

Literature Cited for the Final Listing Determinations on Proposal to List 66 Reef-building Coral Species and to Reclassify Elkhorn and Staghorn Corals

- Abdel-Salam, H., J. Porter, and B. Hatcher. 1988. Physiological effects of sediment rejection on photosynthesis and respiration in three Caribbean reef corals.
- Acosta, A., and A. Acevedo. 2006. Population structure and colony condition of *Dendrogyra cylindrus* (Anthozoa: Scleractinia) in Providencia Island, Columbian Caribbean. Pages 1605-1610 in Proceedings of the 10th International Coral Reef Symposium, Okinawa, Japan.
- Acropora Biological Review Team. 2005. Atlantic Acropora Status Review Document.
- Adey, W. H. 1978. Coral Reef Morphogenesis: A Multidimensional Model. *Science* 202(4370):831-837.
- Aeby, G., T. Work, D. Fenner, and E. Didonato. 2008. Coral and crustose coralline algae disease on the reefs of American Samoa. Proceedings of the 11th International Coral Reef Symposium, Ft. Lauderdale, Florida
- Aeby, G. S. 2006. Baseline levels of coral disease in the Northwestern Hawaiian Islands. *Atoll Research Bulletin* 543:471-488.
- Aeby, G. S., and D. L. Santavy. 2006. Factors affecting susceptibility of the coral *Montastraea faveolata* to black-band disease. *Marine Ecology Progress Series* 318:103-110.
- Afzal, D., A. Harborne, and P. Raines. 2001. Summary of Coral Cay Conservation's fish and coral species lists compiled in Utila, Honduras. Coral Cay Conservation.
- Albright, R. 2011a. Effects of ocean acidification on early life history stages of Caribbean scleractinian corals. UNIVERSITY OF MIAMI.
- Albright, R. 2011b. Reviewing the Effects of Ocean Acidification on Sexual Reproduction and Early Life History Stages of Reef-Building Corals. *Journal of Marine Biology* 2011:1-14.
- Albright, R., B. Mason, M. Miller, and C. Langdon. 2010. Ocean acidification compromises recruitment success of the threatened Caribbean coral *Acropora palmata*. *Proceedings of the National Academy of Sciences* 107(47):20400-20404.
- Alcolado, P. M., and coauthors. 2001. The Caribbean coastal marine productivity program (CARICOMP). *Bulletin of Marine Science* 69(2):819-829.
- Alcolado, P. M., and coauthors. 2010. Condition of remote reefs off southwest Cuba. *Ciencias Marinas* 36(2):179-197.
- Alvarado-Chacon, E. M., and A. Acosta. 2009. Population size-structure of the reef-coral *Montastraea annularis* in two contrasting reefs of a marine protected area in the southern Caribbean Sea. *Bulletin of Marine Science* 85(1):61-76.
- Alvarado, J. J., and coauthors. 2011. Coral Communities of San Juan Del Sur, Pacific Nicaragua. *Bulletin of Marine Science* 87(1):129-146.
- Andersson, A. J., K. L. Yeakel, N. R. Bates, and S. J. de Putron. 2013. Partial offsets in ocean acidification from changing coral reef biogeochemistry. *Nature Climate Change*.
- Andréfouët, S., F. Benzoni, and C. Payri. 2014. A monospecific *Millepora* reef in Marquesas Islands, French Polynesia. *Coral Reefs*.
- Anthony, K. R. N., D. I. Kline, G. Diaz-Pulido, S. Dove, and O. Hoegh-Guldberg. 2008. Ocean acidification causes bleaching and productivity loss in coral reef builders. *Proceedings of the National Academy of Sciences* 105(45):17442-17446.
- Anthony, K. R. N., and coauthors. 2011. Ocean acidification and warming will lower coral reef resilience. *Global Change Biology* 17:1798–1808.

- Antonius, A. A., and D. Lipscomb. 2000. First protozoan coral-killer identified in the Indo-Pacific. *Atoll Research Bulletin* 481:23.
- Aranda, M., and coauthors. 2011. Differential sensitivity of coral larvae to natural levels of ultraviolet radiation during the onset of larval competence. *Molecular Ecology* 20(14):2955-2972.
- Aronson, R., W. Precht, M. Toscano, and K. Koltes. 2002. The 1998 bleaching event and its aftermath on a coral reef in Belize. *Marine Biology* 141(3):435-447.
- Aronson, R. B., and W. F. Precht. 2001. White-band disease and the changing face of Caribbean coral reefs. *Hydrobiologia* 460(1):25-38.
- Aronson, R. B., W. F. Precht, T. J. T. Murdoch, and M. L. Robbart. 2005. Long-Term Persistence of Coral Assemblages on the Flower Garden Banks, Northwestern Gulf of Mexico: Implications for Science and Management. *Gulf of Mexico Science* 1:84-94.
- Ateweberhan, M., and coauthors. 2013. Climate change impacts on coral reefs: synergies with local effects, possibilities for acclimation, and management implications. *Marine Pollution Bulletin* 74(2):526-39.
- Ateweberhan, M., T. R. McClanahan, N. A. J. Graham, and C. R. C. Sheppard. 2011. Episodic heterogeneous decline and recovery of coral cover in the Indian Ocean. *Coral Reefs* 30(3):739-752.
- Baird, A. H., J. R. Guest, and B. L. Willis. 2009. Systematic and biogeographical patterns in the reproductive biology of scleractinian corals. *Annual Review of Ecology, Evolution, and Systematics* 40:531-571.
- Bak, R. P., and E. H. Meesters. 1999. Population structure as a response of coral communities to global change. *American Zoologist* 39(1):56-65.
- Bak, R. P. M., and S. R. Criens. 1982. Experimental fusion in Atlantic *Acropora* (Scleractinia). *Marine Biology Letters* 3:67-72.
- Bak, R. P. M., and M. S. Engel. 1979. Distribution, abundance and survival of juvenile hermatypic corals (Scleractinia) and the importance of life history strategies in the parent coral community. *Marine Biology* 54(4):341-352.
- Baker, A. 2012. Symbiont displacement in reef corals in an era of global change. 12th International Coral Reef Symposium, Cairns, Australia.
- Baker, A. C., T. R. McClanahan, C. J. Starger, and R. K. Boonstra. 2013. Long-term monitoring of algal symbiont communities in corals reveals stability is taxon dependent and driven by site-specific thermal regime. *Marine Ecology Progress Series* 479:85-97.
- Baker, A. C., C. J. Starger, T. R. McClanahan, and P. W. Glynn. 2004. Corals' adaptive response to climate change. *Nature* 430(7001):741.
- Ban, S. S., N. A. J. Graham, and S. R. Connolly. 2013. Relationships between temperature, bleaching and white syndrome on the Great Barrier Reef. *Coral Reefs* 32(1):1-12.
- Bare, A. Y., and coauthors. 2010. Mesophotic communities of the insular shelf at Tutuila, American Samoa. *Coral Reefs* 29:369-377.
- Barshis, D. J., and coauthors. 2013. Genomic basis for coral resilience to climate change. *Proceeding of the National Academy of Science* 110(4):1387-1392.
- Baums, I. B., and coauthors. 2013. Genotypic variation influences reproductive success and thermal stress tolerance in the reef building coral, *Acropora palmata*. *Coral Reefs*.
- Baums, I. B., C. R. Hughes, and M. E. Hellberg. 2005a. Mendelian microsatellite loci for the Caribbean coral *Acropora palmata*. *Marine Ecology Progress Series* 288:115-127.
- Baums, I. B., M. E. Johnson, M. K. Devlin-Durante, and M. W. Miller. 2010. Host population genetic structure and zooxanthellae diversity of two reef-building coral species along the Florida Reef Tract and wider Caribbean. *Coral Reefs* 29:835-842.

- Baums, I. B., M. W. Miller, and M. E. Hellberg. 2005b. Regionally isolated populations of an imperiled Caribbean coral, *Acropora palmata*. *Molecular Ecology* 14(5):1377-1390.
- Baums, I. B., M. W. Miller, and M. E. Hellberg. 2006a. Geographic variation in clonal structure in a reef-building Caribbean coral, *Acropora palmata*. *Ecological Monographs* 76(4):503-519.
- Baums, I. B., M. W. Miller, and A. M. Szmant. 2003. Ecology of a corallivorous gastropod, *Coralliophila abbreviata*, on two scleractinian hosts. II. Feeding, respiration and growth. *Marine Biology* 142(6):1093-1101.
- Baums, I. B., C. B. Paris, and L. M. Chérubin. 2006b. A bio-oceanographic filter to larval dispersal in a reef-building coral. *Limnology and Oceanography* 51(5):1969-1981.
- Bayraktarov, E., V. Pizarro, C. Eidens, T. Wilke, and C. Wild. 2012. Upwelling mitigates coral bleaching in the Colombian Caribbean. D. Yellowlees, and T. P. Hughes, editors. 12th International Coral Reef Symposium. James Cook University, Cairns, Australia.
- Becker, L. C., and E. Mueller. 2001. The culture, transplantation and storage of *Montastraea faveolata*, *Acropora cervicornis* and *Acropora palmata*: What we have learned so far. *Bulletin of Marine Science* 69(2):881-896.
- Bellantuono, A. J., O. Hoegh-Guldberg, and M. Rodriguez-Lanetty. 2012. Resistance to thermal stress in corals without changes in symbiont composition. *Proceedings of the Royal Society B-Biological Sciences* 279(1731):1100-1107.
- Bellwood, D. R., T. P. Hughes, C. Folke, and M. Nyström. 2004. Confronting the coral reef crisis. *Nature* 429(6994):827-833.
- Benestad, R. E. 2012. Reconciliation of global temperatures. *Environmental Research Letters* 7(1):011002.
- Bigot, L., and H. Amir. 2009. Scleractinia corals of BAA Atoll (Maldives): First checklist and overview of stony corals community structure. *Atoll Research Bulletin* 590:67-83.
- Birkeland, C. 2004. Ratcheting Down the Coral Reefs. *BioScience* 54(11):1021-1027.
- Birkeland, C., and coauthors. 2013. Safety in numbers? Abundance may not safeguard corals from increasing CO2. *BioScience* 63(12):967–974.
- Birkeland, C. E., R. H. Randall, R. C. Wass, B. Smith, and S. Wilkins. 1987. Biological resource assessment of the Fagatele Bay National Marine Sanctuary. NOAA, NOAA Technical Memorandum NOS MEMD 3, Washington D.C.
- Black, N. A., R. Voellmy, and A. M. Szmant. 1995. Heat shock protein induction in *Montastraea faveolata* and *Aiptasia pallida* exposed to elevated temperatures. *The Biological Bulletin* 188(3):234-240.
- Blakeway, D., M. Byers, J. Stoddart, and J. Rossendell. 2013. Coral colonisation of an artificial reef in a turbid nearshore environment, Dampier Harbour, Western Australia. *PLoS ONE* 8(9):e75281.
- Blanchon, P. 2005. Comments on “Corrected western Atlantic sea-level curve for the last 11,000 years based on calibrated 14 C dates from *Acropora palmata* framework and intertidal mangrove peat” by Toscano and Macintyre [Coral Reefs (2003) 22: 257–270]. *Coral Reefs* 24(2):183-186.
- Blanchon, P., A. Eisenhauer, J. Fietzke, and V. Liebetrau. 2009. Rapid sea-level rise and reef back-stepping at the close of the last interglacial highstand. *Nature* 458(7240):881-884.
- Blyth-Skyrme, V. J., J. J. Rooney, F. A. Parrish, and R. C. Boland. 2013. Mesophotic coral ecosystems – potential candidates as essential fish habitat and habitat areas of particular concern., Administrative Report H-13-02.

- Bonaldo, R. M., J. Q. Welsh, and D. R. Bellwood. 2011. Spatial and temporal variation in coral predation by parrotfishes on the GBR: evidence from an inshore reef. *Coral Reefs* 31(1):263-272.
- Bongaerts, P., and coauthors. 2013. Sharing the slope: depth partitioning of agariciid corals and associated Symbiodinium across shallow and mesophotic habitats (2-60 m) on a Caribbean reef. *BMC Evolutionary Biology* 13(1):205.
- Bongaerts, P., and coauthors. 2012. The role of deep reefs in shallow reef recovery. 12th International Coral Reef Symposium, Cairns, Australia.
- Bonin, M. C. 2012. Specializing on vulnerable habitat: *Acropora* selectivity among damselfish recruits and the risk of bleaching-induced habitat loss. *Coral Reefs* 31(1):287-297.
- Bonkosky, M., and coauthors. 2009. Detection of spatial fluctuations of non-point source fecal pollution in coral reef surrounding waters in southwestern Puerto Rico using PCR-based assays. *Marine Pollution Bulletin* 58(1):45-54.
- Borger, J. L., and S. C. C. Steiner. 2005. The spatial and temporal dynamics of coral diseases in Dominica, West Indies. *Bulletin of Marine Science* 77(1):137-154.
- Bowden-Kerby, A., and L. Carne. 2012. Thermal tolerance as a factor in Caribbean *Acropora* restoration. Proceedings of the 12th International Coral Reef Symposium, Cairns, Australia.
- Bowden-Kerby, A., N. Quinn, M. Stennet, and A. Mejia. 2005. *Acropora cervicornis* restoration to support coral reef conservation in the Caribbean. NOAA Coastal Zone 5.
- Brainard, R., and coauthors. 2005. The state of coral reef ecosystems of the US Pacific remote island areas. Pages 338-372 in J. Waddell, editor. *The state of coral reef ecosystems of the United States and Pacific Freely Associated States: 2005*. NOAA/National Centers for Coastal Ocean Science, Silver Spring, MD.
- Brainard, R. E., and coauthors. 2011. Status review report of 82 candidate coral species petitioned under the U.S. Endangered Species Act. U.S. Dep. Commer.
- Brandt, M., T. Smith, A. George, and R. Stolz. 2012. Investigating the role of coral disease in a potential reef refuge. 12th International Coral Reef Symposium, Cairns, Australia.
- Brandt, M. E. 2009. The effect of species and colony size on the bleaching response of reef-building corals in the Florida Keys during the 2005 mass bleaching event. *Coral Reefs* 28(4):911-924.
- Brandt, M. E., and J. W. McManus. 2009. Disease incidence is related to bleaching extent in reef-building corals. *Ecology* 90(10):2859-2867.
- Brandt, M. E., T. B. Smith, A. M. S. Correa, and R. Vega-Thurber. 2013. Disturbance Driven Colony Fragmentation as a Driver of a Coral Disease Outbreak. *PLoS ONE* 8(2):e57164.
- Brazeau, D. A., M. P. Lesser, and M. Slattery. 2013. Genetic Structure in the Coral, *Montastraea cavernosa*: Assessing Genetic Differentiation among and within Mesophotic Reefs. *PLoS ONE* 8(5):e65845.
- Bridge, T., R. Beaman, T. Done, and J. Webster. 2012a. Predicting the location and spatial extent of submerged coral reef habitat in the Great Barrier Reef world heritage area, Australia. *PLoS ONE* 7(10):e48203.
- Bridge, T., and J. Guinotte. 2012. Mesophotic coral reef ecosystems in the Great Barrier Reef world heritage area: their potential distribution and possible role as refugia from disturbance,, Townsville.
- Bridge, T., and J. Guinotte. 2013. Mesophotic coral reef ecosystems in the Great Barrier Reef world heritage area: their potential distribution and possible role as refugia from disturbance, Research Publication no. 109, Townsville.

- Bridge, T. C. L., and coauthors. 2012b. Diversity of Scleractinia and Octocorallia in the mesophotic zone of the Great Barrier Reef, Australia. *Coral Reefs*:1-11.
- Bridge, T. C. L., and coauthors. 2013a. Depth-dependent mortality of reef corals following a severe bleaching event: implications for thermal refuges and population recovery [v1; ref status: approved 1, approved with reservations 1, <http://f1000r.es/1o2>]. *F1000Research* 2013 2:187.
- Bridge, T. C. L., T. P. Hughes, J. M. Guinotte, and P. Bongaerts. 2013b. Call to protect all coral reefs. *Nature Climate Change* 3(6):528-530.
- Bright, A. J., D. E. Williams, K. L. Kramer, and M. W. Miller. 2013. Recovery of *Acropora Palmata* in Curacao: a Comparison with the Florida Keys. *Bulletin of Marine Science* 89(3):747-757.
- Bright, T. J., G. P. Kraemer, G. A. Minnery, and S. T. Viada. 1984. Hermatypes of the Flower Garden Banks, northwestern Gulf of Mexico: A comparison to other western Atlantic reefs. *Bulletin of Marine Science* 34(3):461-476.
- Brown, B. E., and A. R. Cossins. 2011. The Potential for Temperature Acclimatisation of Reef Corals in the Face of Climate Change. Pages 421-433 *in* Z. Dubinsky, and N. Stambler, editors. *Coral Reefs: An Ecosystem in Transition*. Springer.
- Brown, B. E., and Suharsono. 1990. Damage and recovery of coral reefs affected by El Niño related seawater warming in the Thousand Islands, Indonesia. *Coral Reefs* 8(4):163-170.
- Browne, N. K., S. G. Smithers, and C. T. Perry. 2012. Coral reefs of the turbid inner-shelf of the Great Barrier Reef, Australia: An environmental and geomorphic perspective on their occurrence, composition and growth. *Earth-Science Reviews*.
- Bruckner, A. 2001. Tracking the trade in ornamental coral reef organisms: the importance of CITES and its limitations. *Aquarium Sciences and Conservation* 3(1):79-94.
- Bruckner, A. 2012a. Factors contributing to the regional decline of *Montastraea annularis* (complex). D. Yellowlees, and T. P. Hughes, editors. 12th International Coral Reef Symposium. James Cook University, Cairns, Australia.
- Bruckner, A. 2012b. Global Reef Expedition: Navassa. Field Report., Landover, MD.
- Bruckner, A., and R. Bruckner. 2001. Condition of restored *Acropora palmata* fragments off Mona Island, Puerto Rico, 2 years after the Fortuna Reefer ship grounding. *Coral Reefs* 20(3):235-243.
- Bruckner, A., and R. Bruckner. 2006a. The recent decline of *Montastraea annularis* (complex) coral populations in western Curaçao: a cause for concern? *Revista de Biología Tropical* 54:45-58.
- Bruckner, A., R. Bruckner, and P. Sollins. 2000. Parrotfish predation on live coral: "spot biting" and "focused biting". *Coral Reefs* 19(1):50-50.
- Bruckner, A. W. 2012c. Static measurements of the resilience of Caribbean coral populations. *Revista Biología Tropical* 60(Suppl. 1):39-57.
- Bruckner, A. W., and E. H. Borneman. 2006. Developing a sustainable harvest regime for Indonesia's stony coral fishery with application to other coral exporting countries. Pages 1692-1697 *in* Proceedings of 10th International Coral Reef Symposium.
- Bruckner, A. W., and R. J. Bruckner. 2006b. Consequences of yellow band disease (YBD) on *Montastraea annularis* (species complex) populations on remote reefs off Mona Island, Puerto Rico. *Diseases of Aquatic Organisms* 69(1):67-73.
- Bruckner, A. W., and R. L. Hill. 2009. Ten years of change to coral communities off Mona and Desecheo Islands, Puerto Rico, from disease and bleaching. *Diseases of Aquatic Organisms* 87(1-2):19-31.

- Bruno, J., C. Siddon, J. Witman, P. Colin, and M. Toscano. 2001. El Nino related coral bleaching in Palau, western Caroline Islands. *Coral Reefs* 20(2):127-136.
- Bruno, J. F., L. E. Petes, C. Drew Harvell, and A. Hettinger. 2003. Nutrient enrichment can increase the severity of coral diseases. *Ecology Letters* 6(12):1056-1061.
- Bruno, J. F., and E. R. Selig. 2007. Regional decline of coral cover in the Indo-Pacific: timing, extent, and subregional comparisons. *PLoS ONE* 2(8):e711.
- Bruno, J. F., and coauthors. 2007. Thermal stress and coral cover as drivers of coral disease outbreaks. *PLoS Biology* 5(6):e124.
- Budd, A. F., H. Fukami, N. D. Smith, and N. Knowlton. 2012. Taxonomic classification of the reef coral family Mussidae (Cnidaria: Anthozoa: Scleractinia). *Zoological Journal of the Linnean Society* 166(3):465-529.
- Buddemeier, R., D. R. Lane, and J. Martinich. 2011. Modeling regional coral reef responses to global warming and changes in ocean chemistry: Caribbean case study. *Climatic Change* 109(3):375-397.
- Budget, O. o. M. a. 2005. Final Information Quality Bulletin for Peer Review. *Federal Register* 70(10):2664-2677.
- Burge, C. A., and coauthors. 2014. Climate Change Influences on Marine Infectious Diseases: Implications for Management and Society. *Annual Review of Marine Science* 6(1):249-277.
- Burke, L., K. Reytar, M. Spalding, and A. Perry. 2011. Reefs at risk revisited. World Resources Institute, Washington, DC.
- Burkepile, D., and M. Hay. 2008. Herbivore species richness and feeding complementarity affect community structure and function on a coral reef. *Proceedings of the National Academy of Sciences* 105(42):16201.
- Burman, S. G., R. B. Aronson, and R. van Woesik. 2012. Biotic homogenization of coral assemblages along the Florida reef tract. *Marine Ecology Progress Series* 467:89-96.
- Burns, T. P. 1985. Hard-coral distribution and cold-water disturbances in South Florida: variation with depth and location. *Coral Reefs* 4(2):117-124.
- Bythell, J. C. 1990. Nutrient uptake in the reef-building coral *Acropora palmata* at natural environmental concentrations. *Marine Ecology Progress Series* 68:1-2.
- Cahill, A. E., and coauthors. 2013. How does climate change cause extinction? *Proceedings of the Royal Society B: Biological Sciences* 280(1750).
- Cairns, S. D. 1982. Stony corals (Cnidaria: Hydrozoa, Scleractinia) of Carrie Bow Cay, Belize. Pages 271-302 in K. Rützler, and I. G. Macintyre, editors. *The Atlantic Barrier Reef Ecosystem at Carrie Bow Cay, Belize., I. Structure and Communities., volume 1.* Smithsonian Institution Press, Washington, DC, USA.
- Carilli, J. E., R. D. Norris, B. Black, S. M. Walsh, and M. McField. 2010. Century-scale records of coral growth rates indicate that local stressors reduce coral thermal tolerance threshold. *Global Change Biology* 16(4):1247-1257.
- Carilli, J. E., R. D. Norris, B. A. Black, S. M. Walsh, and M. McField. 2009. Local stressors reduce coral resilience to bleaching. *PLoS ONE* 4(7):e6324.
- Carpenter, K. E., and coauthors. 2008. One-Third of Reef-Building Corals Face Elevated Extinction Risk from Climate Change and Local Impacts. *Science* 321(5888):560-563.
- Carricart-Ganivet, J. P., N. Cabanillas-Terán, I. Cruz-Ortega, and P. Blanchon. 2012. Sensitivity of Calcification to Thermal Stress Varies among Genera of Massive Reef-Building Corals. *PLoS ONE* 7(3):e32859.

- Carrigan, A. D. 2012. Tropical cyclone induced cooling: another mechanism for providing thermal refuge for coral reefs in an era of climate warming? dissertation. University of Wollongong.
- Castillo, K. D., J. B. Ries, J. M. Weiss, and F. P. Lima. 2012. Decline of forereef corals in response to recent warming linked to history of thermal exposure. *Nature Climate Change*.
- Ceccarelli, D. M., Z. T. Richards, M. S. Pratchett, and C. Cvitanovic. 2011. Rapid increase in coral cover on an isolated coral reef, the Ashmore Reef National Nature Reserve, north-western Australia. *Marine and Freshwater Research* 62(10):1214-1220.
- Cerrano, C., and coauthors. 2013. Red coral extinction risk enhanced by ocean acidification. *Sci Rep* 3:1457.
- Chan, N. C. S., and S. R. Connolly. 2013. Sensitivity of coral calcification to ocean acidification: a meta-analysis. *Global Change Biology* 19(1):282-290.
- Chauvin, A., V. Denis, and P. Cuet. 2011. Is the response of coral calcification to seawater acidification related to nutrient loading? *Coral Reefs* 30(4):911-923.
- Cheal, A. J., and coauthors. 2010. Coral–macroalgal phase shifts or reef resilience: links with diversity and functional roles of herbivorous fishes on the Great Barrier Reef. *Coral Reefs* 29(4):1005-1015.
- Chiappone, M., and K. M. Sullivan. 1996. Distribution, abundance and species composition of juvenile scleractinian corals in the Florida reef tract. *Bulletin of Marine Science* 58(2):555-569.
- CITES. 2010. Convention on International Trade in Endangered Species trade database. Pages export quotas: <http://www.cites.org/eng/resources/quotas/index.shtml>; international trade data: <http://www.unep-wcmc.org/citestrade/expert.cfm?CFID=38999683&CFTOKEN=65497723> in. UNEP World Conservation Monitoring Centre, Cambridge, UK.
- Clark, R., C. Jeffrey, K. Woody, Z. Hillis-Starr, and M. Monaco. 2009. Spatial and temporal patterns of coral bleaching around Buck Island Reef National Monument, St. Croix, US Virgin Islands. *Bulletin of Marine Science* 84(2):167-182.
- Cohen, F. P. A., W. C. Valenti, and R. Calado. 2013. Traceability Issues in the Trade of Marine Ornamental Species. *Reviews in Fisheries Science* 21(2):98-111.
- Cole, A. J., M. S. Pratchett, and G. P. Jones. 2010. Corallivory in tubelip wrasses: diet, feeding and trophic importance. *Journal of Fish Biology* 76:818-835.
- Colella, M. A., R. R. Ruzicka, J. A. Kidney, J. M. Morrison, and V. B. Brinkhuis. 2012. Cold-water event of January 2010 results in catastrophic benthic mortality on patch reefs in the Florida Keys. *Coral Reefs*.
- Coles, S. L., R. C. DeFelice, and D. Minton. 2001. Marine species survey of Johnston Atoll, Central Pacific Ocean, June 2000, Bishop Museum Technical Report no. 19, Honolulu, Hawai'i.
- Coles, S. L., and B. M. Riegl. 2013. Thermal tolerances of reef corals in the Gulf: a review of the potential for increasing coral survival and adaptation to climate change through assisted translocation. *Mar Pollut Bull* 72(2):323-32.
- Colgan, M. W. 1987. Coral reef recovery on Guam (Micronesia) after catastrophic predation by *Acanthaster planci*. *Ecology* 68:1592-1605.
- Comeau, S., P. J. Edmunds, N. B. Spindel, and R. C. Carpenter. 2014. Diel pCO₂ oscillations modulate the response of the coral *Acropora hyacinthus* to ocean acidification. *Marine Ecology Progress Series* 501:99-111.
- Connolly, S. R., M. A. Lopez-Yglesias, and K. R. N. Anthony. 2012. Food availability promotes rapid recovery from thermal stress in a scleractinian coral. *Coral Reefs* 31(4):951-960.
- Coral Restoration Foundation. 2013. How corals spawn and a look back at CRF history.

- Couce, E., P. Irvine, L. Gregorie, A. Ridgwell, and E. Hendy. 2013a. Tropical coral reef habitat in a geoen지니어ed, high-CO₂ world. *Geophysical Research Letters*.
- Couce, E., A. Ridgwell, and E. J. Hendy. 2012. Environmental controls on the global distribution of shallow-water coral reefs. *Journal of Biogeography* 39(8):1508-1523.
- Couce, E., A. Ridgwell, and E. J. Hendy. 2013b. Future habitat suitability for coral reef ecosystems under global warming and ocean acidification. *Global Change Biology*.
- Craig, P., C. Birkeland, and S. Belliveau. 2001. High temperatures tolerated by a diverse assemblage of shallow-water corals in American Samoa. *Coral Reefs* 20(2):185-189.
- Cramer, K. L., J. B. C. Jackson, C. V. Angioletti, J. Leonard-Pingel, and T. P. Guilderson. 2012. Anthropogenic mortality on coral reefs in Caribbean Panama predates coral disease and bleaching. *Ecology Letters* 15(6):561-567.
- CRAMP. 2008a. *Montipora flabellata* state-wide summary from Hawaii Coral Reef Assessment and Monitoring Program (CRAMP) data. http://cramp.wcc.hawaii.edu/LT_Monitoring_files/Coral_Species.htm.
- CRAMP. 2008b. *Montipora patula* statewide summary from Hawaii Coral Reef Assessment and Monitoring Program (CRAMP) data. http://cramp.wcc.hawaii.edu/LT_Monitoring_files/Coral_Species.htm.
- Crawley, A., D. I. Kline, S. Dunn, K. Anthony, and S. Dove. 2010. The effect of ocean acidification on symbiont photorespiration and productivity in *Acropora formosa*. *Global Change Biology* 16(2):851-863.
- Crook, E. D., A. L. Cohen, M. Rebolledo-Vieyra, L. Hernandez, and A. Paytan. 2013. Reduced calcification and lack of acclimatization by coral colonies growing in areas of persistent natural acidification. *Proceedings of the National Academy of Sciences* 110(27):11044-9.
- Crook, E. D., D. Potts, M. Rebolledo-Vieyra, L. Hernandez, and A. Paytan. 2012. Calcifying coral abundance near low-pH springs: implications for future ocean acidification. *Coral Reefs* 31(1):239–245.
- Croquer, A., and coauthors. 2006. First report of folliculinid ciliates affecting Caribbean scleractinian corals. *Coral Reefs* 25(2):187-191.
- Croquer, A., and E. Weil. 2009. Changes in Caribbean coral disease prevalence after the 2005 bleaching event. *Diseases of Aquatic Organisms* 87(1).
- Cruz-Piñón, G., J. P. Carricart-Ganivet, and J. Espinoza-Avalos. 2003. Monthly skeletal extension rates of the hermatypic corals *Montastraea annularis* and *Montastraea faveolata*: biological and environmental controls. *Marine Biology* 143(3):491-500.
- Cumbo, V. R., P. J. Edmunds, C. B. Wall, and T.-Y. Fan. 2013. Brooded coral larvae differ in their response to high temperature and elevated pCO₂ depending on the day of release. *Marine Biology* 160(11):2903-2917.
- Cunning, R., and A. C. Baker. 2013. Excess algal symbionts increase the susceptibility of reef corals to bleaching. *Nature Climate Change* 3(3):259-262.
- Cunning, R., P. W. Glynn, and A. C. Baker. 2013. Flexible associations between Pocillopora corals and Symbiodinium limit utility of symbiosis ecology in defining species. *Coral Reefs*:1-7.
- Dalton, S. J., and G. Roff. 2013. Spatial and temporal patterns of eastern Australia subtropical coral communities. *PLoS ONE* 8(9):e75873.
- Darling, E. S., L. Alvarez-Filip, T. A. Oliver, T. R. McClanahan, and I. M. Côté. 2012. Evaluating life-history strategies of reef corals from species traits. *Ecology Letters*.
- Davis, G. E. 1982. A century of natural change in coral distribution at the Dry Tortugas: A comparison of reef maps from 1881 and 1976. *Bulletin of Marine Science* 32(2):608-623.

- De'ath, G., and P. J. Moran. 1998. Factors affecting the behaviour of crown-of-thorns starfish (*Acanthaster planci* L.) on the Great Barrier Reef: 2: Feeding preferences. *Journal of Experimental Marine Biology and Ecology* 220(1):107-126.
- De'ath, G., K. E. Fabricius, H. Sweatman, and M. Puotinen. 2012. The 27-year decline of coral cover on the Great Barrier Reef and its causes. *Proceedings of the National Academy of Sciences* 109(44):17995-17999.
- Depczynski, M., and coauthors. 2012. Bleaching, coral mortality and subsequent survivorship on a West Australian fringing reef. *Coral Reefs*:1-6.
- DeVantier, L. M., C. P. S. Cheung, M. A. Abdul Aziz, and R. Klaus. 2005. Coral bleaching in the Socotra Archipelago, Yemen, May-June 1998. A. Abuzinada, editor *Proceedings of the International Workshop on the Extent and Impact of Coral Reef Bleaching in the Arabian Region*. National Commission for Wildlife Conservation and Development, Kingdom of Saudi Arabia Publ.
- Diaz-Pulido, G., and coauthors. 2009. Doom and boom on a resilient reef: climate change, algal overgrowth and coral recovery. *PLoS ONE* 4:9.
- Dodge, R. E., A. Logan, and A. Antonius. 1982. Quantitative reef assessment studies in Bermuda: a comparison of methods and preliminary results. *Bulletin of Marine Science* 32(3):745-760.
- Dollar, S. J., and R. W. Grigg. 2004. Anthropogenic and natural stresses on selected coral reefs in Hawai'i: a multidecade synthesis of impact and recovery. *Pacific Science* 58:281-304.
- Done, T., and coauthors. 2003a. Testing bleaching resistance hypotheses for the 2002 Great Barrier Reef bleaching event. Unpublished report to The Nature Conservancy. Australian Institute of Marine Science.
- Done, T. J. 1982. Patterns in the distribution of coral communities across the central Great Barrier Reef. *Coral Reefs* 1(2):95-107.
- Done, T. J., and coauthors. 2003b. Testing bleaching resistance hypotheses for the 2002 Great Barrier Reef bleaching event. Australian Institute of Marine Science, Townsville, Australia.
- Doney, S., and coauthors. 2014. Ch. 24: Oceans and Marine Resources. Pages 557-578. *in* J. M. Melillo, T. C. Richmond, and G. W. Yohe, editors. *Climate Change Impacts in the United States: The Third National Climate Assessment*. U.S. Global Change Research Program.
- Donnelly, R., D. Neville, and P. J. Mous. 2003. Report on a rapid ecological assessment of the Raja Ampat Islands, Papua, Eastern Indonesia,, Bali, Indonesia.
- Donner, S. D. 2009. Coping with commitment: projected thermal stress on coral reefs under different future scenarios. *PLoS ONE* 4(6):e5712.
- Doropoulos, C., and G. Diaz-Pulido. 2013. High CO₂ reduces the settlement of a spawning coral on three common species of crustose coralline algae. *Marine Ecology Progress Series* 475:93-99.
- Dove, S. G., and coauthors. 2013. Future reef decalcification under a business-as-usual CO₂ emission scenario. *Proceedings of the National Academy of Sciences of the United States of America* 110(38):15342-7.
- Drenkard, E. J., and coauthors. 2013. Calcification by juvenile corals under heterotrophy and elevated CO₂. *Coral Reefs*:1-9.
- Dustan, P. 1977. Vitality of reef coral populations off Key Largo, Florida: recruitment and mortality. *Environmental Geology* 2(1):51-58.
- Easterling, D. R., and M. F. Wehner. 2009. Is the climate warming or cooling? *Geophysical Research Letters* 36(8):L08706,.

- Edmunds, P., C. Ross, and C. Didden. 2011. High, but localized recruitment of *Montastraea annularis* complex in St. John, United States Virgin Islands. *Coral Reefs* 30(1):123-130.
- Edmunds, P. J. 2002. Long-term dynamics of coral reefs in St. John, US Virgin Islands. *Coral Reefs* 21(4):357-367.
- Edmunds, P. J. 2013. Decadal-scale changes in the community structure of coral reefs of St. John, US Virgin Islands. *Marine Ecology Progress Series* 489:107-123.
- Edmunds, P. J., J. F. Bruno, and D. B. Carlton. 2004. Effects of depth and microhabitat on growth and survivorship of juvenile corals in the Florida Keys. *Marine Ecology Progress Series* 278:115-124.
- Edmunds, P. J., and R. Elahi. 2007. The demographics of a 15-year decline in cover of the Caribbean reef coral *Montastraea annularis*. *Ecological Monographs* 77(1):3-18.
- England, M. H., and coauthors. 2014. Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus. *Nature Climate Change*.
- Enochs, I. C., and coauthors. 2014. Effects of light and elevated pCO₂ on the growth and photochemical efficiency of *Acropora cervicornis*. *Coral Reefs*.
- Fabricius, K. E., S. Cseke, C. Humphrey, and G. De'ath. 2013. Does Trophic Status Enhance or Reduce the Thermal Tolerance of Scleractinian Corals? A Review, Experiment and Conceptual Framework. *PLoS ONE* 8(1).
- Fabricius, K. E., and coauthors. 2011. Losers and winners in coral reefs acclimatized to elevated carbon dioxide concentrations. *Nature Climate Change* 1(3):165-169.
- Fenner, D. 2005. *Corals of Hawai'i*. Mutual Publishing, Honolulu.
- Fenner, D. 2011. Reef corals of the eastern lagoon (Touho-Ponerihouen) of Grande-Terre, New Caledonia. *RAP*:141.
- Fenner, D. 2012. Challenges for Managing Fisheries on Diverse Coral Reefs. *Diversity* 4(1):105-160.
- Fenner, D. 2013a. Field guide to the Coral Species of the Samoan Archipelago: American Samoa and (independent) Samoa. Dept. Marine & Wildlife Resources, American Samoa.
- Fenner, D. 2013b. Reef Flat Growth. Comment on "Rising Sea Level May Cause Decline of Fringing Coral Reefs". *Eos* 93(23):218.
- Fenner, D. 2014a. Benthic Identification for Coral Reef Monitoring in American Samoa, an electronic field guidebook. Dept. Marine & Wildlife Resources, American Samoa.
- Fenner, D. 2014b. Indo-Pacific coral species identification uncertainty.
- Fenner, D., and S. F. Heron. 2008. Annual summer bleaching of a multi-species coral community in backreef pools of American Samoa: a window on the future? Pages 1289-1293 in *Proceedings of the 11th International Coral Reef Symposium*, Ft. Lauderdale, FL.
- Fenner, D., and coauthors. 2008. The state of coral reef ecosystems of American Samoa. Pages 307-351 in J. E. Waddell, and A. M. Clarke, editors. *The state of coral reef ecosystems of the United States and Pacific Freely Associated States: 2008*. NOAA/National Centers for Coastal Ocean Science, Silver Spring, MD.
- Ferrier-Pagès, C., C. Rottier, E. Beraud, and O. Levy. 2010. Experimental assessment of the feeding effort of three scleractinian coral species during a thermal stress: Effect on the rates of photosynthesis. *Journal of Experimental Marine Biology and Ecology* 309(2):118-124.
- Ferse, S. C. A., L. Knittweis, G. Krause, A. Maddusila, and M. Glaser. 2012. Livelihoods of Ornamental Coral Fishermen in South Sulawesi/Indonesia: Implications for Management. *Coastal Management* 40(5):525-555.
- Fine, M., H. Gildor, and A. Genin. 2013. A coral reef refuge in the Red Sea. *Glob Chang Biol*.

- Fisk, D. A., and T. J. Done. 1985. Taxonomic and bathymetric patterns of bleaching in corals, Myrmidon Reef (Queensland). Pages 149-154 in Proceedings of the Fifth International Coral Reef Congress, Tahiti.
- Fitt, W. K., H. J. Spero, J. Halas, M. W. White, and J. W. Porter. 1993. Recovery of the coral *Montastrea annularis* in the Florida Keys after the 1987 Caribbean "bleaching event". *Coral Reefs* 12(2):57-64.
- Florida Fish and Wildlife Conservation Commission. 2013. A Species Action Plan for the Pillar Coral *Dendrogyra cylindrus*, Final Draft. Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.
- Fogarty, N., M. Lowenberg, M. Ojima, N. Knowlton, and D. Levitan. 2012a. Asymmetric conspecific sperm precedence in relation to spawning times in the *Montastraea annularis* species complex (Cnidaria: Scleractinia). *Journal of Evolutionary Biology* 25(12):2481-2488.
- Fogarty, N. D., S. V. Vollmer, and D. R. Levitan. 2012b. Weak Prezygotic Isolating Mechanisms in Threatened Caribbean *Acropora* Corals. *PLoS ONE* 7(2):e30486.
- Fogarty, N. D., S. V. Vollmer, and D. R. Levitan. 2012c. Weak Prezygotic Isolating Mechanisms in Threatened Caribbean *Acropora* Corals. *PLoS ONE* 7(2):e30486.
- Fong, P., and D. Lirman. 1995. Hurricanes cause population expansion of the branching coral *Acropora palmata* (Scleractinia): wound healing and growth patterns of asexual recruits. *Marine Ecology* 16(4):317-335.
- Forsman, Z. H., D. J. Barshis, C. L. Hunter, and R. J. Toonen. 2009. Shape-shifting corals: Molecular markers show morphology is evolutionarily plastic in *Porites*. *BMC Evolutionary Biology* 9:45.
- Forsman, Z. H., and coauthors. 2010. Ecomorph or endangered coral? DNA and microstructure reveal Hawaiian species complexes: *Montipora dilitata/flabellata/turgescens* & *M. patula/verrilli*. *PLoS One* In press.
- Forsman, Z. H., E. C. Johnston, A. W. J. Brooks, T. C. Adam, and R. J. Toonen. 2013. Genetic Evidence for Regional Isolation of Pocillopora Corals from Moorea. *Oceanography* 26(3).
- Foster, N. L., I. B. Baums, and P. J. Mumby. 2007. Sexual vs. asexual reproduction in an ecosystem engineer: the massive coral *Montastraea annularis*. *Journal of Animal Ecology* 76(2):384-391.
- Foster, N. L., and coauthors. 2013. Hurricane-Driven Patterns of Clonality in an Ecosystem Engineer: The Caribbean Coral *Montastraea annularis*. *PLoS ONE* 8(1):e53283.
- Foster, N. L., and coauthors. 2012. Connectivity of Caribbean coral populations: complementary insights from empirical and modelled gene flow. *Molecular Ecology* 21(5):1143-1157.
- Fournie, J. W., D. N. Vivian, S. H. Yee, L. A. Courtney, and M. G. Barron. 2012. Comparative sensitivity of six scleractinian corals to temperature and solar radiation. *Diseases of Aquatic Organisms* 99(2):85-93.
- Franklin, E. C., P. L. Jokiel, and M. J. Donahue. 2013. Predictive modeling of coral distribution and abundance in the Hawaiian Islands. *Marine Ecology Progress Series* 481:121-132.
- Friedlander, A. M., and E. K. Brown. 2005. Hanalei benthic communities since 1992: spatial and temporal trends in a dynamic Hawaiian coral reef ecosystem. University of Hawai'i at Hilo, Hawai'i Cooperative Studies Unit Technical Report HCSU-003, Hilo, Hawai'i.
- Frieler, K., and coauthors. 2012. Limiting global warming to 2 °C is unlikely to save most coral reefs. *Nature Climate Change*.
- Fukami, H., and coauthors. 2004. Geographic differences in species boundaries among members of the *Montastraea annularis* complex based on molecular and morphological markers. *Evolution* 58(2):324-337.

- Garcia Reyes, J., and N. V. Schizas. 2010. No two reefs are created equal: fine-scale population structure in the threatened coral species *Acropora palmata* and *A. cervicornis*. *Aquatic Biology* 10:69-83.
- García Sais, J. R., S. Williams, R. Esteves, J. Sabater Clavell, and M. Carlo. 2013. Synoptic Survey of Acroporid Corals in Puerto Rico, 2011-2013; Final Report. submitted to the Puerto Rico Department of Natural and Environmental Resources (DNER).
- Gardner, T. A., I. M. Côté, J. A. Gill, A. Grant, and A. R. Watkinson. 2003. Long-term region-wide declines in Caribbean corals. *Science* 301(5635):958-960.
- Garrison, V., and G. Ward. 2008. Storm-generated coral fragments-A viable source of transplants for reef rehabilitation. *Biological Conservation* 141(12):3089-3100.
- Ghiold, J., and S. H. Smith. 1990. Bleaching and recovery of deep-water, reef-dwelling invertebrates in the Cayman Islands, B.W.I. *Caribbean Journal of Science* 26(1-2):52-61.
- Gil-Agudelo, D. L., G. W. Smith, and E. Weil. 2006. The white band disease type II pathogen in Puerto Rico. *Revista de Biología Tropical* 54:59-67.
- Gilmore, M. D., and B. R. Hall. 1976. Life history, growth habits, and constructional roles of *Acropora cervicornis* in the patch reef environment. *Journal of Sedimentary Research* 46(3):519-522.
- Gilmour, J. P., L. D. Smith, A. J. Heyward, A. H. Baird, and M. S. Pratchett. 2013. Recovery of an Isolated Coral Reef System Following Severe Disturbance. *Science* 340(6128):69-71.
- Ginsburg, R. N., and J. C. Lang. 2003. Status of coral reefs in the western Atlantic: Results of initial surveys, Atlantic and Gulf Rapid Reef Assessment(AGRR) program. *Atoll Research Bulletin* 496.
- Gischler, E. 2007. A decade of decline of massive corals in Florida patch reefs. *Atoll Research Bulletin* 547:1-12.
- Gleason, M. G. 1993. Effects of disturbance on coral communities: bleaching in Moorea, French Polynesia. *Coral Reefs* 12(3):193-201.
- Goldberg, W. M. 1973. The ecology of the coral octocoral communities off the southeast Florida coast: geomorphology, species composition and zonation. *Bulletin of Marine Science* 23:465-488.
- Gomez, E. D., A. C. Alcala, and A. C. San Diego. 1981. Status of Philippine coral reefs - 1981. *Proceedings of the Fourth International Coral Reef Symposium, Manila*.
- González-Díaz, P., G. González-Sansón, S. Álvarez Fernández, and O. Perera Pérez. 2010. High spatial variability of coral, sponges and gorgonian assemblages in a well preserved reef. *Revista de Biología Tropical* 58(2):621-634.
- González-Díaz, S. P., G. González-Sansón, Y. P. Cubero, Y. Cabrales, and S. Á. Fernández. 2008. Estructura de las poblaciones de *Acropora palmata*, *Porites astreoides* y *Agaricia agaricites* forma masiva (Cnidaria; Scleractinia) en el arrecife de Playa Baracoa, Cuba. *Rev. Invest. Mar* 29(3):213-223.
- Good, T. P., R. S. Waples, P. Adams, and (eds). 2005. Updated status of federally listed ESUs of West Coast salmon and steelhead. NOAA Tech. Memo. NMFS-NWFSC-66. U.S. Dept. Commerce, 598 p.
- Goreau, T. F. 1959. The ecology of Jamaican coral reefs I. Species composition and zonation. *Ecology* 40(1):67-90.
- Goreau, T. F., J. C. Lang, E. A. Graham, and P. D. Gareau. 1972. Structure and ecology of the Saipan reefs in relation to predation by *Acanthaster planci* (Linnaeus). *Bulletin of Marine Science* 22(1):113-152.
- Goreau, T. F., and J. W. Wells. 1967. The Shallow-Water Scleractinia of Jamaica: Revised List of Species and their Vertical Distribution Range. *Bulletin of Marine Science* 17(2):442-453.

- Goto, K., and coauthors. 2010. Distribution of boulders at Miyara Bay of Ishigaki Island, Japan: A flow characteristic indicator of tsunami and storm waves. *Island Arc* 19(3):412-426.
- Graham, J., and R. van Woesik. 2013. The effects of partial mortality on the fecundity of three common Caribbean corals. *Marine Biology*:1-5.
- Granados-Cifuentes, C., A. J. Bellantuono, T. Ridgway, O. Hoegh-Guldberg, and M. Rodriguez-Lanetty. 2013. High natural gene expression variation in the reef-building coral *Acropora millepora*: potential for acclimative and adaptive plasticity. *BMC Genomics* 14:228.
- Green, E., and F. Shirley. 1999. *The global trade in corals*. World Conservation Press, Cambridge UK.
- Greer, L., J. E. Jackson, H. A. Curran, T. Guilderson, and L. Teneva. 2009. How vulnerable is *Acropora cervicornis* to environmental change? Lessons from the early to middle Holocene. *Geology* 37(3):263-266.
- Grigg, R. W. 1984. Resource Management of Precious Corals. *Marine Ecology* 5(1):57-74.
- Grigg, R. W., and J. E. Maragos. 1974. Recolonization of hermatypic corals on submerged lava flows in Hawaii. *Ecology*:387-395.
- Grober-Dunsmore, R., V. Bonito, and T. K. Frazer. 2006. Potential inhibitors to recovery of *Acropora palmata* populations in St. John, US Virgin Islands. *Marine Ecology Progress Series* 321:123-132.
- Guemas, V., F. J. Doblás-Reyes, I. Andreu-Burillo, and M. Asif. 2013. Retrospective prediction of the global warming slowdown in the past decade. *Nature Climate Change* advance online publication.
- Guest, J. R., and coauthors. 2012. Contrasting Patterns of Coral Bleaching Susceptibility in 2010 Suggest an Adaptive Response to Thermal Stress. *PLoS ONE* 7(3):e33353.
- Haapkyla, J., A. S. Seymour, J. Trebilco, and D. Smith. 2007. Coral disease prevalence and coral health in the Wakatobi Marine Park, south-east Sulawesi, Indonesia. *J. Mar. Biol. Ass. U.K* 87:403-414.
- Hall, E. R., K. B. Ritchie, and D. Vaughan. 2012. Development of ocean acidification flow-thru experimental raceway units (OAFTERU): simulating the future reefs in the Keys, today.
- Halpern, B. S., and coauthors. 2013. Marine protected areas and resilience to sedimentation in the Solomon Islands. *Coral Reefs* 32(1):61-69.
- Hansen, J., R. Ruedy, M. Sato, and K. Lo. 2012. *Global Temperature in 2011, Trends, and Prospects*. NASA.
- Harvell, C. D., and coauthors. 1999. Emerging marine diseases--climate links and anthropogenic factors. *Science* 285(5433):1505.
- Harvell, C. D., and coauthors. 2002. Climate warming and disease risks for terrestrial and marine biota. *Science* 296(5576):2158-2162.
- Harvell, D., and coauthors. 2007. Coral Disease, Environmental Drivers, and the Balance between Coral and Microbial Associates. *Oceanography* 20(1):172-195.
- Hemond, E. M., and S. V. Vollmer. 2010. Genetic diversity and connectivity in the threatened staghorn coral (*Acropora cervicornis*) in Florida. *PLoS ONE* 5(1):e8652.
- Hernández-Delgado, E. A., and coauthors. 2012. Long-Term Impacts of Non-Sustainable Tourism and Urban Development in Small Tropical Islands Coastal Habitats in a Changing Climate: Lessons Learned from Puerto Rico. M. Kasimoglu, editor. *Visions for Global Tourism Industry - Creating and Sustaining Competitive Strategies*.
- Hernandez-Delgado, E. A., and coauthors. 2011. Sediment stress, water turbidity, and sewage impacts on threatened elkhorn coral (*Acropora palmata*) stands at Vega Baja, Puerto Rico. Pages 83-92 in *63rd Gulf and Caribbean Fisheries Institute. Proceedings of the 63rd Gulf and Caribbean Fisheries Institute, San Juan, Puerto Rico*.

- Hernández-Delgado, E. A., B. Sandoz, M. Bonkosky, J. Norat-Ramírez, and H. Mattei. 2008. Impacts of non-point source sewage pollution on Elkhorn coral, *Acropora palmata* (Lamarck), assemblages of the southwestern Puerto Rico shelf. Pages 747-751 in 11th International Coral Reef Symposium, Ft. Lauderdale, Florida.
- Hernández-Pacheco, R., E. A. Hernández-Delgado, and A. M. Sabat. 2011. Demographics of bleaching in a major Caribbean reef-building coral: *Montastraea annularis*. *Ecosphere* 2(1):art 9.
- Hickerson, E. L., G. P. Schmahl, M. Robbart, W. F. Precht, and C. Caldwell. 2008. The state of coral reef ecosystems of the Flower Garden Banks, Stetson Bank, and other banks in the northwestern Gulf of Mexico. Pages 189–217 in J. E. Waddell, and A. M. Clarke, editors. The state of coral reef ecosystems of the United States and Pacific Freely Associated States: 2008. NOAA/National Centers for Coastal Ocean Science, Silver Spring, MD.
- Highsmith, R. C. 1982. Reproduction by fragmentation in corals. *Marine Ecology Progress Series* 7(2):207-226.
- Hodel, E., and B. Vargas-Angel. 2007. Histopathological assessment and comparison of sedimentation and phosphate stress in the Caribbean staghorn coral, *Acropora cervicornis*. *Microscopy and Microanalysis* 13(S02):220-221.
- Hoegh-Guldberg, O. 1995. The mass-bleaching of coral reefs in the Central Pacific in 1994: A follow-up study and establishment of long-term monitoring sites. School of Biological Sciences and Coral Reef Research Institute, University of Sydney, New South Wales, Australia.
- Hoffmeister, J. E. 1925. Some corals from American Samoa and the Fiji Islands, volume 22. Carnegie Institution of Washington.
- Hofmann, G. E., and coauthors. 2011. High-Frequency Dynamics of Ocean pH: A Multi-Ecosystem Comparison. *PLoS ONE* 6(12):e28983.
- Hollarsmith, J. A., S. P. Griffin, and T. D. Moore. 2012. Success of outplanted *Acropora cervicornis* colonies in reef restoration. 12th International Coral Reef Symposium. Proceedings of the 12th International Coral Reef Symposium, Cairns, Australia.
- Hongo, C., and H. Yamano. 2013. Species-Specific Responses of Corals to Bleaching Events on Anthropogenically Turbid Reefs on Okinawa Island, Japan, over a 15-year Period (1995–2009). *PLoS ONE* 8(4):e60952.
- Hubbard, J., and Y. Pocock. 1972. Sediment rejection by recent scleractinian corals: a key to palaeo-environmental reconstruction. *Geologische Rundschau* 61(2):598-626.
- Hueerkamp, C., P. W. Glynn, L. D'Croz, J. L. Mate, and S. B. Colley. 2001. Bleaching and recovery of five eastern Pacific corals in an El Niño-related temperature experiment. *Bulletin of Marine Science* 69(1):215-236.
- Hughes, T., and coauthors. 2011. Shifting base-lines, declining coral cover, and the erosion of reef resilience: comment on Sweatman et al. (2011). *Coral Reefs* 30(3):653-660.
- Hughes, T. P. 1984. Population Dynamics Based on Individual Size Rather than Age: A General Model with a Reef Coral Example. *The American Naturalist* 123(6):778-795.
- Hughes, T. P. 1988. Long-term dynamics of coral populations: contrasting reproductive modes. Pages 721-725 in Proceedings of the 6th International Coral Reef Symposium, Townsville, Australia.
- Hughes, T. P. 1996. Demographic approaches to community dynamics: A coral reef example. *Ecology* 77(7):2256-2260.
- Hughes, T. P., and coauthors. 2003. Climate change, human impacts, and the resilience of coral reefs. *Science* 301(5635):929-33.

- Hughes, T. P., and coauthors. 2012. Assembly rules of reef corals are flexible along a steep climatic gradient. *Current Biology*.
- Hughes, T. P., D. R. Bellwood, C. S. Folke, L. J. McCook, and J. M. Pandolfi. 2007. No-take areas, herbivory and coral reef resilience. *Trends Ecol Evol* 22(1):1-3.
- Hughes, T. P., N. A. Graham, J. B. Jackson, P. J. Mumby, and R. S. Steneck. 2010. Rising to the challenge of sustaining coral reef resilience. *Trends in Ecology & Evolution* 25(11):633-42.
- Hughes, T. P., and J. E. Tanner. 2000. Recruitment failure, life histories, and long-term decline of Caribbean corals. *Ecology* 81(8):2250-2263.
- Hunter, C., and coauthors. 2011. Distribution and abundance of *Montipora dilatata* and introduction of *Tripneustes gratilla* for mitigation of invasive algae (*Kappaphycus* spp.) in Kane'ohe Bay, Oahu, Hawai'i, 2010, NOAA Contract Number: P1133F10SE2105.
- Hunter, I. G., and B. Jones. 1996. Coral associations of the Pleistocene Ironshore Formation, Grand Cayman. *Coral Reefs* 15(4):249-267.
- Huntington, B. E., M. Karnauskas, and D. Lirman. 2011. Corals fail to recover at a Caribbean marine reserve despite ten years of reserve designation. *Coral Reefs* 30(4):1077-1085.
- ICRS. 2012. Consensus Statement on Climate Change and Coral Reefs.
- Idjadi, J. A., and coauthors. 2006. Rapid phase-shift reversal on a Jamaican coral reef. *Coral Reefs* 25(2):209-211.
- Inoue, M., R. Suwa, A. Suzuki, K. Sakai, and H. Kawahata. 2011. Effects of seawater pH on growth and skeletal U/Ca ratios of *Acropora digitifera* coral polyps. *Geophysical Research Letters* 38.
- IPCC. 2007. Climate change 2007: The physical science basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- IPCC. 2013. Climate Change 2013: The Physical Science Basis. Working Group I Contribution to the IPCC 5th Assessment Report.
- IPCC. 2014. Climate Change 2014: Impacts, Adaptation, and Vulnerability. IPCC Working Group II Contribution to AR5.
- Jaap, W. C. 1984. The ecology of south Florida coral reefs: A community profile, FWS/OBS-82/08.
- Jaap, W. C. 2000. Coral reef restoration. *Ecological Engineering* 15(3):345-364.
- Jaap, W. C., W. G. Lyons, P. Dustan, and J. C. Halas. 1989. Stony coral (*Scleractinia* and *Milleporina*) community structure at Bird Key Reef, Ft. Jefferson National Monument, Dry Tortugas, Florida.
- Jackson, J. B. C., K. L. Cramer, M. Donovan, A. Friedlander, and V. Lam. 2012. Tropical Americas Coral Reef Resilience Workshop.
- Jackson, J. B. C., M. K. Donovan, K. L. Cramer, and V. V. Lam. 2014. Status and Trends of Caribbean Coral Reefs: 1970-2012. Global Coral Reef Monitoring Network, IUCN, Gland, Switzerland.
- Johnson, M. E., and coauthors. 2011. Caribbean *Acropora* Restoration Guide: Best Practices for Propagation and Population Enhancement., Arlington, VA.
- Jokiel, P. L., E. Brown, K. Rodgers, and W. Smith. 2007. Reef corals and the coral reefs of south Moloka'i. Pages 43-50 in M. Field, S. Cochran, J. Logan, and C. Storlazzi, editors. The coral reef of south Moloka'i, Hawai'i--portrait of a sediment-threatened fringing reef, volume Scientific Investigations Report 2007-5101. US Geological Survey, Reston, VA.
- Jokiel, P. L., and E. K. Brown. 2004. Global warming, regional trends and inshore environmental conditions influence coral bleaching in Hawai'i. *Global Change Biology* 10(10):1627-1641.

- Jokiel, P. L., E. K. Brown, A. Friedlander, S. K. Rodgers, and W. R. Smith. 2004. Hawai'i coral reef assessment and monitoring program: spatial patterns and temporal dynamics in reef coral communities. *Pacific Science* 58(2):159-174.
- Jokiel, P. L., and W. A. Tyler III. 1992. Distribution of Stony Corals in Johnston Atoll Lagoon. *Proceedings of the Seventh International Coral Reef Symposium* 2:683-692.
- Jones, A., and R. Berkelmans. 2010. Potential costs of acclimatization to a warmer climate: growth of a reef coral with heat tolerant vs. sensitive symbiont types. *PLoS One* 5(5):e10437.
- Jones, R. 2008. CITES, corals and customs: The international trade in wild coral. Pages 351-361 *in* R. J. Leewis, and M. Janse, editors. *Advances in Coral Husbandry in Public Aquariums*. Burgers' Zoo, Arnhem, the Netherlands.
- Jordan-Dahlgren, E., M. A. Maldonado, and R. E. Rodriguez-Martinez. 2005. Diseases and partial mortality in *Montastraea annularis* species complex in reefs with differing environmental conditions (NW Caribbean and Gulf of Mexico). *Dis Aquat Organ* 63(1):3-12.
- Kaczmarek, L. T., M. Draud, and E. H. Williams. 2005. Is there a relationship between proximity to sewage effluent and the prevalence of coral disease. *Caribbean Journal of Science* 41(1):124-137.
- Kahng, S. E., J. M. Copus, and D. Wagner. 2014. Recent advances in the ecology of mesophotic coral ecosystems (MCEs). *Current Opinion in Environmental Sustainability* 7:72-81.
- Kahng, S. E., and coauthors. 2010. Community ecology of mesophotic coral reef ecosystems. *Coral Reefs* 29(2):255-275.
- Kaniewska, P., and coauthors. 2012. Major Cellular and Physiological Impacts of Ocean Acidification on a Reef Building Coral. *PLoS ONE* 7(4):e34659.
- Karnauskas, K. B., and A. Cohen. 2012. Equatorial refuge amid tropical warming. *Nature Clim. Change* 2:5.
- Kayanne, H., S. Harii, Y. Ide, and F. Akimoto. 2002. Recovery of coral populations after the 1998 bleaching on Shiraho Reef, in the southern Ryukyus, NW Pacific. *Marine Ecology Progress Series* 239(2):93-103.
- Kayanne, H., and coauthors. 2012. Low species diversity of hermatypic corals on an isolated reef, Okinotorishima, in the northwestern Pacific. *Galaxea* 14:73-95.
- Keck, J., R. S. Houston, S. Purkis, and B. M. Riegl. 2005. Unexpectedly high cover of *Acropora cervicornis* on offshore reefs in Roatán (Honduras). *Coral Reefs* 24(3):509.
- Keller, B. D., and coauthors. 2008. Marine Protected Areas. Pages 1-31 *in* S. H. Julius, and J. M. West, editors. *Preliminary Review of Adaptation Options for Climate-Sensitive Ecosystems and Resources, Synthesis and Assessment Product 4.4*. U.S. Climate Change Science Program
DRAFT FOR PUBLIC COMMENT—AUGUST 2007.
- Keller, B. D., and coauthors. 2009. Climate change, coral reef ecosystems, and management options for marine protected areas. *Environmental Management* 44(6):1069-1088.
- Kemp, D. W., and coauthors. 2011. Catastrophic mortality on inshore coral reefs of the Florida Keys due to severe low-temperature stress. *Global Change Biology* 17(11):3468-3477.
- Kendall, J., E. N. Powell, S. J. Connor, and T. J. Bright. 1983. The effects of drilling fluids (muds) and turbidity on the growth and metabolic state of the coral *Acropora cervicornis*, with comments on methods of normalization for coral data. *Bulletin of Marine Science* 33(2):336-352.
- Kennedy, E. V., and coauthors. 2013. Avoiding coral reef functional collapse requires local and global action. *Current Biology* 23(10):912-8.

- Kenyon, J., J. Maragos, and S. Cooper. 2010. Characterization of coral communities at Rose Atoll, American Samoa. *Atoll Research Bulletin*.
- Kenyon, J. C., and R. E. Brainard. 2006. Second recorded episode of mass coral bleaching in the Northwestern Hawaiian Islands. *Atoll Research Bulletin* 543:505-523.
- Kiessling, W., and R. C. Baron-Szabo. 2004. Extinction and recovery patterns of scleractinian corals at the Cretaceous-Tertiary boundary. *Palaeogeography, Palaeoclimatology, Palaeoecology* 214:195-223.
- Kiessling, W., C. Simpson, B. Beck, H. Mewisa, and J. M. Pandolfi. 2012. Equatorial decline of reef corals during the last Pleistocene interglacial. *Proceeding of the National Academy of Science* 109(52):21378–21383.
- Kline, D. I., N. M. Kuntz, M. Breitbart, N. Knowlton, and F. Rohwer. 2006. Role of elevated organic carbon levels and microbial activity in coral mortality. *Marine Ecology Progress Series* 314:119-125.
- Kline, D. I., and S. V. Vollmer. 2011. White Band Disease (type I) of Endangered Caribbean Acroporid Corals is Caused by Pathogenic Bacteria. *Scientific Reports* 1:7.
- Knowlton, N. 2001. The future of coral reefs. *Proceedings of the National Academy of Sciences* 98(10):5419-5425.
- Knowlton, N., J. L. Maté, H. M. Guzmán, R. Rowan, and J. Jara. 1997. Direct evidence for reproductive isolation among the three species of the *Montastraea annularis* complex in Central America (Panamá and Honduras). *Marine Biology* 127(4):705-711.
- Knutti, R., and J. Jan Sedláček. 2012. Robustness and uncertainties in the new CMIP5 climate model projections. *Nature Climate Change*.
- Kosaka, Y., and S. P. Xie. 2013. Recent global-warming hiatus tied to equatorial Pacific surface cooling. *Nature* 501(7467):403-7.
- Kramer, P. A. 2003. Synthesis of coral reef health indicators for the western Atlantic: results of the AGRRA program (1997-2000). J. C. Lang, editor. *Status of Coral Reefs in the western Atlantic: Results of initial Surveys, Atlantic and Gulf Rapid Reef Assessment (AGRRA) Program*. *Atoll Research Bulletin*, volume 496.
- Kroecker, K. J., and coauthors. 2013. Impacts of ocean acidification on marine organisms: quantifying sensitivities and interaction with warming. *Global Change Biology* 19(6):1884-1896.
- Kuchler, D. A. 1986. Geomorphological nomenclature: reef cover and zonation on the Great Barrier Reef. *Great Barrier Reef Marine Park Authority*.
- Kuntz, N. M., D. I. Kline, S. A. Sandin, and F. Rohwer. 2005. Pathologies and mortality rates caused by organic carbon and nutrient stressors in three Caribbean coral species. *Marine Ecology Progress Series* 294:173-180.
- LaJeunesse, T. C., and coauthors. 2004a. Closely related *Symbiodinium* spp. differ in relative dominance in coral reef host communities across environmental, latitudinal and biogeographic gradients. *Marine Ecology Progress Series* 284:147-161.
- LaJeunesse, T. C., R. T. Smith, J. Finney, and H. Oxenford. 2009. Outbreak and persistence of opportunistic symbiotic dinoflagellates during the 2005 Caribbean mass coral 'bleaching' event. *Proceedings of the Royal Society B-Biological Sciences* 276(1676):4139-4148.
- LaJeunesse, T. C., and coauthors. 2004b. High diversity and host specificity observed among symbiotic dinoflagellates in reef coral communities from Hawai'i. *Coral Reefs* 23(4):596-603.
- Lamberts, A. E. 1980. Two new species of *Astreopora* (Cnidaria, Anthozoa, Scleractinia) from the mid-Pacific. *Pacific Science* 34(3):261-267.

- Lamberts, A. E. 1982. The reef coral *Astreopora* (Anthozoa, Scleractinia, Astrocoeniidae): a revision of the taxonomy and description of a new species. *Pacific Science* 36(1):83-105.
- Latypov, Y. Y. 2011. Scleractinian Corals and Reefs of Vietnam as a Part of the Pacific Reef Ecosystem. *Open Journal of Marine Science* 01(1):50-68.
- Latypov, Y. Y., and T. N. Dautova. 2005. Species composition of corals in silty shallows of the Bai Thu Long Archipelago (Gulf of Tonkin, South China Sea). *Russian Journal of Marine Biology* 31:41-48.
- Le Quéré, C., and coauthors. 2013. Global carbon budget 2013. *Earth System Science Data Discussions* 6(2):689-760.
- Lenihan, H. S., S. J. Holbrook, R. J. Schmitt, and A. J. Brooks. 2011. Influence of corallivory, competition, and habitat structure on coral community shifts. *Ecology* 92(10):1959-1971.
- Levitán, D. R., N. D. Fogarty, J. Jara, K. E. Lotterhos, and N. Knowlton. 2011. Genetic, spatial, and temporal components of precise spawning synchrony in reef building corals of the *Montastraea annularis* species complex. *Evolution* 65(5):1254-1270.
- Levitán, D. R., and coauthors. 2004. Mechanisms of reproductive isolation among sympatric broadcast-spawning corals of the *Montastraea annularis* species complex. *Evolution* 58(2):308-323.
- Levitus, S., and coauthors. 2012. World ocean heat content and thermocline sea level change (0–2000 m), 1955–2010. *Geophysical Research Letters* 39(10):L10603.
- Lewis, J. B. 1977. Suspension feeding in Atlantic reef corals and the importance of suspended particulate matter as a food source. *Proceedings of the 3rd International Coral Reef Symposium*:405-408.
- Lewis, J. B. 2006. Biology and ecology of the hydrocoral millepora on coral reefs. *Advances in Marine Biology* 50:1-55.
- Lidz, B. H., and D. G. Zawada. 2013. Possible Return of *Acropora cervicornis* at Pulaski Shoal, Dry Tortugas National Park, Florida. *Journal of Coastal Research* 29(2):256-271.
- Lighty, R. G., I. G. Macintyre, and R. Stuckenrath. 1978. Submerged early Holocene barrier reef, southeast Florida shelf. *Nature* 276:59-60.
- Lighty, R. G., I. G. Macintyre, and R. Stuckenrath. 1982. *Acropora palmata* reef framework: A reliable indicator of sea level in the western Atlantic for the past 10,000 years. *Coral Reefs* 1(2):125-130.
- Lirman, D. 2000. Fragmentation in the branching coral *Acropora palmata* (Lamarck): growth, survivorship, and reproduction of colonies and fragments. *Journal of Experimental Marine Biology and Ecology* 251(1):41-57.
- Lirman, D., and coauthors. 2010a. A window to the past: documenting the status of one of the last remaining 'megapopulations' of the threatened staghorn coral *Acropora cervicornis* in the Dominican Republic. *Aquatic Conservation: Marine and Freshwater Ecosystems* 20(7):773-781.
- Lirman, D., and P. Fong. 2007. Is proximity to land-based sources of coral stressors an appropriate measure of risk to coral reefs? An example from the Florida Reef Tract. *Marine Pollution Bulletin* 54(6):779-791.
- Lirman, D., and coauthors. 2011. Severe 2010 Cold-Water Event Caused Unprecedented Mortality to Corals of the Florida Reef Tract and Reversed Previous Survivorship Patterns. *PLoS ONE* 6(8):e23047.
- Lirman, D., and coauthors. 2010b. Propagation of the threatened staghorn coral *Acropora cervicornis*: methods to minimize the impacts of fragment collection and maximize production. *Coral Reefs* 29:729-735.

- Lobel, P. S., and L. L. K. 2008. Aspects of the biology and geomorphology of Johnston and Wake Atolls, Pacific Ocean. Pages 655-689 in B. M. Riegl, and R. E. Dodge, editors. Coral Reefs of the USA, volume 1. Springer.
- Locke, J. M., J. P. Bilewitch, and K. A. Coates. 2013. Scleractinia, Octocorallia and Antipatharia of Bermuda's Reefs and Deep-Water Coral Communities: A Taxonomic Perspective Including New Records. 4:189-200.
- Logan, C. A., J. P. Dunne, C. M. Eakin, and S. D. Donner. 2013. Incorporating adaptive responses into future projections of coral bleaching. *Global Change Biology*.
- Lough, J. M. 2012. Small change, big difference: Sea surface temperature distributions for tropical coral reef ecosystems, 1950-2011. *Journal of Geophysical Research-Oceans* 117.
- Loya, Y. 1976. Effects of water turbidity and sedimentation on the community structure of Puerto Rican corals. *Bulletin of Marine Science* 26(4):450-466.
- Loya, Y., and coauthors. 2001. Coral bleaching: the winners and the losers. *Ecology Letters* 4(2):122-131.
- Luck, D. G., Z. H. Forsman, R. J. Toonen, S. J. Leicht, and S. E. Kahng. 2013. Polyphyly and hidden species among Hawai'i's dominant mesophotic coral genera, *Leptoseris* and *Pavona* (Scleractinia: Agariciidae). *PeerJ* 1:e132.
- Lundgren, I., and Z. Hillis-Starr. 2008. Variation in *Acropora palmata* bleaching across benthic zones at Buck Island Reef National Monument (St. Croix, USVI) during the 2005 thermal stress event. *Bulletin of Marine Science* 83:441-451.
- Lunz, K. S. 2013. Final Report Permit Number: FKNMS-2010-126-A3. Florida Fish and Wildlife Conservation Commission, St. Petersburg, FL.
- Lybolt, M., and coauthors. 2011. Instability in a marginal coral reef: the shift from natural variability to a human-dominated seascape. *Frontiers in Ecology and the Environment* 9(3):154-160.
- Macintyre, I. G., and M. A. Toscano. 2007. The elkhorn coral *Acropora palmata* is coming back to the Belize Barrier Reef. *Coral Reefs* 26(4):757.
- Madin, J. S., T. P. Hughes, and S. R. Connolly. 2012. Calcification, Storm Damage and Population Resilience of Tabular Corals under Climate Change. *PLoS ONE* 7(10).
- Magdaong, E. T., and coauthors. 2013. Long-term change in coral cover and the effectiveness of marine protected areas in the Philippines: a meta-analysis. *Hydrobiologia*.
- Manfrino, C., C. A. Jacoby, E. Camp, and T. K. Frazer. 2013. A Positive Trajectory for Corals at Little Cayman Island. *PLoS ONE* 8(10):e75432.
- Manzello, D. P., R. Berkelmans, and J. C. Hendee. 2007. Coral bleaching indices and thresholds for the Florida reef tract, Bahamas, and St. Croix, US Virgin Islands. *Marine Pollution Bulletin* 54(12):1923-1931.
- Manzello, D. P., I. C. Enochs, N. Melo, D. K. Gledhill, and E. M. Johns. 2012. Ocean Acidification Refugia of the Florida Reef Tract. *PLoS ONE* 7(7).
- Manzello, D. P., and coauthors. 2008. Poorly cemented coral reefs of the eastern tropical Pacific: Possible insights into reef development in a high-CO₂ world. *Proceedings of the National Academy of Sciences* 105(30):10450-10455.
- Mao-Jones, J., K. B. Ritchie, L. E. Jones, and S. P. Ellner. 2010. How microbial community composition regulates coral disease development. *PLoS Biol* 8(3):e1000345.
- Maragos, J. E., and P. L. Jokiel. 1986. Reef corals of Johnston Atoll: one of the world's most isolated reefs. *Coral Reefs* 4(3):141-150.
- Marimuthu, N., J. Jerald Wilson, N. V. Vinithkumar, and R. Kirubakaran. 2012. Coral reef recovery status in south Andaman Islands after the bleaching event 2010. *Journal of Ocean University of China* 12(1):91-96.

- Marshall, P., and H. Schuttenberg. 2006. A reef manager's guide to bleaching, Townsville, Australia.
- Marti-Puig, P., and coauthors. 2013. Extreme phenotypic polymorphism in the coral genus *Pocillopora*; micro-morphology corresponds to mitochondrial groups, while colony morphology does not. *Bulletin of Marine Science* 90(1):1-21.
- Martínez, K., and J. G. Rodríguez Quintal. 2012. Caracterización de las colonias de *Acropora palmata* (Scleractinia: Acroporidae) en Cayo Sombrero, Parque Nacional Morrocoy, Venezuela. *Bol. Inst. Oceanogr. Venezuela* 51(1):67-74.
- Marubini, F., C. Ferrier-Pages, and J. P. Cuif. 2003. Suppression of skeletal growth in scleractinian corals by decreasing ambient carbonate-ion concentration: a cross-family comparison. *Proceedings of the Royal Society of London. Series B: Biological Sciences* 270(1511):179-184.
- Maxwell, W. G. H. 1968. *Atlas of the Great Barrier Reef*. Elsevier, New York.
- Mayfield, A. B., T. Y. Fan, and C. S. Chen. 2013. Physiological acclimation to elevated temperature in a reef-building coral from an upwelling environment. *Coral Reefs* 32(4):909-921.
- Maynard, J. A., K. R. N. Anthony, P. A. Marshall, and I. Masiri. 2008. Major bleaching events can lead to increased thermal tolerance in corals. *Marine Biology* 155(2):173-182.
- Mayor, P. A., C. S. Rogers, and Z. M. Hillis-Starr. 2006. Distribution and abundance of elkhorn coral, *Acropora palmata*, and prevalence of white-band disease at Buck Island Reef National Monument, St. Croix, US Virgin Islands. *Coral Reefs* 25(2):239-242.
- McClanahan, T. R. 2004. The relationship between bleaching and mortality of common corals. *Marine Biology* 144(6):1239-1245.
- McClanahan, T. R., and coauthors. 2007a. Western Indian Ocean coral communities: bleaching responses and susceptibility to extinction. *Marine Ecology Progress Series* 337:1-13.
- McClanahan, T. R., M. Ateweberhan, C. A. Muhando, J. Maina, and M. S. Mohammed. 2007b. Effects of Climate and Seawater Temperature Variation on Coral Bleaching and Mortality. *Ecological Monographs* 77(4):503-525.
- McClanahan, T. R., A. H. Baird, P. A. Marshall, and M. A. Toscano. 2004. Comparing bleaching and mortality responses of hard corals between southern Kenya and the Great Barrier Reef, Australia. *Marine Pollution Bulletin* 48:327-335.
- McClanahan, T. R., J. Maina, R. Moothien-Pillay, and A. C. Baker. 2005a. Effects of geography, taxa, water flow, and temperature variation on coral bleaching intensity in Mauritius. *Marine Ecology Progress Series* 298:131-142.
- McClanahan, T. R., J. Maina, C. J. Starger, P. Herron-Perez, and E. Dusek. 2005b. Detriments to post-bleaching recovery of corals. *Coral Reefs* 24(2):230-246.
- McClanahan, T. R., J. M. Maina, and N. A. Muthiga. 2011. Associations between climate stress and coral reef diversity in the western Indian Ocean. *Global Change Biology* 17(6):2023-2032.
- McClanahan, T. R., and N. A. Muthiga. 1998. An ecological shift in a remote coral atoll of Belize over 25 years. *Environmental Conservation* 25(2):122-130.
- McClanahan, T. R., N. A. Muthiga, and S. Mangi. 2001. Coral and algal changes after the 1998 coral bleaching: interaction with reef management and herbivores on Kenyan reefs. *Coral Reefs* 19(4):380-391.
- McField, M. D. 1999. Coral response during and after mass bleaching in Belize. *Bulletin of Marine Science* 64(1):155-172.
- McNeil, B. I., R. J. Matear, and D. J. Barnes. 2004. Coral reef calcification and climate change: The effect of ocean warming. *Geophysical Research Letters* 31(22).

- Medina-Rosas, P., A. M. Szmant, and R. F. Whitehead. 2013. CO₂ enrichment and reduced seawater pH had no effect on the embryonic development of *Acropora palmata* (Anthozoa, Scleractinia). *Invertebrate Reproduction & Development* 57(2):132-141.
- Mège, P., N. V. Schizas, J. Garcia Reyes, and T. Hrbek. 2014. Genetic seascape of the threatened Caribbean elkhorn coral, *Acropora palmata*, on the Puerto Rico Shelf. *Marine Ecology*.
- Mendes, J. M., and J. D. Woodley. 2002. Effect of the 1995-1996 bleaching event on polyp tissue depth, growth, reproduction and skeletal band formation in *Montastraea annularis*. *Marine Ecology Progress Series* 235:93-102.
- Méndez-Lázaro, P., J. Norat-Ramírez, E. A. Hernández-Delgado, L. Cordero-Rivera, and A. Nieves-Santiago. 2012. Técnicas de SIG aplicadas a estudios de zonas costeras y cuencas hidrográficas en la isla de Puerto Rico. *GeoFocus (Artículos)* 12:71-92.
- Meyer, E., G. V. Aglyamova, and M. V. Matz. 2011. Profiling gene expression responses of coral larvae (*Acropora millepora*) to elevated temperature and settlement inducers using a novel RNA-Seq procedure. *Molecular Ecology* 20(17):3599-3616.
- Mezaki, T., T. Hayashi, F. Iwase, S. Nakachi, and Y. Nozawa. 2007. Spawning patterns of high latitude scleractinian corals from 2002 to 2006 at Nishidomari, Otsuki, Kochi, Japan. *Kuroshio Biosphere* 3:33-47.
- Miller, J., and coauthors. 2009. Coral disease following massive bleaching in 2005 causes 60% decline in coral cover on reefs in the US Virgin Islands. *Coral Reefs* 28(4):925-937.
- Miller, M., J. Schwagerl, D. McClellan, M. Vermeij, and D. Williams. 2005. The State of Coral Reef Ecosystems of Navassa Island. Pages 522 pp in J. W. (ed.), editor. *The State of Coral Reef Ecosystems of the United States and Pacific Freely Associated States: 2005*. NOAA Technical Memorandum NOS NCCOS 11. NOAA/NCCOS Center for Coastal Monitoring and Assessment's Biogeography Team, Silver Spring, MD.
- Miller, M. W., I. B. Baums, and D. E. Williams. 2007. Visual discernment of sexual recruits is not feasible for *Acropora palmata*. *Marine Ecology Progress Series* 335:227-231.
- Miller, M. W., G. A. Piniak, and D. E. Williams. 2011a. Coral mass bleaching and reef temperatures at Navassa Island, 2006. *Estuarine Coastal and Shelf Science* 91(1):42-50.
- Miller, S. L., M. Chiappone, and L. M. Rutten. 2011b. Abundance, distribution and condition of *Acropora* corals, other benthic coral reef organisms and marine debris in the upper Florida Keys National Marine Sanctuary - 2011 Quick look report and data summary. University of North Carolina at Wilmington, Key Largo, Florida.
- Miller, S. L., M. Chiappone, L. M. Rutten, and D. W. Swanson. 2008. Population status of *Acropora* corals in the Florida Keys. *Proceedings of the 11th International Coral Reef Symposium*:775-779.
- Miller, S. L., W. F. Precht, L. M. Rutten, and M. Chiappone. 2013. Florida Keys Population Abundance Estimates for Nine Coral Species Proposed for Listing Under the U.S. Endangered Species Act., 1(1), Dania Beach, Florida.
- Mohammed, T., and A. Mohammed. 2005. Some ecological factors affecting coral reef assemblages off Hurgada, Red Sea, Egypt. *Egyptian Journal of Aquatic Research* 31:133-142.
- Morales Tirado, J. A. 2006. Sexual reproduction in the Caribbean coral genus *Mycetophyllia*, in La Parguera, Puerto Rico. University of Puerto Rico, Mayaguez.
- Morton, B., G. Blackmore, and C. T. Kwok. 2002. Corallivory and prey choice by *Drupella rugosa* (Gastropoda: Muricidae) in Hong Kong. *Journal of Molluscan Studies* 68:217-223.
- Mouchka, M. E., I. Hewson, and C. D. Harvell. 2010. Coral-associated bacterial assemblages: current knowledge and the potential for climate-driven impacts. *Integr Comp Biol* 50(4):662-74.

- Muller, E., C. Rogers, and R. van Woesik. 2014. Early signs of recovery of *Acropora palmata* in St. John, US Virgin Islands. *Marine Biology* 161(2):359-365.
- Muller, E. M., C. S. Rogers, A. S. Spitzack, and R. van Woesik. 2008. Bleaching increases likelihood of disease on *Acropora palmata* (Lamarck) in Hawksnest Bay, St. John, US Virgin Islands. *Coral Reefs* 27(1):191-195.
- Muller, E. M., and R. van Woesik. 2012. Caribbean coral diseases: primary transmission or secondary infection? *Global Change Biology* 18(12):3529-3535.
- Mumby, P. J. 2009. Herbivory versus corallivory: are parrotfish good or bad for Caribbean coral reefs? *Coral Reefs* 28(3):683-690.
- Mumby, P. J., and A. R. Harborne. 2010. Marine reserves enhance the recovery of corals on Caribbean reefs. *PLoS ONE* 5(1):e8657.
- Mumby, P. J., and R. S. Steneck. 2011. The resilience of coral reefs and its implications for reef management. Pages 509-519 *in* Z. Dubinsky, and N. Stambler, editors. *Coral Reefs: An Ecosystem in Transition*. Springer.
- Murdoch, T. J. T., and R. B. Aronson. 1999. Scale-dependent spatial variability of coral assemblages along the Florida Reef Tract. *Coral Reefs* 18(4):341-351.
- Muscatine, L., D. Grossman, and J. Doi. 1991. Release of symbiotic algae by tropical sea anemones and corals after cold shock. *Marine Ecology Progress Series* 77(2):233-243.
- Myers, R. L., and L. J. Raymundo. 2009. Coral disease in Micronesian reefs: a link between disease prevalence and host abundance. *Diseases of Aquatic Organisms* 87(1):97.
- Neal, B. P., and coauthors. 2013. When depth is no refuge: cumulative thermal stress increases with depth in Bocas del Toro, Panama. *Coral Reefs*:1-13.
- Neely, K. L., K. S. Lunz, and K. A. Macaulay. 2013. Simultaneous gonochoric spawning of *Dendrogyra cylindrus*. *Coral Reefs* 32(3):813-813.
- Nemeth, R. S., and coauthors. 2008. Characterization of Deep Water Reef Communities within the Marine Conservation District, St. Thomas, US Virgin Islands.
- NMFS. 2012a. Draft Management Report for 82 Candidate Coral Species Petitioned Under the U.S. Endangered Species Act. Assessment of Existing Regulatory Mechanisms, Other Manmade Factors, and Conservation Efforts. U.S. Dept. of Commerce, Honolulu, HI.
- NMFS. 2012b. Final Management Report for 82 Candidate Coral Species Petitioned Under the U.S. Endangered Species Act. Assessment of Existing Regulatory Mechanisms, Other Manmade Factors, and Conservation Efforts. U.S. Dept. of Commerce, Honolulu, HI.
- NMFS. 2012c. Supplemental Information Report for 82 Candidate Coral Species Petitioned Under the U.S. Endangered Species Act. U.S. Dept. of Commerce, Honolulu, HI, and St. Petersburg, FL.
- NMFS. 2014. Memo to file regarding approximation of absolute abundances of Indo-Pacific coral species. P. R. D. Pacific Islands Regional Office, editor.
- NOAA. 2006. PIFSC Cruise report CR-06-008.
- Nugues, M. M. 2002. Impact of a coral disease outbreak on coral communities in St. Lucia: What and how much has been lost? *Marine Ecology Progress Series* 229:61-71.
- Nugues, M. M., and C. M. Roberts. 2003. Partial mortality in massive reef corals as an indicator of sediment stress on coral reefs. *Marine Pollution Bulletin* 46(3):314-323.
- Obura, D. 2005. Resilience and climate change: lessons from coral reefs and bleaching in the Western Indian Ocean. *Estuarine, Coastal and Shelf Science* 63(3):353-372.
- Obura, D. O. 2001. Differential bleaching and mortality of eastern African corals. *Marine Science Development in Tanzania and Eastern Africa*:301-317.

- Ogawa, D., T. Bobeszko, T. Ainsworth, and W. Leggat. 2013a. The combined effects of temperature and CO₂ lead to altered gene expression in *Acropora aspera*. *Coral Reefs* 32(4):895-907.
- Ogawa, D., T. Bobeszko, T. Ainsworth, and W. Leggat. 2013b. The combined effects of temperature and CO₂ lead to altered gene expression in *Acropora aspera*. *Coral Reefs* 32:895-907.
- Ohki, S., and coauthors. 2013. Symbiosis increases coral tolerance to ocean acidification. *Biogeosciences Discussions* 10(4):7013-7030.
- Okazaki, R. R., P. K. Swart, and C. Langdon. 2013. Stress-tolerant corals of Florida Bay are vulnerable to ocean acidification. *Coral Reefs*:1-13.
- Olivotto, I., and coauthors. 2011. Advances in Breeding and Rearing Marine Ornamentals. *Journal of the World Aquaculture Society* 42(2):135-166.
- Ortiz, J. C., M. González-Rivero, and P. J. Mumby. 2013. Can a thermally tolerant symbiont improve the future of Caribbean coral reefs? *Global Change Biology* 19(1):273-281.
- Osborne, K., A. M. Dolman, S. C. Burgess, and K. A. Johns. 2011. Disturbance and the Dynamics of Coral Cover on the Great Barrier Reef (1995–2009). *PLoS ONE* 6(3):e17516.
- Oxenford, H. A., and coauthors. 2008. Quantitative observations of a major coral bleaching event in Barbados, Southeastern Caribbean. *Climatic Change* 87(3-4):435-449.
- Page, C., and B. Willis. 2006. Distribution, host range and large-scale spatial variability in black band disease prevalence on the Great Barrier Reef, Australia. *Diseases of Aquatic Organisms* 69:41–51.
- Page, C. A., and B. L. Willis. 2007. Epidemiology of skeletal eroding band on the Great Barrier Reef and the role of injury in the initiation of this widespread coral disease. *Coral Reefs* 27(2):257-272.
- Palacios, S. L., and R. C. Zimmerman. 2007. Response of eelgrass *Zostera marina* to CO₂ enrichment: possible impacts of climate change and potential for remediation of coastal habitats. *Marine Ecology Progress Series* 344:1-13.
- Palmer, C. V., J. C. Bythell, and B. L. Willis. 2010. Levels of immunity parameters underpin bleaching and disease susceptibility of reef corals. *The FASEB Journal* 24(6):1935-1946.
- Palumbi, S. R., D. J. Barshis, N. Traylor-Knowles, and R. A. Bay. 2014. Mechanisms of Reef Coral Resistance to Future Climate Change. *Science*.
- Pandolfi, J. M., and coauthors. 2003. Global trajectories of the long-term decline of coral reef ecosystems. *Science* 301(5635):955-958.
- Pandolfi, J. M., and A. F. Budd. 2008. Morphology and ecological zonation of Caribbean reef corals: the *Montastraea 'annularis'* species complex. *Marine Ecology Progress Series* 369:89-102.
- Pandolfi, J. M., S. R. Connolly, D. J. Marshall, and A. L. Cohen. 2011. Projecting Coral Reef Futures Under Global Warming and Ocean Acidification. *Science* 333(6041):418-422.
- Pastorok, R. A., and G. R. Bilyard. 1985. Effects of sewage pollution on coral-reef communities. *Marine Ecology Progress Series* 21(1):175-189.
- Patterson, K. L., and coauthors. 2002. The etiology of white pox, a lethal disease of the Caribbean elkhorn coral, *Acropora palmata*. *Proceedings of the National Academy of Sciences* 99(13):8725-8730.
- Penin, L., J. Vidal-Dupiol, and M. Adjeroud. 2013. Response of coral assemblages to thermal stress: are bleaching intensity and spatial patterns consistent between events? *Environmental Monitoring and Assessment* 185(6):5031-5042.
- Perera-Pérez, O., S. P. González-Díaz, S. Álvarez Fernández, and G. González-Sanson. 2012. Estructura poblacional de *Porites astreoides*, *Agaricia agaricites* y *Acropora palmata*

- (Cnidaria: Scleractinia) en crestas arrecifales de la región noroccidental de Cuba. *Rev. Invest. Mar.* 32(1):62-73.
- Perry, C., and P. Larcombe. 2003. Marginal and non-reef-building coral environments. *Coral Reefs* 22(4):427-432.
- Petersen, D., and coauthors. 2008. Noah's Ark for the threatened elkhorn coral *Acropora palmata*. *Coral Reefs* 27(3):715.
- Pinzón, J. H., and coauthors. 2013. Blind to morphology: genetics identifies several widespread ecologically common species and few endemics among Indo-Pacific cauliflower corals (*Pocillopora*, Scleractinia). *Journal of Biogeography* 40(8):1595-1608.
- Polato, N., and coauthors. 2010. Location-specific responses to thermal stress in larvae of the reef-building coral *Montastraea faveolata*. *PLoS ONE* 5:e11221.
- Pomeroy, R. S., J. E. Parks, and C. M. Balboa. 2006. Farming the reef: is aquaculture a solution for reducing fishing pressure on coral reefs? *Marine Policy* 30(2):111-130.
- Porter, J., and coauthors. 2012. Catastrophic Loss of *Acropora palmata* in the Florida Keys: Failure of the 'Sorcerer's Apprentice Effect' to Aid Recovery Following the 2005 Atlantic Hurricane Season. D. Yellowlees, and T. P. Hughes, editors. 12th International Coral Reef Symposium. James Cook University, Cairns, Australia.
- Porter, J. W. 1976. Autotrophy, heterotrophy, and resource partitioning in Caribbean reef-building corals. *The American Naturalist* 110(975):731-742.
- Porter, J. W. 1987. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (south Florida): reef-building corals.
- Porter, J. W., and coauthors. 2001. Patterns of spread of coral disease in the Florida Keys. *Hydrobiologia* 460(1-3):1-24.
- Pratchett, M. S. 2007. Feeding preferences of *Acanthaster planci* (Echinodermata: Asteroidea) under controlled conditions of food availability. *Pacific Science* 61(1):113-120.
- Pratchett, M. S., N. Gust, G. Goby, and S. O. Klanten. 2001. Consumption of coral propagules represents a significant trophic link between corals and reef fish. *Coral Reefs* 20(1):13-17.
- Precht, W. F., and R. B. Aronson. 2004. Climate flickers and range shifts of reef corals. *Frontiers in Ecology and the Environment* 2(6):307-314.
- Precht, W. F., and R. B. Aronson. 2006. Death and resurrection of Caribbean coral reefs: a paleoecological perspective. I. M. Cote, and J. D. Reynolds, editors. *Coral reef conservation*, volume 13. Cambridge University Press.
- Precht, W. F., and coauthors. 2014. Back to the Future: The History of Acroporid Corals at the Flower Garden Banks, Gulf of Mexico, USA. *Marine Geology* 349:152-161.
- Precht, W. F., M. L. Robbart, G. S. Boland, and G. P. Schmahl. 2005. Establishment and initial analysis of deep reef stations (32-40 m) at the East Flower Garden Bank. *Gulf of Mexico Science* 1:124-127.
- Purkis, S. J., D. A. Renegar, and B. M. Riegl. 2011. The most temperature-adapted corals have an Achilles' Heel. *Marine Pollution Bulletin* 62(2):246-250.
- Quinn, N., and B. Kojis. 2008. The recent collapse of a rapid phase-shift reversal on a Jamaican north coast coral reef after the 2005 bleaching event. *Revista de Biología Tropical* 56(Suppl1):149-159.
- Rajasuriya, A. 2002. Status report on the condition of reef habitats in Sri Lanka, 2002. Pages 139-148 in O. Linden, D. Souter, D. Wilhelmsson, and D. Obura, editors. *Coral reef degradation in the Indian Ocean: Status Report 2002*. CORDIO, Department of Biology and Environmental Science, University of Kalmar, Sweden. Online at http://cmsdata.iucn.org/downloads/cordio_status_report_2002.pdf.

- Randall, C. J., and A. M. Szmant. 2009. Elevated temperature affects development, survivorship, and settlement of the elkhorn coral, *Acropora palmata* (Lamarck 1816). *Biological Bulletin* 217:269-282.
- Randall, R. H. 1995. Biogeography of reef-building corals in the Mariana and Palau Islands in relation to back-arc rifting and the formation of the Eastern Philippine Sea. *SEA* 3(6):6.
- Randall, R. H. 2003. An annotated checklist of hydrozoan and scleractinian corals collected from Guam and other Mariana Islands. *Micronesica* 35(36):121-137.
- Randall, R. H., and R. F. Myers. 1983. Guide to the Coastal Resources of Guam. Vol. 2. The Corals. University of Guam, Mangilao, Guam:129.
- Raymundo, L. J., K. B. Rosell, C. T. Reboton, and L. Kaczmarzsky. 2005. Coral diseases on Philippine reefs: genus *Porites* is a dominant host. *Diseases of Aquatic Organisms* 64:181-191.
- Renegar, D. A., and B. M. Riegl. 2005. Effect of nutrient enrichment and elevated CO₂ partial pressure on growth rate of Atlantic scleractinian coral *Acropora cervicornis*. *Marine Ecology Progress Series* 293:69-76.
- Rhyne, A. L., and M. F. Tlusty. 2012. Trends in the marine aquarium trade: the influence of global economics and technology. *Aquaculture, Aquarium, Conservation & Legislation* 5(2):99-102.
- Rhyne, A. L., M. F. Tlusty, and L. Kaufman. 2012. Long-term trends of coral imports into the United States indicate future opportunities for ecosystem and societal benefits. *Conservation Letters* 5(6):478-485.
- Richards, Z. T. 2009. Rarity in the coral genus *Acropora*: implications for biodiversity conservation. James Cook University.
- Richards, Z. T., D. J. Miller, and C. C. Wallace. 2013a. Molecular phylogenetics of geographically restricted *Acropora* species: implications for threatened species conservation. *Mol Phylogenet Evol* 69(3):837-51.
- Richards, Z. T., and coauthors. 2013b. Multiple occupancy-abundance patterns in staghorn coral communities. *Diversity and Distributions* 19(8):884-895.
- Richards, Z. T., M. J. H. van Oppen, C. C. Wallace, B. L. Willis, and D. J. Miller. 2008. Some Rare Indo-Pacific Coral Species Are Probable Hybrids. *PLoS ONE* 3(9):e3240.
- Richardson, L. L. 1998. Coral diseases: what is really known? *Trends in Ecology & Evolution* 13(11):438-443.
- Richardson, L. L., W. M. Goldberg, and K. G. Kuta. 1998. Florida's mystery coral-killer identified. *Nature* 392:557-558.
- Richardson, L. L., and J. D. Voss. 2005. Changes in a coral population on reefs of the northern Florida Keys following a coral disease epizootic. *Marine Ecology Progress Series* 297:147-156.
- Riegl, B. 1999. Corals in a non-reef setting in the southern Arabian Gulf (Dubai, UAE): fauna and community structure in response to recurring mass mortality. *Coral Reefs* 18(1):63-73.
- Riegl, B., and W. E. Piller. 2001. "Cryptic" tissues inside *Acropora* frameworks (Indonesia): a mechanism to enhance tissue survival in hard times while also increasing framework density. *Coral Reefs* 20:67-68.
- Riegl, B., and W. E. Piller. 2003. Possible refugia for reefs in times of environmental stress. *International Journal of Earth Sciences* 92(4):520-531.
- Riegl, B., S. J. Purkis, J. Keck, and G. P. Rowlands. 2009. Monitored and modeled coral population dynamics and the refuge concept. *Marine Pollution Bulletin* 58(1):24-38.
- Riegl, B. M., and S. J. Purkis. 2012. Dynamics of Gulf Coral Communities: Observations and Models from the World's Hottest Coral Sea. Pages 71-93 in B.M. Riegl and S.J. Purkis

- (eds.), editor. Coral Reefs of the Gulf: Adaptation to Climatic Extremes, Coral Reefs of the World 3.
- Riegl, B. M., S. J. Purkis, A. S. Al-Cibahy, M. A. Abdel-Moati, and O. Hoegh-Guldberg. 2011. Present limits to heat-adaptability in corals and population-level responses to climate extremes. *PLoS ONE* 6(9):e24802.
- Ritchie, K. B., and G. W. Smith. 1995. Preferential carbon utilization by surface bacterial communities from water mass, normal, and white-band diseased *Acropora cervicornis*. *Molecular Marine Biology and Biotechnology* 4(4):345-352.
- Ritchie, K. B., and G. W. Smith. 1998. Type II white-band disease. *Revista de Biologia Tropical* 46:199-203.
- Ritson-Williams, R., V. J. Paul, S. N. Arnold, and R. S. Steneck. 2010. Larval settlement preferences and post-settlement survival of the threatened Caribbean corals *Acropora palmata* and *A. cervicornis*. *Coral Reefs* 29(1):71-81.
- Rodriguez-Ramirez, A., and coauthors. 2010. Recent dynamics and condition of coral reefs in the Colombian Caribbean. *Revista de Biologia Tropical* 58:107-131.
- Roff, G., M. H. Ledlie, J. C. Ortiz, and P. J. Mumby. 2011. Spatial Patterns of Parrotfish Corallivory in the Caribbean: The Importance of Coral Taxa, Density and Size. *PLoS ONE* 6(12):e29133.
- Roff, G., and P. J. Mumby. 2012. Global disparity in the resilience of coral reefs. *Trends in Ecology and Evolution* 27(7):404-413.
- Rogers, C., E. Muller, T. Spitzack, B. Devine, and E. Gladfelter. 2006. FINAL REPORT Project Reference Number: FVINP-05-01: A Closer Look at Elkhorn Coral (*Acropora palmata*) on Two Reefs within Virgin Islands National Park: The role of disease, physical breakage, predation, and competition.
- Rogers, C. S. 1979. The effect of shading on coral reef structure and function. *Journal of Experimental Marine Biology and Ecology* 41(3):269-288.
- Rogers, C. S. 1983. Sublethal and lethal effects of sediments applied to common Caribbean reef corals in the field. *Marine Pollution Bulletin* 14(10):378-382.
- Rogers, C. S., H. C. I. Fitz, M. Gilnack, J. Beets, and J. Hardin. 1984. Scleractinian coral recruitment patterns at Salt River submarine canyon, St. Croix, U.S. Virgin Islands. *Coral Reefs* 3:69-76.
- Rogers, C. S., and V. H. Garrison. 2001. Ten years after the crime: lasting effects of damage from a cruise ship anchor on a coral reef in St. John, US Virgin Islands. *Bulletin of Marine Science* 69(2):793-803.
- Rogers, C. S., and E. M. Muller. 2012. Bleaching, disease and recovery in the threatened scleractinian coral *Acropora palmata* in St. John, US Virgin Islands: 2003–2010. *Coral Reefs* 31(3):807-819.
- Rogers, C. S., T. H. Suchanek, and F. A. Pecora. 1982. Effects of Hurricanes David and Frederic (1979) on shallow *Acropora palmata* reef communities: St. Croix, U.S. Virgin Islands. *Bulletin of Marine Science* 32(2):532-548.
- Roik, A., M. Brittsan, and D. Petersen. 2011. Preliminary Report on the *Acropora palmata* Restoration Project 2011. Pages 8 in, Curacao.
- Rooney, J., and coauthors. 2010. Mesophotic coral ecosystems in the Hawaiian Archipelago. *Coral Reefs* 29(2):361-367.
- Rooney, J., S. Lindfield, and V. Blyth-Skyrme. 2012. Mesophotic coral reef ecosystems of the Mariana Archipelago. 12th International Coral Reef Symposium, Cairns, Australia.
- Rotjan, R. 2007. The patterns, causes, and consequences of parrotfish corallivory in Belize. Tufts University.

- Rotjan, R., and S. Lewis. 2006. Parrotfish abundance and selective corallivory on a Belizean coral reef. *Journal of Experimental Marine Biology and Ecology* 335(2):292-301.
- Ruiz-Moreno, D., and coauthors. 2012. Global coral disease prevalence associated with sea temperature anomalies and local factors. *Diseases of Aquatic Organisms* 100(3):249-261.
- Ruppert, J. L. W., M. J. Travers, L. L. Smith, M.-J. Fortin, and M. G. Meekan. 2013. Caught in the Middle: Combined Impacts of Shark Removal and Coral Loss on the Fish Communities of Coral Reefs. *PLoS ONE* 8(9):e74648.
- Ruzicka, R. R., and coauthors. 2013. Temporal changes in benthic assemblages on Florida Keys reefs 11 years after the 1997/1998 El Niño. *Marine Ecology Progress Series* 489:125-141.
- Sale, P. F., and A. M. Szmant. 2012. Reef Reminiscences: Ratcheting back the shifted baselines concerning what reefs used to be, Hamilton, ON, Canada.
- Sanchez, J. A., and V. Pizarro. 2005. Evaluating coral reef benthic communities in remote Caribbean atolls(Quitasueno, Serrana, and Roncador Banks) to recommend Marine-Protected Areas for the seaflower biosphere reserve. *Atoll Research Bulletin* 531:1-65.
- Santer, B. D., and coauthors. 2014. Volcanic contribution to decadal changes in tropospheric temperature. *Nature Geoscience*.
- Schärer, M., and coauthors. 2009. Elkhorn Coral Distribution and Condition throughout the Puerto Rican Archipelago. *Proceedings of the 11th International Coral Reef Symposium*, Ft. Lauderdale, Florida.
- Schelten, C., S. Brown, C. B. Gurbisz, B. Kautz, and J. A. Lentz. 2006. Status of *Acropora palmata* populations off the coast of South Caicos, Turks and Caicos Islands. Pages 665-678 *in* Gulf and Caribbean Fisheries Institute. *Proceedings of the 57th Gulf and Caribbean Fisheries Institute*.
- Schmidt-Roach, S., K. J. Miller, P. Lundgren, and N. Andreakis. 2014. With eyes wide open: a revision of species within and closely related to the *Pocillopora damicornis* species complex (Scleractinia; Pocilloporidae) using morphology and genetics. *Zoological Journal of the Linnean Society* 170(1):1-33.
- Schneider, K., and J. Erez. 2006. The effect of carbonate chemistry on calcification and photosynthesis in the hermatypic coral *Acropora eurystoma*. *Limnology and Oceanography* 51(3):1284-1293.
- Schopmeyer, S. A., and coauthors. 2012. In Situ Coral Nurseries Serve as Genetic Repositories for Coral Reef Restoration after an Extreme Cold-Water Event. *Restoration Ecology* 20(6):696-703.
- Schuhmacher, H., and H. Zibrowius. 1985. What is hermatypic? A redefinition of ecological groups in corals and other organisms. *Coral Reefs* 4(1):1-9.
- Schutte, V. G. W., E. R. Selig, and J. F. Bruno. 2010. Regional spatio-temporal trends in Caribbean coral reef benthic communities. *Marine Ecology Progress Series* 402:115-122.
- Selig, E. R., K. S. Casey, and J. F. Bruno. 2010. New insights into global patterns of ocean temperature anomalies: implications for coral reef health and management. *Global Ecology & Biogeography* 19(3):397-411.
- Shamberger, K. E. F., and coauthors. in press. Diverse Coral Communities in Naturally Acidified Waters of a Western Pacific Reef. *Geophysical Research Letters*.
- Shaw, E. C., B. I. McNeil, and B. Tilbrook. 2012. Impacts of ocean acidification in naturally variable coral reef flat ecosystems. *Journal of Geophysical Research-Oceans* 117.
- Shaw, E. C., B. I. McNeil, B. Tilbrook, R. Matear, and M. L. Bates. 2013. Anthropogenic changes to seawater buffer capacity combined with natural reef metabolism induce extreme future coral reef CO₂ conditions. *Glob Chang Biol* 19(5):1632-41.

- Shearer, T. L., and M. A. Coffroth. 2006. Genetic identification of Caribbean scleractinian coral recruits at the Flower Garden Banks and the Florida Keys. *Marine Ecology Progress Series* 306:133-142.
- Shinn, E. 1963. Spur and groove formation on the Florida Reef Tract. *Journal of Sedimentary Petrology* 33(2):291-303.
- Shinn, E. A., C. D. Reich, T. D. Hickey, and B. H. Lidz. 2003. Staghorn tempestites in the Florida Keys. *Coral Reefs* 22:91-97.
- Silverstein, R. N., A. M. S. Correa, and A. Baker. 2012. Specificity is rarely absolute in coral–algal symbiosis: implications for coral response to climate change. *Proceedings of the Royal Society B Biological Sciences* 279(1738):2609-2618.
- Sinniger, F., M. Morita, and S. Harii. 2013. “Locally extinct” coral species *Seriatopora hystrix* found at upper mesophotic depths in Okinawa. *Coral Reefs* 32(1):153.
- Smith, E. G., C. D’Angelo, A. Salih, and J. Wiedenmann. 2013a. Screening by coral green fluorescent protein (GFP)-like chromoproteins supports a role in photoprotection of zooxanthellae. *Coral Reefs* 32(2):463-474.
- Smith, S. R., and R. B. Aronson. 2006. Population dynamics of *Montastraea* spp. in the Florida Keys' Fully Protected Zones: modeling future trends.
- Smith, T. B. 2013. United States Virgin Island's Response to the Proposed Listing or Change in Status of Seven Caribbean Coral Species Under the U.S. Endangered Species Act University of the Virgin Islands.
- Smith, T. B., and coauthors. 2010. Benthic structure and cryptic mortality in a Caribbean mesophotic coral reef bank system, the Hind Bank Marine Conservation District, US Virgin Islands. *Coral Reefs* 29(2):289-308.
- Smith, T. B., and coauthors. 2013b. Convergent mortality responses of Caribbean coral species to seawater warming. *Ecosphere* 4(7):87.
- Smith, T. B., P. W. Glynn, J. L. Maté, L. T. Toth, and J. Gyorya. in press. A depth refugium from catastrophic coral bleaching prevents regional extinction. *Ecology*.
- Soffer, N., M. E. Brandt, A. M. S. Correa, T. B. Smith, and R. V. Thurber. 2013. Potential role of viruses in white plague coral disease. *Isme Journal*.
- Somerfield, P. J., and coauthors. 2008. Changes in coral reef communities among the Florida Keys, 1996–2003. *Coral Reefs* 27:951-965.
- Sonoda, K., and V. J. Paul. 1993. Effect of stony corals extracts on feeding by *Acanthaster planci*. *Marine Ecology Progress Series* 102(1-2):161-168.
- Soong, K., and J. C. Lang. 1992. Reproductive integration in reef corals. *Biological Bulletin* 183(3):418-431.
- Spalding, M. D., I. Meliane, A. Milam, C. Fitzgerald, and L. Z. Hale. 2013. Protecting marine spaces: Global targets and changing approaches. Pages 213-248 in A. Chircop, S. Coffen-Smout, and M. McConnell, editors. *Ocean Yearbook* 27. Martinus Nijhoff.
- Stafford-Smith, M. G. 1993. Sediment-rejection efficiency of 22 species of Australian scleractinian corals. *Marine Biology* 115(2):229-243.
- Stat, M., and coauthors. 2012. Molecular delineation of species in the coral holobiont. *Adv Mar Biol* 63:1-65.
- Stat, M., X. Pochon, R. O. M. Cowie, and R. D. Gates. 2009. Specificity in communities of Symbiodinium in corals from Johnston Atoll. *Marine Ecology Progress Series* 386:83-96.
- Steiner, S. C. C. 1999. Species presence and distribution of Scleractinia (Cnidaria: Anthozoa) from South Caicos, Turks and Caicos Islands. *Bulletin of Marine Science* 65(3):861-871.
- Steiner, S. C. C. 2003. Stony corals and reefs of Dominica. *Atoll Research Bulletin* 498:1-15.

- Stokes, M. D., J. J. Leichter, and S. J. Genovese. 2010. Long-term declines in coral cover at Bonaire, Netherlands Antilles. *Atoll Research Bulletin* 582:1-22.
- Storlazzi, C. D., M. E. Field, O. M. Cheriton, M. K. Presto, and J. B. Logan. 2013. Rapid fluctuations in flow and water-column properties in Asan Bay, Guam: implications for selective resilience of coral reefs in warming seas. *Coral Reefs* 32(4):949-961.
- Suggett, D. J., and coauthors. 2013. Light availability determines susceptibility of reef building corals to ocean acidification. *Coral Reefs* 32(2):327-337.
- Sutherland, K. P., S. Shaban, J. L. Joyner, J. W. Porter, and E. K. Lipp. 2011. Human pathogen shown to cause disease in the threatened elkhorn coral *Acropora palmata*. *PLoS ONE* 6(8):e23468.
- Sutthacheep, M., and coauthors. 2013. Impacts of the 1998 and 2010 mass coral bleaching events on the western Gulf of Thailand. *Deep Sea Research Part II: Topical Studies in Oceanography*.
- Suwa, R., and coauthors. 2010. Effects of acidified seawater on early life stages of scleractinian corals (Genus *Acropora*). *Fisheries Science* 76(1):93-99.
- Sweatman, H., S. Delean, and C. Syms. 2011. Assessing loss of coral cover on Australia's Great Barrier Reef over two decades, with implications for longer-term trends. *Coral Reefs* 30(2):521-531.
- Sweatman, H., and C. Syms. 2011. Assessing loss of coral cover on the Great Barrier Reef: A response to Hughes et al. (2011). *Coral Reefs* 30(3):661-664.
- Szmant-Froelich, A. 1985. The effect of colony size on the reproductive ability of the Caribbean coral *Montastrea annularis* (Ellis and Solander). Pages 295–300 in C. Gabrie, and B. Salvat, editors. 5th International Coral Reef Symposium, Tahiti.
- Szmant, A. M. 1986. Reproductive ecology of Caribbean reef corals. *Coral Reefs* 5(1):43-53.
- Szmant, A. M., and N. J. Gassman. 1990. The effects of prolonged "bleaching" on the tissue biomass and reproduction of the reef coral *Montastrea annularis*. *Coral Reefs* 8(4):217-224.
- Szmant, A. M., and M. W. Miller. 2005. Settlement preferences and post-settlement mortality of laboratory cultured and settled larvae of the Caribbean hermatypic corals *Montastrea faveolata* and *Acropora palmata* in the Florida Keys, USA. Pages 43-49 in Proc. 10th Int Coral Reef Symposium.
- Szmant, A. M., E. Weil, M. W. Miller, and D. E. Colón. 1997. Hybridization within the species complex of the scleractinian coral *Montastraea annularis*. *Marine Biology* 129(4):561-572.
- Teneva, L., and coauthors. 2012. Predicting coral bleaching hotspots: the role of regional variability in thermal stress and potential adaptation rates. *Coral Reefs* 31(1):1-12.
- The Nature Conservancy. 2010. Quick Look Summary of January 2010 Cold Water Event Impacts on Stony Corals of the Florida Reef Tract.
- The Nature Conservancy. 2012. Stimulating coral restoration.
- Thornhill, D. J. 2012. Ecological Impacts and Practices of the Coral Reef Wildlife Trade. *Defenders of Wildlife*.
- Thornhill, D. J., T. C. LaJeunesse, D. W. Kemp, W. K. Fitt, and G. W. Schmidt. 2006. Multi-year, seasonal genotypic surveys of coral-algal symbioses reveal prevalent stability or post-bleaching reversion. *Marine Biology* 148(4):711-722.
- Tibbits, M. A. 2009. The effects of declining environmental pH on coral microstructure and morphology. University of Iowa.

- Timotius, S., M. Idris, and Syahrir. 2009. A Review on Ornamental Coral Farming Effort in Indonesia. Pages 1-11 *in* International Ocean Science, Technology and Policy Symposium, World Ocean Conference, Manado.
- Tissot, B. N., and coauthors. 2010. How US ocean policy and market power can reform the coral reef wildlife trade. *Marine Policy* 34:1385-1388.
- Tomascik, T. 1990. Growth rates of two morphotypes of *Montastrea annularis* along a eutrophication gradient, Barbados, WI. *Marine Pollution Bulletin* 21(8):376-381.
- Tomascik, T. 1991. Settlement patterns of Caribbean scleractinian corals on artificial substrata along a eutrophication gradient, Barbados, West Indies. *Marine Ecology Progress Series* 77(2):261-269.
- Tomascik, T., and F. Sander. 1985. Effects of eutrophication on reef-building corals. I. Growth rate of the reef-building coral *Montastrea annularis*. *Marine Biology* 87:143-155.
- Tomascik, T., and F. Sander. 1987. Effects of eutrophication on reef-building corals. II. Structure of scleractinian coral communities on fringing reefs, Barbados, West Indies. *Marine Biology* 94(1):53-75.
- Torres, J. L., and J. Morelock. 2002. Effect of terrigenous sediment influx on coral cover and linear extension rates of three Caribbean massive coral species. *Caribbean Journal of Science* 38(3-4):222-229.
- Tribollet, A., G. Aeby, and T. Work. 2011. Survey and determination of coral and coralline algae diseases/lesions in the lagoon of New Caledonia.
- Tunnell, J. W. J. 1988. Regional comparison of southwestern Gulf of Mexico to Caribbean Sea coral reefs. Pages 303-308 *in* Proceedings Of The Sixth International Coral Reef Symposium, Townsville, Australia.
- Tunicliffe, V. 1981. Breakage and propagation of the stony coral *Acropora cervicornis*. *Proceedings of the National Academy of Sciences* 78(4):2427-2431.
- Turak, E., and L. DeVantier. 2003. Reef-building corals of Bunaken National Park, North Sulawesi, Indonesia: Rapid ecological assessment of biodiversity and status.
- UNEP. 2010. Global coral disease database. Online at development.unep-wcmc.org/GIS/Coraldis/?CFID=5355509&CFTOKEN=41011411. Cambridge, UK.
- van Hooidonk, R., and M. Huber. 2012. Effects of modeled tropical sea surface temperature variability on coral reef bleaching predictions. *Coral Reefs* 31(1):121-131.
- van Hooidonk, R., J. A. Maynard, D. Manzello, and S. Planes. 2013a. Opposite latitudinal gradients in projected ocean acidification and bleaching impacts on coral reefs. *Global Change Biology*.
- van Hooidonk, R., J. A. Maynard, D. Manzello, and S. Planes. 2014. Opposite latitudinal gradients in projected ocean acidification and bleaching impacts on coral reefs. *Global Change Biology* 20:103–112.
- van Hooidonk, R., J. A. Maynard, and S. Planes. 2013b. Temporary refugia for coral reefs in a warming world. *Nature Climate Change*.
- van Hooidonk, R. J., and coauthors. 2012. Coral bleaching at Little Cayman, Cayman Islands 2009. *Estuarine, Coastal and Shelf Science* 106:80-84.
- van Oppen, M. J. H., P. Bongaerts, J. N. Underwood, L. M. Peplow, and T. F. Cooper. 2011. The role of deep reefs in shallow reef recovery: an assessment of vertical connectivity in a brooding coral from west and east Australia. *Molecular Ecology* 20(8):1647-1660.
- van Oppen, M. J. H., B. J. McDonald, B. Willis, and D. J. Miller. 2001. The Evolutionary History of the Coral Genus *Acropora* (Scleractinia, Cnidaria) Based on a Mitochondrial and a Nuclear Marker: Reticulation,

- Incomplete Lineage Sorting, or Morphological Convergence? *Molecular Biology and Evolution* 18(7):1315-1329.
- Van Vuuren, D. P., and coauthors. 2011. The representative concentration pathways: an overview. *Climatic Change* 109(1):5-31.
- van Woesik, R., and coauthors. 2012. Hosts of the Plio-Pleistocene past reflect modern-day coral vulnerability. *Proceedings of the Royal Society B: Biological Sciences*.
- van Woesik, R., K. Sakai, A. Ganase, and Y. Loya. 2011. Revisiting the winners and the losers a decade after coral bleaching. *Marine Ecology-Progress Series* 434:67-76.
- Vardi, T. 2011. The threatened Atlantic elkhorn coral, *Acropora palmata*: population dynamics and their policy implications. dissertation. University of California, San Diego.
- Vardi, T., D. E. Williams, and S. A. Sandin. 2012. Population dynamics of threatened elkhorn coral in the northern Florida Keys, USA. *Endangered Species Research* 19:157–169.
- Vargas-Angel, B., S. B. Colley, S. M. Hoke, and J. D. Thomas. 2006. The reproductive seasonality and gametogenic cycle of *Acropora cervicornis* off Broward County, Florida, USA. *Coral Reefs* 25(1):110-122.
- Vargas-Angel, B., E. E. Looney, O. J. Vetter, and E. F. Coccagna. 2011. Severe, widespread El Niño associated coral bleaching in the US Phoenix Islands. *Bulletin of Marine Science* 87(3):623-638.
- Vargas-Angel, B., J. D. Thomas, and S. M. Hoke. 2003. High-latitude *Acropora cervicornis* thickets off Fort Lauderdale, Florida, USA. *Coral Reefs* 22(4):465-473.
- Vecsei, A. 2004. A new estimate of global reefal carbonate production including the fore-reefs. *Global and Planetary Change* 43(1-2):1-18.
- Vega Thurber, R. L., and coauthors. 2013. Chronic nutrient enrichment increases prevalence and severity of coral disease and bleaching. *Global Change Biology*.
- Vega Thurber, R. L., and coauthors. 2014. Chronic nutrient enrichment increases prevalence and severity of coral disease and bleaching. *Global Change Biology* 20(2):544-554.
- Veron, J. 2013. Overview of the taxonomy of zooxanthellate Scleractinia. *Zoological Journal of the Linnean Society* 169(3):485-508.
- Veron, J. E. N. 2000. *Corals of the World*. Australian Institute of Marine Science. Townsville, Australia 3 volumes.
- Veron, J. E. N. 2014. Results of an update of the Corals of the World Information Base for the Listing Determination of 66 Coral Species under the Endangered Species Act. Report to the Western Pacific Regional Fishery Management Council, Honolulu.
- Veron, J. E. N., and C. C. Wallace. 1984. Scleractinia of eastern Australia. Part V., volume Ser. 6.
- Veron, J. E. N., and C. C. Wallace. 1985. Scleractinia of eastern Australia. Part V., volume Ser. 6.
- Villinski, J. T. 2003. Depth-independent reproductive characteristics for the Caribbean reef-building coral *Montastraea faveolata*. *Marine Biology* 142(6):1043-1053.
- Vollmer, S. V., and D. I. Kline. 2008. Natural Disease Resistance in Threatened Staghorn Corals. *PLoS ONE* 3(11):e3718.
- Vollmer, S. V., and S. R. Palumbi. 2007. Restricted gene flow in the Caribbean staghorn coral *Acropora cervicornis*: Implications for the recovery of endangered reefs. *Journal of Heredity* 98(1):40-50.
- Voolstra, C. R., and coauthors. 2009. Effects of temperature on gene expression in embryos of the coral *Montastraea faveolata*. *BMC Genomics* 10(1):627.
- Voolstra, C. R., and coauthors. 2011. Rapid Evolution of Coral Proteins Responsible for Interaction with the Environment. *PLoS ONE* 6(5):e20392.
- Wabnitz, C. 2003. *From ocean to aquarium: The global trade in marine ornamental species*. UNEP/Earthprint, Cambridge, UK.

- Waddell, J. E. 2005. The State of Coral Reef Ecosystems of the United States and Pacific Freely Associated States: 2005., NOAA Technical Memorandum NOS NCCOS 11., Silver Spring, MD.
- Waddell, J. E., and A. M. Clarke, editors. 2008. The state of coral reef ecosystems of the United States and Pacific Freely Associated States: 2008. NOAA/National Centers for Coastal Ocean Science, Silver Spring, MD.
- Wagner, D. E., P. Kramer, and R. van Woessik. 2010. Species composition, habitat, and water quality influence coral bleaching in southern Florida. *Marine Ecology Progress Series* 408:65-78.
- Walker, B. K., E. A. Larson, A. L. Moulding, and D. S. Gilliam. 2012. Small-scale mapping of indeterminate arborescent acroporid coral (*Acropora cervicornis*) patches. *Coral Reefs*.
- Wall, C. B., T. Y. Fan, and P. J. Edmunds. 2013. Ocean acidification has no effect on thermal bleaching in the coral *Seriatopora caliendrum*. *Coral Reefs*:1-12.
- Wallace, C. 1999a. *Staghorn Corals of the World, A key to species of Acropora*. CSIRO Publishing, CD-ROM.
- Wallace, C. C. 1985. Reproduction, recruitment and fragmentation in nine sympatric species of the coral genus *Acropora*. *Marine Biology* 88(3):217-233.
- Wallace, C. C. 1999b. *Staghorn corals of the world: a revision of the coral genus Acropora (Scleractinia; Astrocoeniina; Acroporidae) worldwide, with emphasis on morphology, phylogeny and biogeography*. CSIRO Publishing, Collingwood, Australia.
- Wallace, C. C., C. A. Chen, H. Fukami, and P. R. Muir. 2007. Recognition of separate genera within *Acropora* based on new morphological, reproductive and genetic evidence from *Acropora togianensis*, and elevation of the subgenus *Isopora* Studer, 1878 to genus (Scleractinia: Astrocoeniidae; Acroporidae). *Coral Reefs* 26(2):231-239.
- Wallace, C. C., B. J. Done, and P. R. Muir. 2012. Revision and catalogue of worldwide staghorn corals *Acropora* and *Isopora* (Scleractinia: Acroporidae) in the Museum of Tropical Queensland. *Memoirs of the Queensland Museum - Nature* 57:1-255.
- Wallace, C. C., E. Turak, and L. DeVantier. 2011. Novel characters in a conservative coral genus: three new species of *Astreopora* (Scleractinia: Acroporidae) from West Papua. *Journal of Natural History* 45:1905-1924.
- Wallace, C. C., and J. Wolstenholme. 1998. Revision of the coral genus *Acropora* (Scleractinia : Astrocoeniina : Acroporidae) in Indonesia. *Zoological Journal of the Linnean Society* 123(3):199-384.
- Wang, Z. A., and coauthors. 2013. The marine inorganic carbon system along the Gulf of Mexico and Atlantic coasts of the United States: Insights from a transregional coastal carbon study. *Limnology and Oceanography* 58(1):325-342.
- Ward, J., and coauthors. 2006. Coral diversity and disease in Mexico. *Diseases of Aquatic Organisms* 69(1):23-31.
- Weil, E., A. Croquer, and I. Urreiztieta. 2009. Yellow band disease compromises the reproductive output of the Caribbean reef-building coral *Montastraea faveolata* (Anthozoa, Scleractinia). *Diseases of Aquatic Organisms* 87(1-2):45-55.
- Weil, E., and N. Knowlton. 1994. A multi-character analysis of the Caribbean coral *Montastraea annularis* (Ellis and Solander, 1786) and its two sibling species, *M. faveolata* (Ellis and Solander, 1786) and *M. franksi* (Gregory, 1895). *Bulletin of Marine Science* 55(1):151-175.
- Weil, E., I. Urreiztieta, and J. Garzón-Ferreira. 2002. Geographic variability in the incidence of coral and octocoral diseases in the wider Caribbean. *Proceedings of the 9th International Coral Reef Symposium* 2:1231-1237.

- Wells, J. W. 1951. The coral reefs of Arno atoll, Marshall Islands. Pacific Science Board, National Research Council.
- Wheaton, J. W., and W. C. Jaap. 1988. Corals and other prominent benthic cnidaria of Looe Key National Marine Sanctuary, FL.
- Wiedenmann, J., and coauthors. 2013. Nutrient enrichment can increase the susceptibility of reef corals to bleaching. *Nature Climate Change* 3(2):160-164.
- Wilkes, A. A., and coauthors. 2008. A Comparison of Damselfish Densities on Live Staghorn Coral (*Acropora cervicornis*) and Coral Rubble in Dry Tortugas National Park. *Southeastern Naturalist* 7(3):483-492.
- Wilkinson, C., editor. 2008. Status of coral reefs of the world: 2008. Global Coral Reef Monitoring Network, Reef Rainforest Research Centre, Townsville.
- Wilkinson, C., and D. Souter. 2008. Status of Caribbean coral reefs after bleaching and hurricanes in 2005, Townsville.
- Williams, D. E., and A. J. Bright. 2013. White rings on the threatened coral, *Acropora palmata*, associated with foraging activity of the honeycomb cowfish, *Acanthostracion polygonius* (Ostraciidae). *Coral Reefs* 32(3):651-651.
- Williams, D. E., and M. W. Miller. 2005. Coral disease outbreak: pattern, prevalence and transmission in *Acropora cervicornis*. *Marine Ecology Progress Series* 301:119-128.
- Williams, D. E., and M. W. Miller. 2010. Stabilization of fragments to enhance asexual recruitment in *Acropora palmata*, a threatened Caribbean coral. *Restoration Ecology* 18(S2):446-451.
- Williams, D. E., and M. W. Miller. 2012. Attributing mortality among drivers of population decline in *Acropora palmata* in the Florida Keys (USA). *Coral Reefs* 31(2):369-382.
- Williams, D. E., M. W. Miller, and K. L. Kramer. 2008. Recruitment failure in Florida Keys *Acropora palmata*, a threatened Caribbean coral. *Coral Reefs* 27:697-705.
- Williams, E. H., and L. Bunkley-Williams. 1990. The worldwide coral reef bleaching cycle and related sources of coral mortality. *Atoll Research Bulletin* 335:1-71.
- Willis, B. L., C. A. Page, and E. A. Dinsdale. 2004. Coral disease on the Great Barrier Reef. Pages 69–104 in E. Rosenberg, and Y. Loya, editors. *Coral Health and Disease*. Springer-Verlag, Berlin.
- Wood, E., K. Malsch, and J. Miller. 2012. International trade in hard corals: review of management, sustainability and trends. D. Yellowlees, and T. P. Hughes, editors. 12th International Coral Reef Symposium. James Cook University, Cairns, Australia.
- Woodroffe, C. D., and coauthors. 2010. Response of coral reefs to climate change: Expansion and demise of the southernmost Pacific coral reef. *Geophysical Research Letters* 37(15):L15602.
- Work, T. M. 2013. Diagnostic Case Report. U. S. Geological Survey, Honolulu, Hawaii.
- Work, T. M., G. S. Aeby, and S. L. Coles. 2008. Distribution and morphology of growth anomalies in *Acropora* from the Indo-Pacific. *Diseases of Aquatic Organisms* 78:255-264.
- Yakob, L., and P. J. Mumby. 2011. Climate change induces demographic resistance to disease in novel coral assemblages. *Proceedings of the National Academy of Sciences of the United States of America* 108(5):1967-1969.
- Yamano, H., K. Sugihara, and K. Nomura. 2011. Rapid poleward range expansion of tropical reef corals in response to rising sea surface temperatures. *Geophysical Research Letters* 38.
- Yara, Y., and coauthors. 2011. Projection and uncertainty of the poleward range expansion of coral habitats in response to sea surface temperature warming: A multiple climate model study. *Galaxea, Journal of Coral Reef Studies* 13:11-20.

- Yara, Y., and coauthors. 2012. Ocean acidification limits temperature-induced poleward expansion of coral habitats around Japan. *Biogeosciences* 9(12):4955-4968.
- Yee, S. H., and M. G. Barron. 2010. Predicting coral bleaching in response to environmental stressors using 8 years of global-scale data. *Environmental Monitoring and Assessment* 161(1-4):423-438.
- Young, C. N., S. A. Schopmeyer, and D. Lirman. 2012. A review of reef restoration and coral propagation using the threatened genus *Acropora* in the Caribbean and western Atlantic. *Bulletin of Marine Science* 88(4):1075-1098.
- Zimmer, B., W. Precht, E. Hickerson, and J. Sinclair. 2006. Discovery of *Acropora palmata* at the Flower Garden Banks National Marine Sanctuary, northwestern Gulf of Mexico. *Coral Reefs* 25:192.
- Zlatarski, V. N., and N. M. Estalella. 1982. Les Scléactiniaires de Cuba avec des données sur les organismes associés. Editions de l'Académie Bulgare des Sciences, Sofia.
- Zubillaga, A. L., C. Bastidas, and A. Cróquer. 2005. High densities of the Elkhorn coral *Acropora palmata* in Cayo de Agua, Archipelago Los Roques National Park, Venezuela. *Coral Reefs* 24(1):86.
- Zubillaga, A. L., L. M. Marquez, A. Croquer, and C. Bastidas. 2008. Ecological and genetic data indicate recovery of the endangered coral *Acropora palmata* in Los Roques, Southern Caribbean. *Coral Reefs* 27(1):63-72.