V43F-05; Fall Meet. Suppl. 2004: EOS, Transactions of the American Geophysical Union.

Embley RW, Chadwick WW, Baker ET, Johnson PD, Merle SG, Ristau S. 2003. New mapping of Mariana submarine volcanoes with sidescan and multibeam sonars. In. American Geophysical Union, Fall Meeting 2003, abstract #T32A-0913; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Embley RW, Chadwick WW, Stern RJ, Merle SG, Bloomer SH, Nakamura K, Tamura Y. 2006. A Synthesis of Multibeam Bathymetry and Backscatter, and Sidescan Sonar of the Mariana Submarine Magmatic Arc, Western Pacific. In. American Geophysical Union, Fall Meeting 2006,

abstract #V41B-1723; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Embley RW, de Ronde CEJ, Davy B, Baker ET, Resing JA, Yoerger DR, Merle SG, Walker SL. 2007. Preliminary Results of a Near-Bottom Integrated Seafloor and Water Column survey of Brothers volcano, Kermadec arc, Using the Autonomous Vehicle ABE. In. American Geophysical Union, Fall Meeting 2007, abstract #V34B-07; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.

Embley RW, de Ronde CEJ, Massoth GJ, Wright IC, Butterfield DA, Clark MR, Chadwick WW, Lupton JE, Malahoff A, Rowden AA et al. . 2005. Hydrothermal Systems on Kermadec Arc Volcanoes Revealed by PISCES V Submersible Dives. In. American Geophysical Union, Fall Meeting 2005, abstract #V44A-04; Fall Meet. Suppl. 2005: EOS, Transactions of the American Geophysical Union.

Etnoyer P, Brancato MS, Bowlby CE, Hyland J. 2008. Deep-water gorgonians: Critical nursery habitat for catsharks. . In. Platform presentation given at 4th International Symposium on Deepsea Corals, hosted by National Institute of Water & Atmospheric Research (NIWA); December 1-5, 2008 2008; Wellington, New Zealand.

Etnoyer PJ, Schmahl GP, Shirley TC. 2006. Submersible Explorations of Deep Coral and Sponge Communities on Northeast Pacific Seamount Peaks. In. 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.

Eustice R, Brown H, Ayong K. 2008. An overview of AUV algorithms research and testbed at the University of Michigan. In. Autonomous Underwater Vehicles, 2008. AUV 2008. IEEE/OES; 13-14 Oct. 2008 2008. p. 1-9. doi:10.1109/AUV.2008.5290531

Eustice RM, Whitcomb LL, Singh H, Grund M. 2007. Experimental Results in Synchronous-Clock One-Way-Travel-Time Acoustic Navigation for Autonomous Underwater Vehicles. In. Robotics and Automation, 2007 IEEE International Conference on; 10-14 April 2007 2007. p. 4257-4264. doi:10.1109/ROBOT.2007.364134

Evers B, Manley J. 2007. A Vehicle for Science and Exploration: Bringing Offshore Industry Advances and Experience to the Oceanographic Community. In. OCEANS 2007; Sept. 29 2007-Oct. 4 2007 2007. p. 1-6.

Farr N, Bowen A, Ware J, Pontbriand C, Tivey M. 2010. An integrated, underwater optical /acoustic communications system. In. OCEANS 2010 IEEE - Sydney; 24-27 May 2010 2010. p. 1-6. doi:10.1109/OCEANSSYD.2010.5603510

- Fiolek A, Anderson D, Collins DW, Cumberpatch ML, Beattie J. 2005. NOAA Video Data Management System (VDMS): No Video, No Oscar! In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 1-4. doi:10.1109/OCEANS.2005.1640067
- Fiolek A, Collins DW. 2008. Video Data Management System archives and provides online access to NOAA deep-sea corals digital video and image data. In. OCEANS 2008; 15-18 Sept. 2008 2008. p. 1-6. doi:10.1109/OCEANS.2008.5151940
- Fiolek A, Collins DW, Anderson D, Beattie J. 2006. NOAA Ocean Exploration Digital Video and Image Data: Archiving, Preserving, and Accessing Online Oceanographic Information. In. OCEANS 2006; 18-21 Sept. 2006 2006. p. 1-5. doi:10.1109/OCEANS.2006.306961
- Fiolek A, Gottfried S, Ladnier S, Mesick S. 2009. Mapping, cross-walking, converting and exchanging Oceanographic metadata information in Video Data Management System. In. OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges; 26-29 Oct. 2009 2009. p. 1-7.
- Fornari D, Humphris S, Scheirer D, Yoerger D, Bradley AM, Shank TM, Hammond S, Perfit M. 2002. High Resolution Mapping and Near-Bottom Investigations of the Galapagos Rift Between 86W and 89.5W Using ABE, Alvin and a new Towed Digital Camera. Transactions of the American Geological Union 83, Fall Meeting.
- France SC, Watling LE, Auster PJ, Babb IG, Moore JA, Mullineaux LS, Adkins JF, Shank TM, Waller RG. 2006. Observations of deep-water coral communities on the New England and Corner Rise Seamount chains (oral presentation) In. 11th International Deep Sea Biology Symposium; 2006; Southampton, U.K.
- Frank TM. 2006. UV photosensitivity in a deep-sea benthic crab. In: Ocean Sciences 2006. Ocean Exploration Symposium OS44L-06 2006; Hawaii.
- Frank TM. 2006. UV Photosensitivity in a Deep-sea Benthic Crab. In. 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.
- Frank TM. 2008. Vision in the Deep. Committee's Choice Presentation. 2008 In. Ocean Sciences Meeting; 2008; Orlando, Florida.
- Gardner JV, Malik MA, Verplank NS. 2009. Physiography of eastern Mendocino Ridge, NE Pacific. In. American Geophysical Union, Fall Meeting 2009; 2009.
- Ginsburg R, Reed JK. 2008. Mesophotic coral reefs (300-100 m), a frontier of reef exploration and research in the tropical North Atlantic. 11th International Coral Reef Symposium. Ft. Lauderdale, Florida, . p.384.



- Goehring L, Robigou V. 2003. Exploring the deep with teachers: using teacher input to drive education and outreach plans. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1980 Vol.4. doi:10.1109/OCEANS.2003.178198
- Goldberg JS, Murphy MT, Croff KL, Myers E, Murray JD. 2002. Enhancing public and private partnerships through undersea exploration outreach and education. In. OCEANS '02 MTS/IEEE; 29-31 Oct. 2002 2002. p. 569-576 vol.1. doi:10.1109/OCEANS.2002.1193330
- Gomez I, x, x00F, ez D, Taylor CL, Heintz MC, Howland JC, Yoerger DR, Bowen AD, Whitcomb LL. 2010. Energy management for the Nereus hybrid underwater vehicle. In. OCEANS 2010; 20-23 Sept. 2010 2010. p. 1-9. doi:10.1109/OCEANS.2010.5663885
- Gorell FR, Martinez C. 2006. Reaching Out in New Ways: Bridging the gap between science and media through the National Oceanic and Atmospheric Administration's Office of Ocean Exploration. Transactions of the American Geological Union, Fall Meeting.
- Gradinger R. 2003. The hidden ocean: explorations under the ice of the western Arctic. A multidisciplinary project funded by the NOAA Ocean Exploration Program. In: Iken K, Konar B, editors. Proceedings of the Arctic Biodiversity Workshop 2003; Fairbanks, AK: Alaska Sea Grant College Program.
- Guilderson TP, Roark EB, Page SRF, Quay PD, Moy C. 2003. Radiocarbon Evolution in the Gulf of Alaska: 2002 Observations. In. 2003; Wellington, New Zealand: 18th International Radiocarbon Conference.
- Hammond SR. 2003. NOAA Ocean Exploration 2003: A Scientific Overview. In. American Geophysical Union, Fall Meeting 2003; 2003.
- Hammond SR. 2005. New opportunities for International Ocean Exploration Collaborations. Transactions of the American Geological Union, Fall Meeting, abstract #V44A-01.
- Hammond SR, Gorell FR, Keener-Chavis P. 2006. The NOAA Ocean Exploration Program: Scientists' Participation in Outreach and Education. In. Ocean Sciences Meeting; 2006: American Geophysical Union.
- Hammond SR, Shank TM, Fornari DJ, Yoerger DR, Bradley AM, Scheirer DS, Tivey MA. 2002. Multidisciplinary Investigations of the Galapagos Rift, 86°W to 89.5°W: 25th Anniversary of the Discovery of Hydrothermal Venting Transactions of the American Geological Union 83, Fall Meeting.
- Haxel JH, Dziak RP, Lau TK, Matsumoto H. 2008. Observations of Local Seismicity and Harmonic Tremor Using an Ocean Bottom Hydrophone Array at Brothers Volcano, South Kermadec Arc.

In. American Geophysical Union, Fall Meeting 2005, abstract #V51C-1496; Fall Meet. Suppl. 2008: EOS, Transactions of the American Geophysical Union.

Herrera S, Munro C, Nganro N, Tunncliffe V, Wirasantosa S, Sibert E, Hammond SR, Bors E, Butterfield D, Holden JF et al. . 2010. Biodiversity of the Deep-Sea Benthic Fauna in the Sangihe-Talaud Region, Indonesia: Observations from the INDEX-SATAL 2010 Expedition. In. American Geophysical Union, Fall Meeting 2010, abstract #OS13C-1234; 2010.

Hill TM, Spero HJ, Guilderson TP, Clague D, Macalello S. 2008. Vital effects and deep sea bamboo coral (*Isididae*) stable isotopic composition. Transactions of the American Geological Union 89, Fall Meeting.

Holt SM, Beattie JA, Cumberpatch ML. 2002. Digital video needs for oceanographic images for the National Oceanographic and Atmospheric Administration. In. OCEANS '02 MTS/IEEE; 29-31 Oct. 2002 2002. p. 1648-1651 vol.3. doi:10.1109/OCEANS.2002.1191881

Hooker D, Styles R, Stancyk S, Sautter LR, Helmuth B. 2004. A comparison of the geostrophic balance and current measurements in the Gulf Stream. . In. Southeastern Ecology and Evolution Conference, Georgia Institute of Technology; 2004; Atlanta, GA.

Hooker DR, Styles R, Stancyk S, Sautter LR, Helmuth B. 2004. Long-term estimates of geostrophic transport in the Gulf Stream,

. Transactions of the American Geological Union 85, Fall Meeting.

Horrell C. 2011. The Bureau of Ocean Energy Management, Regulation and Enforcement's Historic Preservation Program. In. Offshore Technology Conference; 2-5 May 2011; Houston, Texas, USA. doi:10.4043/21784-MS

Huber JA, Bolton SA, Butterfield DA, Baross JA, Sogin ML. 2006. Microbial ecology of seafloor communities at deep-sea hydrothermal seamounts of the Pacific Ocean. In. American Geophysical Union, Fall Meeting 2006, abstract #V32A-03; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Huber JA, Butterfield DA, Neal PR, Huse SM, Welch DM, Morrison HG, Sogin ML. 2008. Using 454 Tag Sequencing to Determine the Diversity and Distribution of Seafloor Indicator Organisms at Deep-Sea Hydrothermal Seamounts of the Pacific Ocean. American Society of Microbiology Annual Meeting. Boston, MA.

Huber JA, Welch DM, Morrison HG, Huse SM, Neal PR, Butterfield DA, Sogin ML. 2008. Seafloor archaeal communities at deep-sea hydrothermal seamounts. AbSciCon 2008. Santa Clara, CA.

- Jakuba M, Yoerger DR, Chadwick WW, Bradley AM, Embley RW. 2002. Multibeam sonar mapping of the Explorer Ridge with an autonomous underwater vehicle. In. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1266; Fall Meet. Suppl. 2002: EOS, Transactions of the American Geophysical Union.
- Jensen JO, McMahan JD. 2006. Alaska's Submerged Heritage: 2006 Investigations in Lynn Canal. In. Annual Meeting of the Alaska Historical Society; 2006; Juneau, Alaska.
- Johnsen S. 2005. The red and the black: bioluminescence and the color of animals in the deep sea. In. SICB Annual Meeting, 2005; 2005.
- Johnsen S. 2005. Visual Ecology on the High Seas. In. Physico-chemical ecology of organisms conference; 2005; Roscoff, France.
- Jones CD, Jackson DR. 2009. Midfrequency backscatter imaging of fish schools in a shallow water waveguide. 157th Meeting of the Acoustical Society of America. Acoustical Society of America. p. 2550-2550.
- Jordan B. 2011. Cultural and Archaeological Resource Studies on the Atlantic Outer Continental Shelf-Balancing Development with Preservation. In. Offshore Technology Conference; 2-5 May 2011; Houston, Texas, USA. doi:10.4043/21480-MS
- Keener P. 2011. Enhancing ocean science literacy in the U.S. and abroad through NOAA Ocean Exploration OCEANS 2011. Waikoloa, HI p. 1-5.
- Keener-Chavis P. 2003. Ocean Exploration through NOAA: collaborations for excellence in exploration and education. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1561 Vol.3. doi:10.1109/OCEANS.2003.178100
- Keener-Chavis P. 2008. The NOAA Ship Okeanos Explorer: Continuing to unfold the president's panel on Ocean Exploration recommendations for ocean literacy. In. OCEANS 2008; 15-18 Sept. 2008 2008. p. 1-2. doi:10.1109/OCEANS.2008.5152101
- Keener-Chavis P, McDonough J, Martinez C, Gorell F. 2007. The NOAA Ship Okeanos Explorer: "Live"...to Scientists and Educators Ashore. In. OCEANS 2007; Sept. 29 2007-Oct. 4 2007 2007. p. 1-2. doi:10.1109/OCEANS.2007.4449419
- Keller RA, Chaytor JD, Duncan R. 2006. Exploration of Seamount Chains in the Gulf of Alaska: Geological Results. In. 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.
- Koschinsky A, Devey C, Garbe-Schonberg D, German C, Yoerger D, Shank T. 2006. Hydrothermal Exploration of the Mid-Atlantic Ridge, 5-10°S, using the AUV ABE and the ROV Quest a brief

overview of RV Meteor Cruise M68/1. In. American Geophysical Union, Fall Meeting 2006; 2006.

Lavelle JW, Massoth GJ, Baker ET, de Ronde CEJ. 2007. Measured and Modeled Currents at a Deep Ocean Volcano: Brothers. In. American Geophysical Union, Fall Meeting 2007, abstract #OS13A-1005; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.

Lebon G, Resing JA, Baker ET, Embley RW, Lupton JE. 2004. Chemical Characteristics of Plumes above and Around NW-Rota Submarine Volcano: Before and During the March 2004 Eruption. In. American Geophysical Union, Fall Meeting 2004, abstract #V41B-1386; Fall Meet. Suppl. 2004: EOS, Transactions of the American Geophysical Union.

Lee WS, Dziak RP, Park M, Matsumoto H, Bohnenstiehl DR, Haxel JH. 2007. New investigations of an ultra-slow continental rifting revealed from hydroacoustic monitoring in the Bransfield Strait, Antarctica. In. Fall American Geophysical Union Meeting; 2007.

Lee WS, Dziak RP, Park M, Matsumoto H, Bohnenstiehl DR, Haxel JH. 2008. Hydroacoustic monitoring in the Bransfield Strait, Antarctica. In. Scientific Committee On Antarctic Research Meeting; 2008.

Lesser M, Slattery M. 2006. Biodiversity and Ecology of Deep-Reef Sponge Communities in the Bahamas. In. 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.

Lesser MP, Slattery M. 2010. Ocean Exploration: Consequences of lionfish invasion to stability of Mesophotic Coral Reefs. 2010 AGU Ocean Sciences Meeting, abstract #IT21B-05.

Léveillé RJ, Williams-Jones A, Cousens BL, Gillis K, Channing C, Chadwick WW, Embley RW, Butterfield DA, Juniper SK. 2002. The nature of sulfide weathering in the submarine environment: evidence from the Southern Explorer Ridge. In. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1269; Fall. Meet. Suppl. 2002: EOS, Transactions of the American Geophysical Union.

Lilley MD, Olson EJ, Butterfield DA. 2002. Volatiles Produced and Consumed by Microorganisms in Active Hydrothermal Systems. Transactions of the American Geological Union 83, Fall Meeting.

Lindstrom E, McCurdy A, Manley J, Shepard AN. 2003. The Link Project: a NOAA and NASA partnership In. OCEANS 2003. Proceedings 2003. p. 1819 - 1823.  
doi:10.1109/OCEANS.2003.178162

- Lobecker M, Malik M, Johnson JE, Boettcher MS. 2010. NOAA Office of Ocean Exploration: EM302 Multibeam Survey of the Sangihe-Talaud Region, North Sulawesi, Indonesia. In. American Geophysical Union, Fall Meeting 2010; 2010.
- Lundsten L. 2006. Observations and comparisons of California seamount communities (poster presentation). Seamount Biogeosciences Network Workshop. La Jolla, CA.
- Lundsten L, DeVogelaere AP, Barry JP, Clague DA. 2006. A characterization of the megafauna on Davidson Seamount (poster presentation). In. American Geophysical Union, Fall Meeting 2006, abstract #V13A-0650; 11-15 December 2006 2006: EOS, Transactions of the American Geophysical Union. p. Abstract V13A-0650.
- Lundsten L, DeVogelaere AP, Barry JP, Clague DA. 2007. A characterization of the megafauna on Davidson Seamount (poster presentation). MBNMS Sanctuary Currents Symposium. Seaside, California.
- Lundsten L, Kuhn L, Barry JP, Clague DA. 2005. Observations and comparisons of California seamount communities (poster presentation). 3rd International Symposium on Deep-Sea Corals. Miami, Florida.
- Lupton J, Butterfield D, Lilley M, Evans L, Greene R, Resing J, Embley R, Massoth G, Christenson B, de Ronde C et al. . 2005. Carbon Fluxes from Submarine Arc Volcanoes - examples from the Mariana and Kermadec Arcs. In. American Geophysical Union, Fall Meeting 2005, abstract #V51C-1498; Fall Meet. Suppl. 2005: EOS, Transactions of the American Geophysical Union.
- Lupton J, Lilley M, Butterfield D, Evans L, Embley R, Massoth G, Christenson B, Nakamura K, Schmidt M. 2007. Venting of a separate CO<sub>2</sub>-rich gas phase from submarine arc volcanoes. In. American Geophysical Union, Fall Meeting 2007, abstract #V34B-02; Fall Meet. Suppl. 2007: EOS, Transactions of the American Geophysical Union.
- Lupton JE, Baker ET, Embley RW, Resing JE, Massoth GJ, Nakamura K, Greene R, Walker S, Lebon G. 2003. Hydrothermal Helium Plumes over Submarine Volcanoes of the Marianas Arc In. American Geophysical Union, Fall Meeting 2003, abstract #T32A-0916; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.
- Lupton JE, Lilley M, Butterfield DA, Cowen J, Von Damm K, Baker ET, Resing JA, Embley RW, Chadwick WW, Love B et al. . 2006. Changes in Hydrothermal Gas Chemistry Associated with Deep-Sea Eruptive Events. In. American Geophysical Union, Fall Meeting 2006, abstract #V13C-08; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

- Malahoff A, Wiltshire JC, Smith JR. 2005. Discoveries From the Cross-Disciplinary, Multi-Institutional South Seas Expedition from Hawaii to New Zealand and Back. In. American Geophysical Union, Fall Meeting 2005; 2005.
- Manley JE. 2003. Autonomous underwater vehicles for Ocean Exploration. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 327-331 Vol.1. doi:10.1109/OCEANS.2003.178578
- Manley JE. 2004. Multiple AUV missions in the National Oceanic and Atmospheric Administration. In. Autonomous Underwater Vehicles, 2004 IEEE/OES; 17-18 June 2004 2004. p. 20-25. doi:10.1109/AUV.2004.1431188
- Manley JE. 2004. Technology development for ocean exploration. In. OCEANS '04. MTTs/IEEE TECHNO-OCEAN '04; 9-12 Nov. 2004 2004. p. 1701-1705 Vol.3. doi:10.1109/OCEANS.2004.1406380
- Manley JE. 2005. New Sensor Technologies for Ocean Exploration and Observation. In. American Geophysical Union, Fall Meeting 2005; 2005.
- Manley JE. 2008. New tools for ocean exploration, equipping the NOAA Ship Okeanos Explorer. In. OCEANS 2008; 15-18 Sept. 2008 2008. p. 1-5. doi:10.1109/OCEANS.2008.5151876
- Marshall NJ, Cronin TC, Shashar N, Johnsen S, Widder EA. 2004. Polarisation vision in terrestrial and aquatic environments. In. Insect Sensors and Robotics Conference; 2004; Brisbane, Australia.
- Martinez C. 2002. Education and Outreach in NOAA's Ocean Exploration Program: An Example From a Gulf of Alaska Alvin Cruise. Transactions of the American Geological Union 83, Fall Meeting.
- Martinez C, Gorell F, Keener-Chavis P. 2005. Reaching out in new ways: working with alternative schools and underrepresented groups to improve ocean literacy through the National Oceanic and Atmospheric Administration's Office of Ocean Exploration. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 900-904 Vol. 1. doi:10.1109/OCEANS.2005.1639869
- Martinez C, Keener-Chavis P. 2006. NOAA Ship Okeanos Explorer: Telepresence in the Service of Science, Education and Outreach. In. OCEANS 2006; 18-21 Sept. 2006 2006. p. 1-5. doi:10.1109/OCEANS.2006.306993
- Massoth GJ, Arculus RJ, Baker ET, Butterfield DA, Chadwick WW, Christenson BW, de Ronde CEJ, Embley RW, Evans LJ, Faure K et al. . 2005. Plume-Vent Fluid Connections along the Tonga-Kermadec arc. In. American Geophysical Union, Fall Meeting 2005, abstract #V51C-1495; Fall Meet. Suppl. 2005: EOS, Transactions of the American Geophysical Union.

Matsumoto H, Dziak RP, Bohnenstiehl DR, Park M, Haxel JH, Lee WS, Lau T-K. 2007. Ambient Noise in the Bransfield Strait and the Drake Passage, Antarctica: Temporal and Spatial Variations. In. Pacific Rim Underwater Acoustics Conference 2007; 2007; Vancouver, BC.

Matsumoto H, Dziak RP, Park M, Lau T-K, Lee WS, Bohnenstiehl DR, Haxel JH. 2008. Acoustic monitoring of sea ice and ice sheet off Antarctic Peninsula. In. American Geophysical Union, Fall Meeting 2008, abstract #C11E-08; 2008: EOS, Transactions of the American Geophysical Union.

Matsumoto H, Dziak RP, Park M, Lau T-K, Lee WS, Bohnenstiehl DR, Haxel JH, Stafford KM. 2008. Listening to Climate Change: Acoustic Monitoring off Antarctic Peninsula. SCAR meeting. St. Petersburg, Russia.

Matsumoto H, Stalin SE, Embley RW, Haxel JH, Bohnenstiehl DR, Dziak RP, Meinig C, Resing JA, Delich NM. 2010. Hydroacoustics of a submarine eruption in the Northeast Lau Basin using an acoustic glider. In. OCEANS 2010; 20-23 Sept. 2010 2010. p. 1-6.  
doi:10.1109/OCEANS.2010.5664494

McDonnell JD, Simms E, De Luca MP. 2003. Volcanoes of the Deep Sea: giant screen film format as a catalyst to enrich informal learning at science education centers. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1572 Vol.3. doi:10.1109/OCEANS.2003.178104

McDonough JJ, III, Green G. 2005. Investigating the unknown: converting the USNS CAPABLE to explore the world's oceans. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 2746-2751 Vol. 3. doi:10.1109/OCEANS.2005.1640190

McLean CN, Hammond SR. 2002. NOAA Ocean Exploration 2002 Expeditions to Pacific Seafloor Spreading Centers: The Galápagos Rift and the Explorer Ridge. In. American Geophysical Union, Fall Meeting 2002; 2002.

McLean CN, Manley JE, Gorell F. 2004. Ocean Exploration: building innovative partnerships in the spirit of discovery. In. Underwater Technology, 2004. UT '04. 2004 International Symposium on; 20-23 April 2004 2004. p. 3-6. doi:10.1109/UT.2004.1405452

McMahan JD. 2007. Underwater archaeology and maritime heritage in the State of Alaska: An Update (Presentation at conference session)

The Last Frontier: Progress and Challenges of Underwater Archaeology in Alaska (Conference session). In. Eighth Maritime Heritage Conference; 2007; San Diego, CA.

McMahan JD. 2008. Exploring Underwater Heritage on the Last Frontier: Recent Partnerships and Projects in the State of Alaska. In. Shipwrecks 2008: Maritime History Conference; 2008; Bamfield, BC.

McMahan JD, Jensen JO, Jewett S, Kelley J, Naidu S, Van Tilburg H, Burwell M. 2007. Submerged Cultural Resource Management on the Last Frontier: Reconnaissance, GIS Mapping, and Biotic/Geochemical Characterization of Threatened Shipwreck Sites in Southeast Alaska. In: Pollack NW, Godfrey JM, editors. Proceedings of the American Academy of Underwater Sciences (AAUS) 26th Symposium. Dauphin Island, AL: American Academy of Underwater Sciences.

Mesick SM, Gottfried ST, Roby E. 2005. National Oceanic and Atmospheric Administration Office of Ocean Exploration end-to-end data management: a success story. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 2070-2077 Vol. 3.

Mesick SM, Hill PS, Gottfried ST. 2009. New solutions for navigating an ocean of data. In. OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges; 26-29 Oct. 2009 2009. p. 1-9.

Messing CG, Brooke SD, Reed JK. 2008. A possible role for agglutinated foraminiferans in the growth of deep-water coral bioherms. Fourth International Deep-Sea Coral Symposium. New Zealand. p. p.107.

Messing CG, Brooke SD, Reed JK. 2008. A Possible Role for Agglutinating Foraminiferans in the Growth of Deep-Water Coral Bioherms. In. American Geophysical Union, Spring Meeting 2008, abstract #OS23A-04; 2008: EOS, Transactions of the American Geophysical Union.

Mineart GM, Klein FC. 2002. A data management strategy for the ocean exploration program. In. OCEANS '02 MTS/IEEE; 29-31 Oct. 2002 2002. p. 1642-1647 vol.3.  
doi:10.1109/OCEANS.2002.1191880

Mineart GM, Klein FC, Flanders J. 2002. Regional ocean exploration workshops. In. OCEANS '02 MTS/IEEE; 29-31 Oct. 2002 2002. p. 1635-1641 vol.3.

Moore JA, Auster PJ, Heinonen K. 2006. Emerging patterns of small-scale and large-scale distributions of fishes associated with western North Atlantic seamounts (poster presentation). In. Ocean Sciences Meeting; 2006; Honolulu, HI.

Morrison CL, King TL, Johnson RL, Ross SW, Nizinski MS. 2008. Geographic Patterns of Genetic Connectivity among *Lophelia pertusa* Deep Coral Populations in the Western North Atlantic Ocean. In. American Geophysical Union, Spring Meeting 2008, abstract #OS23A-01; 2008: EOS, Transactions of the American Geophysical Union.

Morrison CL, Ross SW, Nizinski MS, Brooke SD, Järnegren J, Waller RG, Johnson RL, King TL. 2008. Genetic Discontinuity Among regional Populations of *Lophelia pertusa* in the North



Atlantic Ocean. In. 4th International Deep-Sea Coral Symposium; December 2008 2008; Wellington, New Zealand.

Nakamura K, Embley RW, Chadwick WW, Butterfield DA, Takano B, Resing JA, de Ronde CEJ, Lilley M, Lupton JE, Merle SG et al. . 2006. Liquid and Emulsified Sulfur in Submarine Solfatara Fields of two Northern Mariana Arc Volcanoes. In. American Geophysical Union, Fall Meeting 2006, abstract #V23B-0608; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Overfield ML. 2005. Corrosion of Deep Gulf Shipwrecks of World War II. 2005 International Oil Spill Conference. p. 1-8.

Paduan JB, Clague DA, Davis AS, Castillo P, Duncan R, Lonsdale P, DeVogelaere AP. 2007. Davidson Seamount: A Volcano Slowly Built on an Abandoned Spreading Center (poster presentation). In. American Geophysical Union, Fall Meeting 2007, abstract #V21B-0608; 10-14 December 2007 2007: EOS, Transactions of the American Geophysical Union. p. Abstract V21B-0608.

Page A, Ward N, Shank TM, Farhang B, Reysenbach A. 2003. Microbial Diversity at the Low-Temperature Hydrothermal Vents of the Galapagos Rift. Transactions of the American Geological Union 84, Fall Meeting.

Park M, Dziak RP, Byun S, Fox CG, Matsumoto H. 2003. Numerical Modeling of Sound from the Eruption of Anatahan Volcano, Mariana Islands. In. American Geophysical Union, Fall Meeting 2003, abstract #V32B-1018; Fall Meet. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Park M, Lee WS, Dziak RP, Matsumoto H, Bohnenstiehl DR, Haxel JH. 2008. Hydroacoustic monitoring of seafloor earthquake and cryogenic sounds in the Bransfield Strait, Antarctica. In. Fall American Geophysical Union Meeting; 2008.

Patterson MR, Relles NJ. 2008. Autonomous Underwater Vehicles resurvey Bonaire: a new tool for coral reef management. In. Proceedings of the 11th International Coral Reef Symposium; 7-11 July 2008; Ft. Lauderdale, FL. p. 546-550.

Penn K, Guilderson TP, Ward N. 2004. Phylogenetic Diversity in Microbial Communities Associated with Gulf of Alaska Deep-Sea Corals. In. 2004: American Society Microbiologists Annual Meeting.

Peyton K, Spalding H, Fukunaga A, Langston R, Pence D, Runcie J, Smith C, Abbott IA. 2006. Exploration of the Ecology and Physiology of Deep-Water Macroalgal and Seagrass Meadows in Hawaii. In. Ocean Sciences Meeting (AGU/ASLO); Feb 20-24 2006; Honolulu, HI.

- Pomponi SA, Wright AE, Reed JK. 2003. Exploration in the South Atlantic Bight: discovery of new resources with pharmaceutical potential. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1283-1284 Vol.3. doi:10.1109/OCEANS.2003.178040
- Raskoff KA, Purcell JE, Hopcroft RR. 2004. Gelatinous zooplankton of the Arctic Ocean: in situ ROV observations under the ice. American Society of Limnology and Oceanography/The Oceanography Society Ocean Research Conference. Honolulu, HI.
- Raymond EL, Widder EA. 2005. Unobtrusive Observations of Deep-Sea Megafauna in the Gulf of Mexico. In. Ocean Sciences Meeting 2005, abstract #OS24I-05; 2005: EOS, Transactions of the American Geophysical Union.
- Reed JK, Messing CG, Brooke SD, Correa T. 2008. Distribution and areal extent of deep-water coral reefs off Florida, USA. Fourth International Deep-Sea Coral Symposium. New Zealand. p. p.112.
- Reed JK, Pomponi S, Ginsburg R. 2008. Zonation of mesophotic reefs in the Bahamas. 11th International Coral Reef Symposium. Ft. Lauderdale, Florida. p. p. 382.
- Reed JK, Pomponi S, Messing CG, Brooke SD. 2008. Habitat, fauna, and conservation of Florida's deep-water coral reefs. In. American Geophysical Union, Spring Meeting 2008, abstract #OS23A-02; 2008: EOS, Transactions of the American Geophysical Union.
- Reed RES, Payne DL, Babb IG. 2005. Advancing Collaboration: Analysis of the Effectiveness of Research and Education Partnerships at Sea using Real-Time Technology and Professional Development. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 1-8. doi:10.1109/OCEANS.2005.1639973
- Resing JA, Embley RW. 2009. Active Eruptions in the NE Lau Basin. In. American Geophysical Union, Fall Meeting 2009; 2009.
- Resing JA, Lebon G, Baker ET, Lupton JE, Nakamura K, Massoth GJ, Embley RW. 2003. Geochemical Characterization of Hydrothermal Plumes Above Hydrothermally Active Volcanos on the Mariana Arc. In. American Geophysical Union, Fall Meeting 2003, abstract #T32A-0915; Fall Meeting Suppl. 2003: EOS, Transactions of the American Geophysical Union.
- Resing JA, Lebon G, Baker ET, Walker SL, Nakamura K, Silvers B. 2002. Using Hydrothermal Plumes and Their Chemical Composition to Identify and Understand Hydrothermal Activity at Explorer Ridge. In. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1265; Fall Meeting Suppl. 2002: EOS, Transactions of the American Geophysical Union.

Roark EB, Fallon SJ, Guilderson TP, Dunbar RB, McCulloch M, Ingram BL. 2005. Development of radiocarbon, trace element, and stable isotopic records from a deep-sea coral: *Isididae* sp. . In. November 28 - December 2, 2005 2005; Miami, FL: 3rd International Symposium on Deep-Sea Corals.

Roark EB, Fallon SJ, McCulloch M, Guilderson TP, Dunbar RB, Linsley B. 2004. Development of Radiocarbon and Trace Element Records from a Deep-Sea Cora: *Isididae* spp. Transactions of the American Geological Union 84, Fall Meeting.

Roark EB, Guilderson TP, Fallon SJ, Dunbar RB, McCulloch M. 2006. Pre to Post-bomb seawater  $^{14}\text{C}$  history in the Gulf of Alaska inferred from a deep-sea coral: *Isididae* spp. Transactions of the American Geological Union 87, Fall Meeting.

Roark EB, Guilderson TP, Page SRF, Dunbar RB, Ingram BL. 2003. Radiocarbon based age and growth rates estimates on deep-sea corals from the Pacific. In. 2003; Erlangen, DE: 2nd International Symposium on Deep Sea Corals.

Roark EB, Guilderson TP, Page SRF, Fallon SJ. 2006. Pre to post-bomb seawater  $^{14}\text{C}$  history in the Gulf of Alaska inferred from biological archives. In. April 3-7, 2006 2006; Oxford, U.K.: 19th International Radiocarbon Conference.

Rona P, Guida V, Sullivan M, Haag S, Macelloni L, Sweeney E, Scranton M, Hobbs J, Asper V. 2007. Hudson submarine canyon head offshore New York and New Jersey: a dynamic interface. American Geophysical Union Fall Meeting 2007.

Rona PA, Robb JM, Butman B, Scranton MI, Kingman KE, Tucholke BE, Twichell D. 2004. Slope Instability and Gas Hydrates in the Hudson Canyon Region, U.S. Atlantic Continental Margin. In. American Geophysical Union, Fall Meeting 2004; 2004.

Rosenberg AD, Eberli GP, Correa T, Grasmueck MP, Reed JK. 2008. Honing in on Deep-water Corals: Ground-truthing AUV Data in the Straits of Florida. In. American Geophysical Union, Spring Meeting 2008, abstract #OS23A-05; 2008: EOS, Transactions of the American Geophysical Union.

Rosenberg AD, Swart PK, Eberli G, Grasmueck M, Mooers C, Reed JK. 2008. Ground-truthing an ocean circulation model for the Straits of Florida: an application of deep-sea coral geochemical proxies. 2008 International Deep Sea Coral Symposium. New Zealand. p. p. 190.

Rosenheim B, Correa T, Swart P, Eberli G, Grasmueck M, Reed JK. 2008. Deep reef radiocarbon records from the Straits of Florida. In: Poster. HBOI Miscellaneous Contribution Number 472. 11th International Coral Reef Symposium; July 9, 2008 2008; Ft Lauderdale, Fla.

- Ruberg SA, Muzzi RW, Brandt SB, Lane JC, Miller TC, Gray JJ, Constant SA, Downing EJ. 2007. A Wireless Internet-Based Observatory: The Real-time Coastal Observation Network (ReCON) OCEANS 2007 Vancouver, BC
- Rutz SB, Collins DW. 2005. An ocean data archivist's perspective during an ocean exploration cruise. In. OCEANS, 2005. Proceedings of MTS/IEEE; 2005 2005. p. 2815-2819 Vol. 3. doi:10.1109/OCEANS.2005.1640201
- Rzhanov Y, Mayer L, Beaulieu SE, Shank T, Soule SA, Fornari DJ. 2006. Deep-sea Geo-referenced Video Mosaics In. OCEANS 2006, Boston, MA; 18-21 Sept. 2006 2006. p. 1-6. doi:10.1109/OCEANS.2006.307018
- Rzhanov Y, Mayer L, Fornari D, Shank TM, Humphris S, Scheirer D, Kinsey J, Whitcomb L. 2003. High-Resolution Photo-Mosaicing of the Rosebud Hydrothermal Vent Site and Surrounding Lava Flows, Galapagos Rift 86W: Techniques and Interpretations. Transactions of the American Geological Union 84, Fall Meeting.
- Sansone FJ, Spalding HL, Smith CM. 2007. Effects of Deepwater Algae on C-N-P Cycling in Permeable Sediments. In. American Geophysical Union; Dec. 10-14 2007; San Francisco, CA
- Sedberry GR, Pashuk O, Wyanski DM, Stephen JA, Weinbach P. 2006. Spawning Locations for Atlantic Reef Fishes off the Southeastern U.S. 57th Gulf and Caribbean Fisheries Institute. St. Petersburg, FL.
- Shank TM. 2003. Genetic structure of nascent biological communities from the Galapagos Rift vent fields. Deep-Sea Biology Symposium. Coos Bay, OR.
- Shank TM. 2006. Toward a Mechanistic Understanding of Larval Dispersal: Insights From Genomic Fingerprinting of Deep-Sea Hydrothermal Vent Populations. American Society of Limnology and Oceanography, Ocean Sciences Meeting.
- Shank TM, Beaulieu SE, III GWL, Seyfried WE, Ding K, Vetrani C, Sievert SM, Lutz RA. 2007. Integrative studies on the interaction of fluid chemistry and microbial biofilms on larval settlement at hydrothermal vents on the East Pacific Rise and the Galapagos Rift. American Society of Limnology and Oceanography, Ocean Sciences Meeting.
- Shank TM, Hammond S, Fornari D, Waller RG, Ding K, Seyfried WE, Butterfield DA, Lilley MD, Perfit M. 2002. Time-Series Exploration and Biological, Geological, and Geochemical Characterization of the Rosebud and Calyfield Hydrothermal Vent Fields at 86°W and 89.5°W on the Galapagos Rift. Transactions of the American Geological Union 83, Fall Meeting.

Shank TM, Reysenbach AL. 2004. Emerging Geobiological Patterns Of Faunal Evolution And Microbial Diversity In Deep-Sea Chemosynthetic Ecosystems: Where To Next? American Society of Limnology and Oceanography, Ocean Sciences Meeting.

Shepard AN. 2001. Applications of human occupied vehicles at hydrocarbon seeps and vents in the Gulf of Mexico. In. OCEANS, 2001. MTS/IEEE Conference and Exhibition; 2001 2001. p. 799-806 vol.2. doi:10.1109/OCEANS.2001.968222

Shirur K, Brooke SD, Messing CG, Reed JK. 2008. Quantitative habitat characterization and benthic assemblage structure of deep-water scleractinian reefs off eastern Florida. Fourth International Deep-Sea Coral Symposium. New Zealand. p. p.161.

Shirur K, Messing CG, Brooke SD, Reed JK, Rodriguez C. 2008. Quantitative habitat characterization and benthic assemblage structure of deep-water scleractinian reefs off eastern Florida. In. 11th International Coral Reef Symposium; July 7-11, 2008 2008; Ft. Lauderdale, Florida.

Singh S, Webster SE, Freitag L, Whitcomb LL, Ball K, Bailey J, Taylor C. 2009. Acoustic communication performance of the WHOI Micro-Modem in sea trials of the Nereus vehicle to 11,000 m depth. In. OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges; 26-29 Oct. 2009 2009. p. 1-6.

Southerland DG, Davidson DL. 2002. Electronic diving data collection during Monitor expedition 2001. Oceans'02 MTS/IEEE.

Spalding H, Ross M, Peyton K, Conklin K, Sansone F, Parrish F, Smith C. 2006. Distribution of Deep-Water Algal Assemblages in Hawaii Using Current and Archived Submersible and ROV Video. In. Ocean Sciences Meeting (AGU/ASLO); Feb 20-24 2006; Honolulu, Hawaii.

Spalding HL. 2006. Ecological Processes in Halimeda kanaloana Meadows in Hawaii from 10 to 90 m Depths. In. 11th International Coral Reef Symposium; July 7-11 2006; Fort Lauderdale, FL.

Spalding HL. 2009. Deepwater Halimeda Meadows in Hawaii: The Ohia of the Ocean (oral presentation). Hawaii Conservation Conference. Honolulu, HI.

Spalding HL. 2009. Discovering deepwater algal meadows in Hawaii: Home is where the Halimeda is. In. NSF GK-12 Annual Meeting; March 22-25 2009; Washington, D.C.

Spalding HL, Abbott IA, Peyton K, Smith CM. 2009. Discovering deepwater algal meadows in Hawaii: Home is where the Halimeda is (oral presentation), The Distribution of Mesophotic Macroalgae In Hawaii: A Surprisingly Diverse Assemblage from the Deep (poster). In. Joint

Annual Meeting of the American Society of Plant Biologists and the Phycological Society of America; July 18-22 2009; Honolulu, HI

Spalding HL, Abbott IA, Peyton K, Smith CM. 2009. Discovering Mesophotic Macroalgae In Hawaii: A Surprisingly Diverse Assemblage From The Deep. In. 11th Pacific Science Inter-Congress; March 2-6 2009; Papeete, Tahiti.

Spence L, Thomas C. 2003. SouthEast Center for Ocean Sciences Education Excellence: building connections between ocean scientists and educators through partnerships. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1281-1282 Vol.3. doi:10.1109/OCEANS.2003.178039

Stern RJ, Basu NK, Kohut E, Hein J, Embley RW. 2004. Petrology and Geochemistry of Igneous Rocks collected in Association with ROV Investigations of Three Hydrothermal Sites in the Mariana Arc: NW Rota-1, E. Diamante, and NW Eifuku. In. American Geophysical Union, Fall Meeting 2004, abstract #V43F-07; Fall Meet. Suppl. 2004: EOS, Transactions of the American Geophysical Union.

Stern RJ, Tamura Y, Embley RW, Ishizuka O, Merle SG, Basu NK, Kawabata H, Bloomer SH. 2006. Evolution of West Rota Volcano in the Southern Mariana Arc: Evidence from Swathmapping, Seafloor Robotics, and  $40\text{Ar}/39\text{Ar}$  Geochronology. In. American Geophysical Union, Fall Meeting 2006, abstract #V41B-1727; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Stevens CJ, Pond DW, Tyler J, Juniper SK. 2008. Dietary adaptations of *Symphurus* n sp. flatfish at shallow hydrothermal vents in the western Pacific Ocean. New Zealand Marine Sciences Society and Australian Marine Sciences Association Joint Conference. Christchurch, New Zealand.

Stubbs CA, Sautter LR, Creede R. 2006. Multibeam Mapping and Exploration of the Continental Shelf Edge. In. Geological Society of America 2006 Annual Meeting & Exposition; 2006; Philadelphia, PA.

Tivey MA, Embley RW, Chadwick WW, Bradley AM, Yoerger DR. 2002. High-resolution magnetic field mapping over Explorer Ridge - NOAA Ocean Exploration Program. In. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1267; Fall. Meet. Suppl. 2002: EOS, Transactions of the American Geophysical Union.

Tunnicliffe V, Davies KT, Butterfield DA, Embley RW, Rideout C. 2008. Calcification of mussel shells in a setting of high carbon dioxide release on a seamount in the Mariana volcanic arc: Biotic responses to a low pH ocean. 2008 Ocean Sciences Meeting.

Tunncliffe V, Juniper SK, Limén H, Jones WJ, Vrijenhoek R, Webber R, Eerkes-Medrano D. 2004. Shrimp Populations on Northwest Rota, an Active Volcano of the Mariana Volcanic Arc. In: American Geophysical Union, Fall Meeting 2004, abstract #V44A-02; Fall Meet. Suppl. 2004: EOS, Transactions of the American Geophysical Union.

Wakefield WW, Whitmire CE, Clemons JER, Tissot BN. 2005. Fish habitat studies: Combining high-resolution geological and biological data. In: Barnes PW, Thomas JP, editors. American Fisheries Society, Symposium 41, Bethesda, Maryland. ; 2005; Bethesda, Maryland: American Fisheries Society. p. 119-138.

Walker SL, Baker ET, Resing JA, Lebon GT, Lupton JE, Greene RR. 2006. Lateral Dispersion of Volcanic Ash From the Flanks of an Actively Erupting Submarine Volcano. In: American Geophysical Union, Fall Meeting 2006, abstract #V23B-0610; Fall Meet. Suppl. 2006: EOS, Transactions of the American Geophysical Union.

Waller RG, Shank TM, Pomponi SA. 2002. A New Species of Demospongiae from the Calyfield Vent Site on the Galapagos Rift. American Geophysical Union, Fall Meeting 2002, abstract #T11C-1258. EOS, Transactions of the American Geophysical Union.

Ward N. 2005. Microbial Epibionts of Deep-Sea Animals: Helpers or Hitchhikers? , Atlanta, June 5-9, 2005. In: June 5-9, 2005 2005; Atlanta, GA: American Society of Microbiology Annual Meeting.

Ward N. 2006. Microbial Associates of Deep-Sea Animals: Exploring the Holobiont. In: February 16-20, 2006. 2006; St. Louis, MO: AAAS Meeting.

Ward N. 2007. Microbial Genomics: Bizarre Bacteria, Exotic Environments, and How They Interact. (Closing plenary lecture). In: May 20, 2007 2007: American Society for Microbiology Conference for Undergraduate Educators.

Ward N, Penn K, Wu D. 2005. Characterization of Bacterial Communities Associated with Deep-Sea Corals on Gulf of Alaska Seamounts. In: November 28 - December 2, 2005 2005; Miami, FL.: International Symposium on Deep-Sea Corals Science and Management.

Ward N, Schneider T, Penn K, Shank TM. 2006. Composition of Microbial Communities Associated With the Giant Tube Worm *Riftia pachyptila* from the Galapagos Rift. In: 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.

Ward N, Schneider T, Penn K, Shank TM. 2006. Composition of Microbial Communities Associated With the Giant Tube Worm *Riftia pachyptila* from the Galapagos Rift. American Society of Limnology and Oceanography, Ocean Sciences Meeting.

Warren DJ, Church RA, Westrick RF. 2011. Lophelia II Wreck Component: A Preliminary Archaeological Discussion. In. Offshore Technology Conference; 2-5 May 2011; Houston, Texas, USA. doi:10.4043/21252-MS

Webster SE, Eustice RM, Murphy C, Singh H, Whitcomb LL. 2009. Toward a platform-independent acoustic communications and navigation system for underwater vehicles. In. OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges; 26-29 Oct. 2009 2009. p. 1-7.

Wheat CG, Fryer P, Hulme S, Becker N, Curtis A, Moyer CL. 2003. Hydrothermal venting in the southern most portion of the Mariana Backarc spreading center at 12.57 Degrees N. In. American Geophysical Union, Fall Meeting 2003, abstract #T32A-0920; Fall Mtg. Suppl. 2003: EOS, Transactions of the American Geophysical Union.

Widder EA. 2006. Reading the Ocean by the Light of its Inhabitants. (Plenary). In. Ocean Sciences Meeting 2006, abstract #OS21A-01; 2006: EOS, Transactions of the American Geophysical Union.

Wiebe PH, Bucklin A, Madin L, Angel MV, Sutton T, Pages F, Hopcroft RR. 2006. A census of marine zooplankton in the tropical/subtropical Atlantic from the surface to 5000 m. In. American Geophysical Union, Fall Meeting 2006; 2006.

Williams JL, Asper V, Taylor GH. 2007. Experiences with the Operation of a Commercially-Available Deep-Water AUV. In. 2007: National Institute for Undersea Science and Technology Publication. p. 8.

Wilson SG, Polovina JJ, Stewart BS, Meekan MG, Stevens JD. 2006. Discovering the vertical and horizontal movements of whale sharks at Ningaloo Reef, Australia. In. 13th Ocean Sciences Meeting; 20-24 February 2006: American Geophysical Union.

Woolsey M, Asper VL, Diercks AR, McLetchie K. 2010. Enhancing NIUST's SeaBED class AUV, Mola Mola. In. Autonomous Underwater Vehicles (AUV), 2010 IEEE/OES; 1-3 Sept. 2010 2010. p. 1-5. doi:10.1109/AUV.2010.5779667

Woolsey M, Diercks AR, Asper VL. 2010. Mola Mola, NIUST's low-altitude photo and multibeam AUV. In. OCEANS 2010; 20-23 Sept. 2010 2010. p. 1-4. doi:10.1109/OCEANS.2010.5664411

Yoerger DR, Collier R, Bradley AM. 2002. Volatiles Produced and Consumed by Microorganisms in Active Hydrothermal Systems. Transactions of the American Geological Union 83, Fall Meeting.



Zande J. 2004. Engaging Students and Scientists through ROV Competitions. In. American Geophysical Union, Fall Meeting 2004; 2004.

Zande J, Meeson B, Cook S, Matsumoto G. 2006. Tools for Tomorrow's Science and Technology Workforce: MATE's 2006 ROV Competition Sets Students' Sights on Ocean Observing Systems. In. OCEANS 2006; 18-21 Sept. 2006 2006. p. 1-5. doi:10.1109/OCEANS.2006.306840

Zande J, Sullivan D. 2003. ROV competitions for students: developing the next generation of ocean explorers, scientists, technologists, and engineers. In. OCEANS 2003. Proceedings; 22-26 Sept. 2003 2003. p. 1563-1564 Vol.3. doi:10.1109/OCEANS.2003.178102

Zhang HS, Negahdaripour S. 2005. Epiflow Quadruplet Matching: Enforcing Epipolar Geometry for Spatio-Temporal Stereo Correspondences. In. Application of Computer Vision, 2005. WACV/MOTIONS '05 Volume 1. Seventh IEEE Workshops on; 5-7 Jan. 2005 2005. p. 481-486. doi:10.1109/ACVMOT.2005.47

Zhimin B, Zhihui W, Wiltshire JC. 2008. Marine mineral tailings use in anticorrosive coatings. In. OCEANS 2008; 15-18 Sept. 2008 2008. p. 1-9. doi:10.1109/OCEANS.2008.5151930

## News and Magazine Articles (n=25)

2009. Backstory: Ring of fire. Nature Geoscience. Nature Publishing Group. p. 370-370.

Belter C. 2011. Special Edition: 10 Years of Ocean Exploration at NOAA. Marine Science Review. SeaWeb.

Biddanda BA, Nold SC, Dick GJ, Kendall ST, Vail JH, Ruberg SA, Green CM. 2011. Rock, Water, Microbes: Underwater Sinkholes in Lake Huron are Habitats for Ancient Microbial Life. Nature Education Knowledge. Nature Publishing Group. p. 9.

Biddanda BA, Nold SC, Ruberg SA, Kendall ST, Sanders TG, Gray JJ. 2009. Great Lakes Sinkholes: A Microbiogeochemical Frontier. Eos, Transactions of the American Geophysical Union 90(8). doi:10.1029/2009eo080001

Biddanda BA, Nold SC, Ruberg SA, Kendall ST, Sanders TG, Gray JJ. 2009. Submerged Sinkhole Ecosystems in the Laurentian Great Lakes: A Microbiogeochemical Frontier. Eos, Transactions of the American Geophysical Union 90(8):61. doi:10.1029/2009EO080001

Coleman DF, Austin JA, Jr., Ben-Avraham Z, Ballard RD. 2011. Exploring the continental margin of Israel: "Telepresence" at work. Eos, Transactions of the American Geophysical Union 92(10). doi:10.1029/2011eo100002

Cowen J, Dziak B, Baker E, Holland M. 2005. Status Report on Time Critical Studies. Ridge 2000 Events: A Newsletter of Ridge 2000 Program.

DeVogelaere AP. 2002. Exploring Davidson Seamount. Ecosystem Observations for the Monterey Bay National Marine Sanctuary. p. 9-10.

Doermann L. 2011. Great Lakes Geologic Sunken Treasure. Earth Magazine. The American Geological Institute. p. 43-49.

Embley RW, Baker ET, Chadwick WW, Lupton JE, Resing JA, Massoth GJ, Nakamura K. 2004. Explorations of Mariana Arc Volcanoes Reveal New Hydrothermal Systems. Eos, Transactions of the American Geophysical Union 85(4). doi:10.1029/2004EO040001

Foley B. 2008. Ancient Greek Shipwrecks in the depths of the Mediterranean Sea. Onassis International Online Magazine.

Fox C. 2002. Monitoring and Observatories Working Group: Expanded Acoustic Monitoring of the Mid-Atlantic Ridge. InterRidge News. p. 10.

Gardner JV, Malik M, Walker S. 2009. Plume 1400 Meters High Discovered at the Seafloor off the Northern California Margin. Eos, Transactions of the American Geophysical Union 90(32):275. doi:10.1029/2009eo320003

Hopcroft RR. 2003. Spineless wonders: the pelagic fauna. . Current: J. Mar. Ed. .

Marx D. 2004. Forbidden to Sail: The Steamship Portland: 1890-1898. Sea History.

Marx D. 2004. Lost and Found: The Search for the Portland. Sea History.

Marx D, Lawrence M. 2005. Prey of the Storm: The Steamer Portland and the Gale of 1898. Wreck and Rescue.

Morgan LE. 2005. What are deep-sea corals? The Journal of Marine Education. p. 2-4.

Reed JK, Ross SW. 2005. Deep-water reefs off the southeastern U.S.: recent discoveries and research. Journal of Marine Education.

Reed JK, Ross SW. 2005. Deep-Water Reefs off the Southeastern U.S.: Recent Discoveries and Research. The Journal of Marine Education. p. 33-37.

Roberts H, Carney R, Kupchik M, Fisher C, Nelson K, Becker E, Goehring L, Lessard-Pilon S, Telesnicki G, Bernard B et al. . 2007. Alvin explores the deep northern Gulf of Mexico Slope. Eos, Transactions of the American Geophysical Union 88(35). doi:10.1029/2007eo350001

Schrope M. 2010. Oil spill cruise finds field of dead coral. Nature News. Nature Publishing Group.

Sedberry GR. 2006. Strangers from the Deep. South Carolina Wildlife. p. 4.

Shank T, Fornari D, Yoerger D, Humphris S, Bradley A, Hammond S, Lupton J, Scheirer D, Collier R, Reysenbach AL et al. . 2003. Deep submergence synergy: Alvin and ABE explore the Galapagos Rift at 86°W. Eos, Transactions of the American Geophysical Union 84(41). doi:10.1029/2003eo410001

Tsao F, Morgan LE. 2005. Corals that live on mountaintops. Current: The Journal of Marine Education.

## **Audiovisual Presentations (n=26)**

A New view of Oregon [videorecording] : offshore underwater / an Oregon Sea Grant production.

2002. Arctic Science Journeys Radio Script.

2003. Exploring the Davidson Seamount. AD2.

2006. Television production: Surviving Paradise National Geographic/PBS. p. 60 minutes.

2007. Natural Wonders of Davidson Seamount.

2007. Planet Earth: Deep Ocean. BBC.

2008. Into the Abyss. U.S.A.: National Geographic.

Andrus FT, Sautter LR. 2003. Deep Water Corals: Living Away from the Sun. Charleston Bump 2003 PhotoDocumentaries.

BBC. 2007. Planet Earth: Deep Ocean.

Leverett C, Sautter LR. 2003. Taxonomy of the Charleston Bump: An Educational Activity for Middle and High School Students. Charleston Bump 2003 PhotoDocumentaries.

MBNMS. 2003. Exploring the Davidson Seamount. AD2.

MBNMS. 2007. Natural Wonders of Davidson Seamount.

McEvers R. 2003. Meet the crew of the R/V Seward Johnson and the submersible Johnson Sea Link Photo Galleries.

McEvers R. 2003. Science Operations. Photo Galleries.

McEvers R. 2003. Tour of the R/V Seward Johnson. Photo Galleries.

Sautter LR, Poag CW. 2003. Discovering A New Species?: Investigating an Unusual Creature. Charleston Bump 2003 PhotoDocumentaries.

Sautter LR, Sedberry GR. 2003. Meet Some of the Charleston Bump Residents - Observations from Sept. 2001. Charleston Bump 2003 PhotoDocumentaries.

Sedberry GR. 2003. The Wreckfish *Polyprion americanus*: King Fish of the Bump. Charleston Bump 2003 PhotoDocumentaries.

Stancyk SE, Sautter LR. 2003. Echinoderms of the Charleston Bump. Photo Galleries.

Stancyk SE, Sautter LR. 2003. Sieving the Deep: Deep Sea Filter-Feeders. Charleston Bump 2003 PhotoDocumentaries.

Strickland D. 2003. Acoustic Doppler Current Profiler: The Ocean In Stereo Charleston Bump 2003 PhotoDocumentaries.

Strickland D. 2003. What the Heck Is A Clod Card: The Art and Science of a Poor Man's Current Reader. Charleston Bump 2003 PhotoDocumentaries.

Tinker T, Sautter LR. 2003. Charleston Bump Sediment - Images of Sediment and Microfossils. Photo Galleries.

Tinker T, Sautter LR. 2003. Microfossil Gallery. Photo Galleries.

Wenner EL. 2003. Ragged Claws Under Silent Seas: Deep Water Crabs of the Charleston Bump. Charleston Bump 2003 PhotoDocumentaries.

Wenner EL. 2003. Sampling the Charleston Bump: Finding a Needle in a Haystack. Charleston Bump 2003 PhotoDocumentaries.