

## Publications

- Kahng SE, Hochberg EJ, Apprill A, Wagner D, Luck DG, Perez D, Bidigare RR (2012) Efficient light harvesting in deep-water zooxanthellate corals. *Mar Ecol Prog Ser* 455:65-77
- Hochberg EJ (2011) Remote sensing of coral reef processes. In: Dubinsky Z, Stambler N (eds) *Coral Reefs: An Ecosystem in Transition*. Springer, The Netherlands, pp25-35
- Conger CL, Fletcher CH, Hochberg EH [sic], Frazer N, Rooney JJB (2009) Remote sensing of sand distribution patterns across an insular shelf: Oahu, Hawaii. *Marine Geology* 267:175-190
- Hogrefe KR, Wright DJ, Hochberg EJ (2008) Derivation and Integration of Shallow-Water Bathymetry: Implications for Coastal Terrain Modeling and Subsequent Analyses. *Marine Geodesy* 31:299-317
- Hochberg EJ, Atkinson MJ (2008) Coral reef benthic productivity based on optical absorbance and light-use efficiency. *Coral Reefs* 27:49-59
- Denevi BW, Lucey PG, Hochberg EJ, Steutel D (2007) Near-infrared optical constants of pyroxene as a function of iron and calcium content. *Journal of Geophysical Research—Planets* 112
- Hochberg EJ, Apprill AM, Atkinson MJ, Bidigare RR (2006) Bio-optical modeling of photosynthetic pigments in corals. *Coral Reefs* 25:99-109
- Conger CL, Hochberg EJ, Fletcher CH, Atkinson MJ (2006) Decorrelating remote sensing color bands from bathymetry in optically shallow waters. *IEEE Trans Geosci Remote Sens* 44:1655-1660
- Andréfouët S, Hochberg EJ, Chevillon C, Muller-Karger FE, Brock JC, Hu C (2005) Multi-scale remote sensing of coral reefs. In: Miller RL, Castillo CED, McKee BA (eds) *Remote Sensing of Coastal Aquatic Environments: Technologies, Techniques and Applications*. Springer, The Netherlands, pp299-317
- Mumby PJ, Skirving W, Strong AE, Hardy JT, LeDrew EF, Hochberg EJ, Stumpf RP, David LT (2004) Remote sensing of coral reefs and their physical environment. *Mar Pollut Bull* 48:219-228
- Hochberg EJ, Atkinson MJ, Apprill A, Andréfouët S (2004) Spectral reflectance of coral. *Coral Reefs* 23:84-95
- Andréfouët S, Payri C, Hochberg EJ, Hu C, Atkinson MJ, Muller-Karger FE (2004) Use of *in situ* and airborne reflectance for scaling-up spectral discrimination of coral reef macroalgae from species to communities. *Mar Ecol Prog Ser* 283:161-177
- Hochberg EJ, Atkinson MJ, Andréfouët S (2003) Spectral reflectance of coral reef bottom-types worldwide and implications for coral reef remote sensing. *Remote Sens Environ* 85:159-173
- Hochberg EJ, Atkinson MJ (2003) Capabilities of remote sensors to classify coral, algae and sand as pure and mixed spectra. *Remote Sens Environ* 85:174-189
- Hochberg EJ, Andréfouët S, Tyler MR (2003) Sea surface correction of high spatial resolution Ikonos images to improve bottom mapping in near-shore environments. *IEEE Trans Geosci Remote Sens* 41:1724-1729
- Andréfouët S, Payri C, Hochberg EJ, Che LM, Atkinson MJ (2003) Airborne hyperspectral detection of microbial mat pigmentation in Rangiroa atoll (French Polynesia). *Limnol Oceanogr* 48:426-430
- Andréfouët S, Kramer P, Torres-Pulliza D, Joyce KE, Hochberg EJ, Garza-Perez R, Mumby PJ, Riegl B, Yamano H, White WH, Zubia M, Brock JC, Phinn SR, Naseer A, Hatcher BG, Muller-Karger FE (2003) Multi-site evaluation of IKONOS data for classification of tropical coral reef environments. *Remote Sens Environ* 88:128-143
- Andréfouët S, Hochberg EJ, Payri C, Atkinson MJ, Muller-Karger FE, Ripley H (2003) Multi-scale remote sensing of microbial mats in an atoll environment. *Int J Remote Sens* 24:2661-2682
- Andréfouët S, Muller-Karger FE, Hochberg EJ, Hu C, Carder KL (2001) Change detection in shallow

coral reef environments using Landsat 7 ETM+ data. *Remote Sens Environ* 79:150-162

Hochberg EJ, Atkinson MJ (2000) Spectral discrimination of coral reef benthic communities. *Coral Reefs* 19:164-171

Atkinson M, Barnett H, Aceves H, Langdon C, Carpenter S, McConnaughey T, Hochberg E [sic], Smith M, Marino B (1999) The Biosphere 2 coral reef biome. *Ecol Eng* 13:147-171