

CURRICULUM VITAE:

ROBERT S. STENECK

Professor
School of Marine Sciences
University of Maine
Darling Marine Center
Walpole, Maine 04573
(207) 563-3146
Steneck@maine.edu

EDUCATION

- Ph.D. 1982 The Johns Hopkins University, Baltimore, Maryland: Earth and Planetary Sciences (Ecology and Evolution)
M.S. 1978 University of Maine, Orono, Maine: Botany and Plant Pathology (Marine Ecology)
B.S. 1973 Baldwin-Wallace College, Berea, Ohio: Biology/Geology (Honors)

PROFESSIONAL POSITIONS

- 1996 - Present, Professor, School of Marine Sciences, University of Maine
1995 - 1996 Professor, Department of Oceanography and Marine Studies, University of Maine
1995 Research Collaborator, National Museum of Natural History, Smithsonian Institution, Washington, D. C.
1993 Adjunct Graduate Faculty, University of South Alabama, Mobile, AL
1992 Adjunct Graduate Faculty, Graduate School of Environmental Studies, Bard College, Annandale, N.Y.
1992 Visiting Professor, Dept. of Zoology, Cape Town University, Cape Town, South Africa.
1991 Visiting Professor, Dept. of Ecology, Catholic University, Santiago, Chile
1990 - 1994 Associate Professor, University of Maine, (Department of Oceanography and Marine Studies)
1989 - 1990 Associate Professor, University of Maine (Botany Department, Marine Studies and Oceanography Program)
1986 - 1989 Assistant Professor, University of Maine (Botany Department, Marine Studies and Oceanography Program)
1985 - 1989 Regional Coordinator for National Oceanic and Atmospheric Administration's National Undersea Research Program in the Gulf of Maine.
1982 - 1985 Research Assistant Professor, University of Maine (Zoology Department, Marine Studies and Oceanography Program)
1984 Visiting Professor, University of Washington, Friday Harbor Laboratory, Friday Harbor, WA. (Marine Ecology)
1981 - 1982 Smithsonian Institution Predoctoral Fellow (Marine Ecology and Evolution)
1977 - 1981 Smithsonian Institution Research Associate (Marine Ecology and Evolution)
1978 - 1981 Research Assistant, Johns Hopkins University (Earth and Planetary Sciences)
1978 Teaching Assistant, Johns Hopkins University (Invertebrate Zoology and Paleontology)
1978, 1982, 1987 Instructor, Discovery Bay Marine Laboratory, Jamaica (Coral Reef Ecology)
1975 - 1977 Research Assistant, University of Maine (Algal Ecology)
1974 - 1976 Teaching Assistant, University of Maine (Biology and Botany)
1973 - 1974 Research Assistant, Smithsonian Institution (Coral Reef Ecology and Geology)

HONORS, GRANTS, AWARDS

- 1972 - 1973 Omicron Delta Kappa Award (Academic Leadership)
- 1979 - 1981 The Johns Hopkins University Graduate Fellowship
- 1980 Sigma Xi Grant in Aid Research
- 1981 E. R. Fenimore Johnson Fund Research Grant
- 1981 Smithsonian Institution Predoctoral Fellowship in Department of Paleobiology
- 1981 International Paper Grant in Aid of Research
- 1982 NOAA- Hydrolab mission (82-6), \$7920.
- 1982 UMO Faculty Research Fund Grant, \$1600.
- 1983 Elected member of Sigma XI
- 1983 NSF Grant (Biological Oceanography), two years, \$151,793.
- 1984 NOAA (National Undersea Research Program [UCAP- R/V Johnson Sea-Link]), \$20,000
- 1984 Sea Grant Lobster ecology, two years, \$25,046.
- 1985 NOAA (National Undersea Research Program [UCAP- R/V Edwin Link Sea-Link]), \$60,000
- 1985 NOAA (National Undersea Research Program (UNC - R/V Seahawk)
- 1986 NSF Grant (Biological Oceanography), two years, \$174,893.
- 1986 NOAA (National Undersea Research Program (UCAP- R/V Seward Johnson Sea-Link), \$52,000, Regional Coordinator for Gulf of Maine Submersible Research
- 1986 Sea Grant Lobster ecology, three years, \$106,401
- 1987 NSF Supplemental Grant (Biological Oceanography) Research Experiences for Undergraduates \$8,000
- 1988 NOAA/NURP/WIL - Saturation diving mission (87-5) \$12,987
- 1988 NOAA (National Undersea Research Program [UCAP- R/V Powell, *Delta*], \$31,000 and (R/V Seward Johnson Sea-Link), \$52,000
- 1989 NOAA (National Undersea Research Program [UCAP- R/V Seaward Explorer], \$11,100 for research \$50,000 for vessel and \$52,000]R/V Seward Johnson *Sea-Link*)
- 1989 NOAA/ Sea Grant \$78,067 Lobster ecology
- 1989 Maine Aquaculture Innovation Center. Lobster Enhancement. \$3000
- 1989 NOAA (National Undersea Research Program [UCAP- R/V Seaward Explorer], \$3,500 for research \$50,000 for vessel
- 1989 University of Maine, Center For Marine Studies. \$20,000 for lobster research using the *R/V Argo Maine*.
- 1990 NOAA/ Sea Grant \$79,990 Lobster ecology
- 1990 Maine Aquaculture Innovation Center. Lobster Enhancement. \$10,000
- 1990 NOAA (National Undersea Research Program [UCAP- R/V Seaward Explorer], \$3,500 for research \$50,000 for vessel
- 1991 NOAA/ Sea Grant \$74,942 Lobster ecology
- 1991 NOAA (National Undersea Research Program [UCAP- R/V Seaward Explorer], \$15,980 for research \$47,980 for vessel/NITROX mixed gas SCUBA
- 1991 Chilean government's Fundacion Andes , three months (\$8700)
- 1991 Maine Aquaculture Innovation Center. Lobster Enhancement. \$5,000
- 1991 NSF \$151,284. Stromatolites as Holocene Reef-builders: Modern version of an ancient role.
- 1992 South African Government: Foundation for Research Development and University of Cape Town. two months. Plant-Herbivore Coexistence: the South African Limpet-Coralline Interaction. R10,468 = \$3,800.
- 1993 NOAA (National Undersea Research Program [UCAP-R/V *Sea diver*, Clelia submersible]), Ecology of Reproductive Phase lobsters \$14,880.
- 1993 Univ. of Maine. Bird and Bird grant for undergraduate instruction. \$2,000.
- 1993 Maine's Lobster Advisory Council. A pilot study to develop pre-recruit census techniques to monitor and forecast lobster stocks. \$13,000.

- 1993 Univ. of Maine Sea Grant Development Grant and the Lobster Institute. Is the availability of critical habitat for lobsters thermally controlled? \$5,000
- 1994 NOAA (National Undersea Research Program [UCAP-R/V *Sea diver*, Clelia submersible]), Ecology of deep water American lobsters: body size distribution, abundance and habitat utilization and processes of settlement and recruitment. \$49,086
- 1994 NOAA (National Undersea Research Program [NR-1] Deep water American lobsters (*Homarus americanus*) of Georges Bank and the continental shelf: patterns of body size, distribution, abundance and habitat utilization. \$22,484.
- 1994 Univ. of Maine. Bird and Bird grant for undergraduate instruction. \$2,000.
- 1994 Univ. of Maine Sea Grant Development Grant and the Lobster Institute. Testing settlement collectors for the American lobster \$5,000
- 1994 Maine's Lobster Advisory Council. A pilot study to develop pre-recruit census techniques to monitor and forecast lobster stocks. \$14,000.
- 1994 Smithsonian Institution Visiting Investigator Award to conduct research on the taxonomy and systematics of Caribbean encrusting coralline algae and examine geological cores taken from a Bahamian stromatolite reef system. \$2000.
- 1994 Lobster Researcher Award. Second International Lobster Congress, Portland, Maine.**
- 1995 NOAA (Sea Grant) Developing indices necessary for predicting commercial catches of the American lobster, *Homarus americanus*. (with Cobb, Fogarty, Howell, Wahle and Watson). \$666,598 (three years).
- 1995 Maine's Lobster Advisory Council. A study to develop pre-recruit census techniques to monitor and forecast lobster stocks. \$17,780
- 1995 Distinguished for contribution to science as a Fellow of the American Association for the Advancement of Science in honor of research: "contributions to the ancient and contemporary processes that influence marine communities".**
- 1996 Maine's Department of Marine Resources. Research necessary to develop a management plan for the green sea urchin, *Strongylocentrotus droebachiensis* in the territorial waters of Maine: Early life history and population survey techniques. \$89,610.
- 1996 Maine's Lobster Advisory Council. A study to develop pre-recruit census techniques to monitor and forecast lobster stocks. \$18,222.
- 1996 Research paper Steneck and Dethier 1994 was highlighted in Science in a special issue on Frontiers in Biology: Ecology.**
- 1996 NOAA (Sea Grant) Marine Advisory Program. (With Wilson & Acheson) Infusing science and information into comanagement: fishing industry - university - management liaisons: Urchin industry \$15,000
- 1996 Kendall Foundation. (With Wilson & Acheson) Infusing science and information into comanagement: fishing industry - university - management liaisons: Lobster Industry \$30,000 (two years)
- 1997 NOAA (National Undersea Research Program). Identifying The effective broodstock for Coastal Populations of the American lobster, (*Homarus americanus*): Patterns of Distribution, Abundance and Body Size in Near-Shore Deep-Water Habitats \$30,600 (1 yr.).
- 1997 Maine's Department of Marine Resources. Research necessary to develop a management plan for the green sea urchin, *Strongylocentrotus droebachiensis* in the territorial waters of Maine: Early life history and population survey techniques. \$65,000
- 1997 Maine's Lobster Advisory Council. Lobstermen and stock assessment: developing an efficient and calibrated voluntary logbook and sea sampling protocol for the State of Maine. \$17,270
- 1997 Island Institute. Lobster resources in Penobscot Bay, ME. Phase I. Quantifying Patterns of distribution, abundance and life-history phases of lobsters relative to the oceanographic and geological characteristics of Penobscot Bay. \$15,000.

- 1998 **Pew Fellowship in Marine Conservation. One of 10 individuals selected from 70 nominees world-wide.** (3 year fellowship for \$150,000)
- 1998 Maine's Lobster Advisory Council. Lobstermen and stock assessment: developing an efficient and calibrated voluntary logbook and sea sampling protocol for the State of Maine. \$19,200
- 1998 Island Institute. Lobster dynamics surrounding Penobscot Bay: Linking lobster nursery grounds with Broodstock Populations. \$40,509.
- 1998 NOAA (Sea Grant) No-harvest Conservation Areas fro Sea Urchins in Maine: Exploring New Tools for Sustaining the Fishery. \$36,349/ yr 3 yrs
- 1998 Kendall Foundation. Infusing science and information into comanagement: fishing industry - university - management liaisons: Lobster Industry \$70,000 (two years)
- 1998 Battelle. Benthic juvenile lobsters in Boston Harbor. \$18,167.
- 1999 Maine Outdoor Heritage Fund. Penobscot Bay Lobster Project \$47,092
- 1999 Sea Urchin Zone Council. Sea Urchin No-fish Conservation Areas in Maine: \$178,418 (two years)
- 1999 NOAA: National Undersea Research Program. Broodstock Lobsters. \$48,923.
- 1999 Atlantic and Gulf Reef Assessment Program. Univ. of Miami. Assessing reefs of Yucatan coast of Mexico. \$2,500
- 2000 Sea Urchin Zone Council. Reseeding the green sea urchin in depleted habitats: \$95,205
- 2000 NOAA (Sea Grant) Development proposal. Pilot study of subsurface lobster larvae, \$5,000
- 2000 Kendall Foundation: Infusing science and information into comanagement: field expenses, \$5,000
- 2000 Maine Science and Technology Fund: Multi-level plankton sampler. \$37,000
- 2000 - **Appointed to an international Scientific Advisory Committee for the National Center for Caribbean Coral Reef Research**
- 2001 Australian Research Council. Biodiversity of coral reefs. (with T. P. Hughes, D. R. Bellwood, S. R. Connolly, A. Baird, C. Chen, R. Karlson, S. Palumbi, and P. Wainright). \$2,100,000 (Australian) over 5 years (2002 - 2006).
- 1999 Atlantic and Gulf Reef Assessment Program. Univ. of Miami. Assessing reefs of Yucatan coast of Mexico. \$2,500
- 2000 Sea Urchin Zone Council. Reseeding the green sea urchin in depleted habitats: \$95,205
- 2000 Kendall Foundation: Infusing science and information into comanagement: field expenses, \$5,000
- 2000 Maine Science and Technology Fund: Multi-level plankton sampler. \$37,000
- 2000 - **Appointed to an international Scientific Advisory Committee for the National Center for Caribbean Coral Reef Research**
- 2001 Australian Research Council. Biodiversity of coral reefs. (with T. P. Hughes, D. R. Bellwood, S. R. Connolly, A. Baird, C. Chen, R. Karlson, S. Palumbi, and P. Wainright). \$2,100,000 (Australian) over 5 years (2002 - 2006).
- 2001 Maine Department of Marine Resources. Juvenile lobster prediction study. \$9,000.
- 2001 Maine Department of Marine Resources. Marine Protected Areas for sea urchins.\$99,146 (two years)
- 2001 NOAA National Undersea Research Program. Determination of Essential Reproductive Habitat for the American Lobster: Connectivity between broodstock and nursery grounds (with L. Incze, C. Wilson, and E. Annis). \$49,772.
- 2002 Pew Fellows Collaborative studies (with T. McClanahan). \$8,000
- 2002 NOAA National Undersea Research Program, Caribbean Marine Research Center. Trophic Cascades and the Role of Coralline Algae in Coral Recruitment. \$70,000 (two years)
- 2002 Maine Department of Marine Resources. Monitoring newly settled lobsters. \$10,000.
- 2002 NOAA Coral Reef Conservation Grant. Coral Recruitment \$43,775

- 2002 **Nominated for the Provasoli Award (Best paper in phycology) for: 2001** Adey, W. H. and **Steneck, R. S.** Thermogeography over time creates biogeographic regions: a temperature/space/time - integrated model and an abundance-weighted test for benthic marine algae. *J. Phycol.* 37: 677 - 698.
- 2002 NOAA Coastal Ocean Program. Lobster connectivity modeling. (L. Incze PI). U. Maine award: \$348,737. (2 mo over two years)
- 2003 Pew Fellows Collaborative studies (with T. McClanahan) to Establish Marine Protected Areas in Bonaire \$10,680/year for three years.
- 2004 Pew Fellows Supplemental \$8,000
- 2004 NOAA National Undersea Research Program, Caribbean Marine Research Center. Trophic Cascades and the Role of Coralline Algae in Coral Recruitment. \$8,000 (two years) plus facilities support CMRC (Lee Stocking Island, Bahamas).
- 2004 Proposal to Maine Technology Institute. A collaborative grant with FMC (Marine Colloids) Corporation to develop a sustainable seaweed harvest. \$25,000
- 2005 Pew Fellows Collaborative studies to establish Marine Protected Areas in Bonaire \$10,000
- 2005-08 World Bank GEF Project to study connectivity of corals in Caribbean Reefs. \$140,000
- 2005 - 08 Wildlife Conservation Society grant to study coral recruitment in Belize \$26,000
- 2005 - 08 Smithsonian Institution grant for Tropical Research to study inducer to coral settlement at Carrie Bow Cay Belize. \$10,000
- 2006 National Fish and Wildlife Foundation Grant "Linking Herbivory to Reef Resilience" \$49,891
- 2008 **Awarded the University of Maine's Geddes W. Simpson Distinguished Lecture**
- 2009 **Steneck et al 2009 "Thinking and managing outside the box: coalescing connectivity networks to rebuild region-wide resilience in coral reef ecosystems. Coral Reefs 28: 367 – 378. Selected by "Faculty of 1000: Biology" as a "Major Advance"**
- 2009 National Science Foundation award "RUI: Changes in Baseline Conditions in Gulf of Maine Coastal Ecosystems Over the Last 4000 Years" . \$980,000 (three years). with B. Johnson, W. Ambrose and B. Bourque.
- 2009 National Science Foundation award: "Fine-scale Dynamics of Human Adaptation in Coupled Natural and Social Systems: An Integrated Computational Approach Applied to Three Fisheries" \$1,021,292 (three years). With J. Wilson, L. Yan, T. Johnson, R. Riolo, B. McCay, Y. Chen, J. Acheson and C. Simon
- 2011 **Steneck, R. S., Hughes, T. P., Adger, N., Arnold, S., S. Boudreau, K. Brown, Berkes, F., Cinner, J., Folke, C., Gunderson, L., Olsson, P., Scheffer, M., Stephenson, E. Walker B., Wilson, J. and Worm, B. Creation of a gilded trap by the high economic value of the Maine lobster fishery. Conservation Biology DOI: 10.1111/j.1523-1739.2011.01717 (Featured in the New York Times; Selected by Faculty of 1000 Biology as among "the top 2% of published articles in biology and medicine").**
- 2012 Selected to be the Invited Scholar to the University of Queensland, Brisbane Australia School of Biological Sciences.
- 2013 – 2014 National Geographic award. "Antillean Archipelago: a laboratory for studying coral reef resilience. \$20,446. (NG9362-13)
- 2013-2017 National Science Foundation award "Ocean Acidification: Century Scale Impacts to Ecosystem Structure and Function of Aleutian Kelp Forests" R. Steneck (Project Director), J. Estes. \$574,617 (three years + 1yr)(PLR-1316141)
- 2014 Waitt Foundation. "A community based approach to develop no-take reserves in Antigua. \$22,000.

- 2014 Featured interview in a published interview in *Current Biology*. 24 (22): R1073-1074.**
- 2015 – 2017 Norsk Institutt for Vannforskning. Norway’s hidden marine biodiversity: The hunt for cryptic species within the coralline algae.. Bekkby, T., Christie, H., Angles d’Auriac, M., Fredriksen, S., Grefsrud, E. S., Husa, V., Steneck, R. Le Gall, L., Pina, V., Hall-Spencer, J. \$2,700,000 (data stored: <https://database.artsdatabanken.no/cms>).
- 2016 Tara Mission Polynesia. Centre National de la Recherche Scientifique. Centre de Recherche Insulaire et Observatoire de l'Environnement (CRIOBE) “Exploring the interaction between corals and crustose coralline algae & Exploring Green biofluorescence on coral reefs, with a focus on marine protists. Hedouin, L., Nugues, M.
- 2016 - 2020 Australian Research Council. DP160103071, Mechanisms of acclimation of coralline algae to high CO₂: insights from ancient taxa and past ocean acidification events. Diaz-Pulido, Hurd and Steneck \$734,871.
- 2016 Reassessing Maine’s kelp forests. Sea Grant development grant.
- 2016 Invited to present a TED-X talk. “Undersea Revolutions” 5/21/16**
- 2016 Bates-Morse Mountain Award for Environmental Lifetime Achievement.**
- 2017 Monitoring Bonaire’s coral reefs. \$20,000 (Bonaire Marine National Park).
- 2017 Monitoring the Dominican Republic’s coral reefs. \$50,000. PropaGas Foundation.
- 2018 Awarded The Dominican Republic Award for Service "for valuable contributions to the national coral reef health monitoring program of the Dominican Republic" World Ocean Day, Santo Domingo, DR.**
- 2018 Featured in book: The Last Lobster Boom or Bust for Maine's Greatest Fishery? Christopher White. St. Martin's Press (MacMillan).**
- 2018-2020 "The distribution, transmissibility, and cause of widespread crustose coralline algae disease in the Caribbean". National Geographic Grant NGS-51352R-18 : \$28,968.
- 2019 - 2021 Maine Sea Grant and Maine's Department of Marine Resources grant. Are lobster landings about to decline in coastal Maine? A proposal to study multiple lines of evidence for long-term demographic trends. \$159,636.

FIELD EXPERIENCE

- 1960 - Present SCUBA Diver, (NAUI, PADI Advanced); NOAA-trained Aquanaut for saturation diving; team leader on NITROX mixed gas diving, logged more than 2000 dives including decompression, mixed gas and saturation diving, maximum depth 220’
- 1971 Wyoming: Historical geology, paleontology, angiosperm taxonomy.
- 1972 St. Croix: Phycology, marine ecology, carbonate geology
- 1973 - 1974 Caribbean (St., Croix, Antigua, Martinique, St. Martin, St. Thomas, St. John, Tortola, St. Eustatius, Guadeloupe): Phycology, marine ecology, carbonate geology, coralline systematics, herbivore studies, 1st mate, 41’ R/V “Corallina”
- 1975 - 1977 Gulf of Maine: Phycology, ecology, environmental impact studies of thermal pollution, quantitative subtidal ecology, multivariate analysis
- 1977 - Present Caribbean (St. Croix, St. Thomas, Tortola, Virgin Gorda): Reef ecology, productivity, herbivory and community structure
- 1978 Australia (Heron Island, One Tree Island, Lizard Island, Palm Isles): Coralline systematics and ecology of the Great Barrier Reef
- 1978, 1982, 1987 Jamaica (Discovery Bay): Plant/herbivore interactions in shallow reef environments

- 1979 - 1989 Maine: Subtidal studies of algal communities, herbivory and lobster ecology. Captain of 35' "R/V Stickney".
- 1980 Bahamas (North Eleuthra): Comparative studies of reef ecology and herbivory
- 1979 - 1986 Washington state: Marine Ecology, Coralline Taxonomy and Systematics, Plant/herbivore interactions, outer coast (Tatoosh Island) and protected coast (San Juan Islands)
- 1982 Newfoundland: Biogeographic comparison of algal and herbivore communities
- 1982 St. Croix: Aquanaut (Principal Investigator and Team Leader) in NOAA Hydrolab. Saturation diving and living underwater for seven days studying herbivory and algal ecology
- 1982 Alaska (Torch Bay): Intertidal studies of coralline systematics, plant/herbivore interactions and patterns of community structure
- 1983 Colorado: Initial survey of late Paleozoic (Pennsylvanian) algal reefs.
- 1984 - 1991 Gulf of Maine: Project Coordinator and Chief Scientist in NOAA's National Undersea Research Program for submarine research. Used the *Johnson Sea-Link* and *Mermaid II* submarines and *Recon IV* (remotely operated vehicle) to the benthic ecology of the Gulf of Maine. To date Chief Scientist for 14 submersible cruises.
- 1985 St. Croix: Aquanaut (Team Leader) in NOAA Hydrolab. Saturation diving and living underwater for seven days studying transport and decomposition of macroalgae
- 1988 St. Croix: Aquanaut (Team Leader and PI) in NOAA/NURP *Aquarius*. Saturation diving and living 60' underwater for 10 days studying algal productivity and herbivory on reefs.
- 1989 - 1991 Gulf of Maine: Project Director and Chief Scientist in NOAA's National Undersea Research Program for mixed gas (NITROX) scuba research cruises. Six NITROX scuba diving research cruises.
- 1989 Gulf of Maine. Chief Scientist on a 10 day cruise in to quantify distribution and abundance of American lobsters using *in situ* techniques.
- 1990, 1994 Georges Bank: Chief Scientist on 5 day cruise in the U.S. Navy's *NR-1* a 141' nuclear research submarine to quantify distribution and abundance of reproductive American lobsters at 200 m depth.
- 1991 Chile: Research at various sites from Coquimbo to Punta Arenas (approximately 2000 miles of coast) on plant herbivore interactions and decapod ecology.
- 1992 South Africa: diving and conducting intertidal research at numerous locations around Cape of Good Hope, Cape Town, to Yzerfontein on west coast, and Tsitsikama on east coast.
- 1992, 1993 Great Exuma, Bahamas: (Chief Scientist and Co-Principal Investigator) in NSF research cruise on *R/V Calanus* to study living intertidal stromatolites.
- 1993 - 1995 Georges Bank. Chief Scientist on 8 and 10 day submersible cruise aboard *R/V Sea Diver* and *R/V Edwin Link* and the submersible *Clelia* to quantify distribution, abundance and habitat utilization of deep water lobsters.
- 1984 - Present: Director of Summer Internship for Marine Ecological Research. At the University of Maine's marine laboratory (Darling Marine Center), Five to 15 undergraduate students each year assist in marine research projects involving SCUBA diving and underwater research techniques.
- 1995 - 1999 Central American reefs: Coral reef rapid assessment. Bahamas, Florida Keys, Honduras, Yucatan Peninsula Mexico, Belize.
- 1997 Brazil: Studies of herbivory, community structure and coralline algae at Abrolhos archipelago and coastal sites south of Rio de Janeiro.
- 1997 Chief Scientist on an 8 day submersible cruise aboard *R/V Edwin Link* and the submersible *Johnson Sea-Link* to quantify distribution, abundance and habitat utilization of deep water reproductive phase lobsters living in coastal zones of Nova Scotia and Maine.

- 1999 Hawaii: Fisheries studies on spiny lobster *Panulirus marginatus* and slipper lobster *Scyllarides squammosus*.
- 1999 Chief Scientist, 7 day lobster research cruise in Penobscot Bay aboard *R/V Argo Maine*.
- 1999 Chief Scientist, 10 day remotely operated vehicle cruise aboard *R/V Connecticut* to identify and locate essential broodstock habitats for the American Lobster.
- 2000 Cozumel Mexico: Confirmed the existence of the western-most algal ridge in the Caribbean
- 2000 - 2001 Lead several research projects on the geology and ecology of coral reefs of the Indo-Pacific (Great Barrier Reef, Papua New Guinea, Indonesia, Guam and Palau).
- 2001 Chief Scientist, 10 day remotely operated vehicle cruise aboard *R/V Connecticut* to identify and locate essential broodstock habitats for the American Lobster.
- 2002 - 2003 Coral recruitment studies in Mexico, Belize, Bahamas, Bonaire, Navassa and the Virgin Islands
- 2003 – 2018 Connectivity and recruitment of reef corals in Belize, Bonaire, Guatemala, Honduras Tahiti and Palau
- 2013-2014 Tested efficacy and impact on reef health of No-take reserves relative to fished controls. Study islands: Anguilla, St. Maarten, Antigua, Barbuda, St. Lucia, St. Vincent, Bequia, Mustique, Canoun, Tobago Cays, Union, Petit St. Vincent, Carriacou and St. Croix.
- 2003 - present: Monitoring coral reef of Bonaire (Dutch Caribbean).
- 2014 - present: Monitoring coral reefs of the Dominican Republic

Graduate Students

<u>Name</u>	<u>UM</u>	<u>Degree</u>	<u>Year</u>	<u>Subsequent degree</u>	<u>Current occupation</u>
Sally Hacker	MS	1990	(PhD. Brown)	Professor Oregon St. Univ.	
Richard Wahle	PhD	1990		Professor, U. Maine	
Kirt Moody	MS	1991	(PhD. VIMS)	Professor South Carolina College	
Paul Bologna	MS	1991	(PhD U. S. Alabama)	Professor Montclair State University	
Wendy Malpass	MS	1992		Scientist, The Nature Conservancy	
Tim Miller	MS	1994		Lab Manager, Darling Marine Center	
Patrick Voorhees	MS	1995		Medical Doctor, Baltimore, MD	
Alvaro Palma	PhD	1998		Professor, Universidad Católica de la Ssma. Concepción	
Carl Wilson	MS	1998		Maine's Dept. of Marine Resources	
Douglas McNaught	PhD	1999		Professor, U. Maine, Machias	
Amanda Leland	MS	2002		Ocean Policy Director, Environmental Defense	
John Vavrinec	PhD	2003		Research Scientist, Normandeau, Seattle Wa	
Shauna Slingsby	MS	2003		(NOAA Coral Reefs), Washington D. C.	
Eric Annis	PhD	2004		Prof. Hood College, Maryland	
Lindsay Harrington	Ph.D	2004	(James Cook Univ. Australia)	Lecturer James Cook University	
Jeanne Brown	MS	2006		Marine Scientist, The Nature Conservancy; St. Croix	
Kristin Wilson	MS	2006	PhD U. Maine		

Curt Brown	MS	2007	Scientist; Gulf of Maine Research Institute
Elizabeth Stephenson	MS	2007	Maine State Planning Office
Susie Arnold	MS	2007	Science Director: Island Institute
Erin Spenser	MS	2009	Maine State Planning Office
Rodolfo Chang	MS	2010	Marine Conservation for Wildlife Conservation Society
Susie Arnold	PhD	2011	Science Director: Island Institute
Felipe Parades	Ph.D	2013	Ministry of the Environment of Chile: Marine Protected Areas
Jennifer McHenry	MS	2014	NOAA Fisheries, Cape May, NJ
Caitlin Cleaver	MS	2013	Science Director Hurricane Island Foundation
Ruleo Camacho	MS	2016	Antiguan government: Department of the Environment
Anama Solofa	MS	2018	

ABSTRACTS AND REPORTS:

- 1977 **Steneck, R. S.** Factors influencing the distribution of crustose coralline algae (Rhodophyta, Corallinaceae) in the Damariscotta River Estuary, Maine. Proc. 16th Northeast Algal Symposium. Woods Hole, Ma.
- 1977 **Steneck, R. S.** Crustose coralline-limpet interaction in the Gulf of Maine. J. Phycol. 13: 65.
- 1977 **Steneck, R. S.**, R. A. Lutz and R. M. Cerrato. Age and morphometric variation in subtidal populations of mussels. Proc. 69th National Shellfish Association Symposium. Baltimore, MD
- 1977 Adey, W. H. and **R. S. Steneck**. An objective approach to benthic phytogeography. J. Phycol. 13: 3 .
- 1978 **Steneck, R. S.** Factors influencing the distribution of crustose coralline algae (Rhodophyta, Corallinaceae) in the Damariscotta River, Maine. Masters Thesis Univ. of Maine.
- 1981 **Steneck, R. S.** and B. Milliken. The branching morphology of crustose corallines as a structural defense against herbivores and a refuge for filamentous algae. Proc. 20th Northeast Algal Symposium, Woods Hole, MA .
- 1981 **Steneck, R. S.** Herbivore mediated competition between crustose corallines in the Gulf of Maine. Proc. 20th Northeast Algal Symposium, Woods Hole, MA .
- 1981 Townsend, R. T., W. A. Adey and **R. S. Steneck**. Non-articulated coralline algae of the Pacific region. Aust. Mar. Sci. Bull. 75.
- 1981 Adey, W.H., C. S. Rogers, **R. S. Steneck**, and N. Salesky. The south St. Croix reef: a study of reef metabolism as related to environmental factors and an assessment of environmental management. Dept. of Conservation and Cultural Affairs. Gov. of the U. S. Virgin Islands. 97 pp.
- 1982 **Steneck, R. S.** Adaptive trends in the ecology and evolution of crustose coralline algae (Rhodophyta, Corallinaceae). Ph. D. Dissertation. Johns Hopkins Univ. 253 pp.
- 1987 **Steneck, R. S.** Reconstructing paleoalgal communities from a modern process-based model. Geol. Soc. Amer. Bull. 19 (2):
- 1987 **Steneck, R. S.** and R. L. Vadas. Macroalgal extinction depths reconsidered: an experimental approach National Undersea Research Program Undersea Science Symposium, Groton Cn. .

- 1987 Vadas, R. L. and **R. S. Steneck**. Zonation of Deep Water Benthic Algae in the Gulf of Maine. National Undersea Research Program Undersea Science Symposium, Groton Cn.
- 1987 **Steneck, R. S.** and R. L. Vadas and S. Fain. Discovery of a new deep water species of kelp in the central Gulf of Maine. National Undersea Research Program Undersea Science Symposium, Groton Cn. .
- 1988 Davison, I. R., J. E. Kuebler, R. L. Vadas and **R. S. Steneck**. Comparative photosynthetic physiology of shallow and deep water populations of *Laminaria* in the Gulf of Maine. NOAA Symp. Series for Undersea Res. 6(1) 1988.
- 1988 **Steneck, R. S.** Interpreting crustose algal epibionts on Paleozoic Fossils. Geol. Soc. Amer. Bull. 20 (2): .
- 1988 Shumway, S. E., D. J. Crisp and **R. S. Steneck**. Specific dynamic action and food preferences in periwinkles. Proc. 23rd meeting of English Mar. Biol. Soc. London. .
- 1988 **Steneck, R. S.** Benthic ecology of hard substrata: session summary. NOAA Symp. Series for Undersea Research 6(1): 3-6.
- 1988 Vadas, R. L. and **R. S. Steneck**. Deep water benthic algal zonation. NOAA Symp. Series for Undersea Research 6(1): 27-44.
- 1988 **Steneck, R. S.** , C. A. Pfister and M. N. Dethier. Clonal Strategies in Algal Crusts: The Secret of Success in Crustose Corallines. American Association for the Advancement of Science, Annual Meeting, Boston Ma.
- 1988 Hacker, S. D. and **R. S. Steneck**. Size scaling and habitat selection for the phytal amphipod, *Gammarellus angulosus*. Benthic Ecology Meetings, Portland Me.
- 1988 Moody, K. E. and **R. S. Steneck**. Mechanisms of predation on *Mytilus edulis* by large decapods. Benthic Ecology Meetings, Portland Me.
- 1988 Wahle, R. A. and **R. S. Steneck**. Recruitment, substratum selection and the impact of predators on early benthic phase American lobsters, *Homarus americanus*. Benthic Ecology Meetings, Portland Me.
- 1989 **Steneck, R. S.** The ecological ontogeny of lobsters: in situ studies with demographic implications. In (Kornfield, I. ed) Proc. Lobster Life History Workshop, Orono, Me. 1:30 - 33.
- 1990 Dethier, M. N. and **R. S. Steneck**. Convergent adaptive patterns among encrusting marine algae: interactions between morphology and the environment. Western Society of Naturalists. Symposium on Marine Herbivory. Monterey Ca.
- 1991 Braga, J. C., D. Bosence, and **R. S. Steneck**. A re-evaluation of the microstructure and affinities of some Cenozoic coralline algal genera. Proc. 5th Intern. Symposium on Fossil Algae. Capri, Spain.
- 1991 **Steneck, R. S.** The demographic consequences of intraspecific competition among lobsters (*Homarus americanus*). The Benthic Ecology Meetings, Williamsburg, Va.
- 1991 Hacker, S. and **R. S. Steneck**. Importance of macroalgae as habitat for small, mobile crustaceans: is this association analogous to terrestrial plant/insect associations? Northeast Algal Symposium, Woods Hole, Ma.
- 1991 **Steneck, R. S.** , R. A. Wahle, L. S. Incze, and D. F. Belknap. Patterns of distribution and abundance of lobsters in the Gulf of Maine: ideas on the carrying capacity of their environment. The National Shellfish Association Meetings, Portland, Me. .
- 1991 **Steneck, R. S.** The demographic consequences of intraspecific competition among lobsters (*Homarus americanus*). The National Shellfish Association Meetings, Portland, Me. .
- 1991 **Steneck, R. S.** Plant-herbivore coevolution: a reappraisal from the marine realm and its fossil record. Archivos de Biología y Medicina experimentales. 24: 96.
- 1991 **Steneck, R. S.** Ontogenetic niche shifts: a marine example using the American lobster, *Homarus americanus*. Proc. IV Congreso Latinoamericano de Ciencias del mar, Coquimbo Chile. 56-57

- 1993 **Steneck, R. S.** and G. M. Branch. Algal-herbivore coexistence in Africa: a mega-limpet and its coralline prey. Northeast Algal Symposium, Woods Hole, Ma.
- 1993 **Steneck, R. S.** , T. E. Miller, R. P. Reid, I. G. Macintyre. Ecological factors controlling the distribution and abundance of intertidal stromatolites, Stocking Island, Bahamas. Geol. Soc. of Amer. 25 (6): 6824 abstr.
- 1993 Reid, R. P., **R. S. Steneck**, I. G. Macintyre, H W. .Paerl, T. E. Miller, K. M. Browne, A. Palma, J. Pickney, B. Bebout, L. Prufert, M. Lutz. Stromatolite distribution and morphology, Exuma Cays, Bahamas. Geol. Soc. of Amer. 25 (6):
1993. Macintyre, I. G. Reid, R. P. **Steneck, R. S.** Holocene growth history of a stromatolite/algal ridge reef complex, Stocking Island, Bahamas. Geol. Soc. of Amer. 25 (6):
- 1994 **Steneck, R. S.** and A. Palma. Design constraints on the ecology and evolution of decapods. Benthic Ecology Meetings. Univ. of Connecticut.
- 1994 Williams, A. B., I. Kornfield, and R. Steneck, NMFS, NMNH, Wash. DC, Dept. Biol. & Darling Marine Ctr., Univ. Maine. Generic reassignment of *Homarus capensis*., Annual Meeting of The Crustacean Society, July 1994, Walpole, Maine
1994. **Steneck, R. S.** Habitat and other limitations to the carrying capacity for lobsters in the Gulf of Maine. American Fisheries Society Annual Meeting, 8/94 Halifax, Canada
- 1994 Macintyre, I. G., R. P. Reid, **R. S. Steneck**. Growth history of a modern algal ridge/stromatolite fringing reef, Stocking Island, Bahamas. Plenary Lecture. Proceedings of International Society for Reef Studies. Symposium: Coral Reefs in the past, present and future. Luxembourg. September 1994.
- 1994 Reid, R. P., I. G. Macintyre and R. Steneck. Stromatolite reefs of the Exuma Island archipelago: Its distribution and geological history. October 1994, Las Vegas, Nevada
- 1994 **Steneck, R. S.** A framework for protecting regionally significant habitats: environmental science considerations. Proceedings National Research Council Symposium: *Improving the Interaction between Environmental Management and Coastal Ocean Sciences*. November 2 -4 1994, Kennebunkport, Me.
- 1994 **Steneck, R. S.** , D. McNaught and S. Zimsen. Spatial and temporal patterns in sea urchin populations, herbivory and algal community structure in the Gulf of Maine. Proceedings for the Sea Urchin Workshop. September 27-28 1994.
- 1995 McNaught, D. **R. S. Steneck**, S. Zimsen. Cascading effects of size-selective predation by urchin harvesters: is it the size or the number that really counts? Abstr. Benthic Ecology Meetings. Rutgers Univ.
1995. Hayden, A. and **Steneck, R. S.** Alteration and destruction of marine ecosystems. in Maine's Environmental Priorities Project. Augusta Maine.
- 1995 **Steneck, R. S.** , I. G. Macintyre and R. P. Reid. A unique algal ridge system, discovered in the Bahamas, is formed by the nongeniculate coralline, *Neogoniolithon strictum*. Proc. 34th Northeast Algal Symposium. Woods Hole, Ma.
- 1995 McNaught, D. C., **R. S. Steneck** and S. R. M. Zimsen. What happens to algal communities when the dominant herbivore is removed? Cascading effects of urchin harvesting. Proc. 34th Northeast Algal Symposium. Woods Hole, Ma.
- 1995 **Steneck, R. S.** Reef degradation is linked to herbivore loss in St. Croix and Jamaica. Proc. European Meeting of the International Society for Reef Studies and the British Ecological Society. Newcastle, England, UK. September 5 - 9 1995.
- 1966 **Steneck, R. S.** Is habitat necessary for sustainability? How can we find out? pages 54-63 in New England Fisheries: planning for the future. New England Aquarium Report 96-2. Boston, MA.
1966. **Steneck, R. S.** Building Consensus For Habitat Protection: Using Science to Improve Habitat Management pages 157-161 in New England Fisheries: planning for the future. New England Aquarium Report 96-2. Boston, MA

- 1997 **Steneck, R. S.** Kelp and urchins: interrelated by ecology and economics. *Island Journal* 14: 59
- 1997 **Steneck, R. S.** Lobsters: they thrive, but why? *Island Journal* 14: 63 - 64.
- 1997 **Steneck, R. S.** Population dynamics of the American lobster in Maine. Final report for 1996 funds to Lobster Advisory Council and Maine's DMR.
- 1997 **Steneck, R. S.** and McNaught. Final report to the Sea Urchin Advisory Council and Maine's DMR.
- 1998 **Steneck, R. S.**, Wilson, C. J. and Palma, A. P. Do reproductive American lobsters segregate from juveniles? A large-scale larval source sink model for the Gulf of Maine. Benthic Ecology Meeting, Melbourne, FL.
- 1998 Palma, A.P. **Steneck, R. S.** Wahle, R. A. Do post-settlement processes obliterate patterns in settlement strength of a local, open population of crabs? Benthic Ecology Meeting, Melbourne, FL.
- 1998 Wilson, C. J., **Steneck, R. S.** Patterns and processes of lobster (*Homarus americanus*) settlement along a depth gradient. Benthic Ecology Meeting, Melbourne, FL.
- 1998 McNaught, D. C., **Steneck, R. S.** Do micropredators regulate benthic invertebrate populations early in life? Indirect effects of algal habitat change on early post-settlement mortality in a sea urchin.
- 1998 Zimsen, S. R. M. and **Steneck, R. S.** Regional-scale oceanographic regulation of kelp productivity in the Gulf of Maine. Northeast Algal Symposium. Plymouth, MA.
- 1998 **Steneck, R. S.** and Wilson, C. J. Why are there so many lobsters in Penobscot Bay?. Pages 68 - 71. in Platt, D. D. (ed.), *Rim of the Gulf: Restoring Estuaries in the Gulf of Maine*. Island Institute. Rockland Maine.
1998. **Steneck, R. S.** and Lang, J. C. Field tests of the Atlantic and Gulf Reefs Assessment protocols in southeastern Mexico, central Bahamas, and the northwestern Gulf of Mexico. Abstract in: Workshop for Atlantic and Gulf Reefs Assessment, June 1 - 5, Miami, FL.
- 1998 Ginsburg, R. N., **Steneck, R. S.**, Lang, J. and Kramer, P. Atlantic-Gulf Reef Assessment, an international collaboration. Proc. European Meeting of the International Society for Reef Studies. September 1998. France.
- 1999 Ginsburg, R., Kramer, P., Lang, J. Sale, P. and **Steneck, R.** Rapid assessment of corals, algae, and fish on reefs of the western Atlantic and Gulf of Mexico (AGRA). International Conference on the Scientific Aspects of Coral Reef Assessment, Monitoring, and Restoration (14-16 April 1999) Fort Lauderdale.
- 1999 **Steneck, R. S.** and Lang, J.C. Application of the Atlantic and Gulf Reef Assessment (AGRA) protocols along Mexico's Caribbean coast 1997 - 1999: pre and post bleaching impacts. International Conference on Scientific Aspects of Coral Reef Assessment, Monitoring, and Restoration. (14-16 April 1999) Fort Lauderdale. .
- 1999 **Steneck, R. S.** Great Expectations: the Promise and Pitfalls of Enhancing Lobster Stocks. Invited Keynote Address to an international lobster management conference in Kirkswall, Scotland
- 2000 Annis, E. and **Steneck, R. S.** A potential binational larval source-sink relationship for the American lobster (*Homarus americanus*) in the Gulf of Maine. Sixth International Conference and Workshop on Lobster Biology and Management. Key West Florida (10 - 15 September 2000).
- 2000 Bannister, C., **Steneck, R.** and Wahle, R. *Homarus americanus* (Milne Edwards) and *Homarus gammarus* (L.): a comparison of their fisheries, ecology and management. Sixth International Conference and Workshop on Lobster Biology and Management. Key West Florida (10 - 15 September 2000).
- 2000 Figueiredo, M. A., and **Steneck, R. S.** Floristic and ecological studies of the crustose coralline algae of Brazil's Abrolhos reefs. 9th International Coral Reef Symposium, Bali, Indonesia.

- 2000 Macintyre, I. G., Glynn, P. W. and **Steneck, R. S.** A classic Caribbean algal ridge, Holandes Cays, Panama: an algal coated storm deposit. 9th International Coral Reef Symposium, Bali, Indonesia.
- 2000 **Steneck, R. S.** and Wilson, C. J. Long-term and large scale spatial and temporal patterns in demography and landings of the American lobster in the Gulf of Maine. Sixth International Conference and Workshop on Lobster Biology and Management. Key West Florida (10 - 15 September 2000).
- 2000 **Steneck, R. S.** Annual report to the National Undersea Research Center, Avery Point, Cn.
- 2000 **Steneck, R. S.** Benthic marine algae for assessing and monitoring coral reefs. International Coral Reef Symposium, (23 - 25 February) Tokyo, Japan
- 2000 **Steneck, R. S.** Ginsburg, R. N., Kramer, P., Lang, J. and Sale, P. Atlantic and Gulf Rapid Reef Assessment (AGRRA): a species and spatially explicit reef assessment protocol. 9th International Coral Reef Symposium, Bali, Indonesia.
- 2000 **Steneck, R. S.** plus 16 other authors (listed alphabetically). American Lobster Stock Assessment Report. Atlantic States Marine Fisheries Commission. 350 pp.
- 2000 **Steneck, R. S.** Task force report to Maine Department of Marine Resources on the efficacy of hatchery reared lobsters (December 1999), Hollowell, ME
- 2000 **Steneck, R. S.** , Wilson, C. J., and Annis, E. Lobster research: a progress report for 1999. Submitted to Maine's Department of Marine Resources.
- 2000 Townsend, R. and **Steneck, R. S.** Study of Northwestern Hawaiian Island Lobster Fishery Discards. Administrative Report AR-SWR-00-01. U. S. Dept of Commerce. NOAA. National Marine Fisheries Service Southwest Region.
- 2001 Vavrinec, J. and **Steneck, R. S.** Sea Urchin no-fish conservation zones in Maine: exploring new tools for sustaining the sea urchin fishery. Annual Report to U. Maine/ U. New Hampshire Sea Grant Program.
- 2001 Leland, A. and **Steneck, R.** Changing interaction strength in overexploited coastal ecosystems: emerging role of crab predation in Maine. Western Society of Naturalists. Ventura, CA Nov. 2001.
- 2001 **Steneck, R. S.** Kelp forest ecosystems: biogeography, serendipity and human interactions. National Center for Ecological Analysis and Synthesis. Santa Barbara, CA. Oct 2001
- 2001 **Steneck, R. S.** The long history of fishing down marine ecosystems. Wildlife Conservation Society meeting. Jacksonville, FL Nov. 2001
- 2001 **Steneck, R. S.** and Auster, P. J. Why can we still fish for American lobsters? NOAA Research. (http://www.oar.noaa.gov/spotlite/spot_lobster.html)
- 2001 Vavrinec, J. and **Steneck, R.** Marine protected areas and alternate stable states: a cautionary tale from the Maine green sea urchin fishery. Western Society of Naturalists. Ventura, CA Nov. 2001.
- 2002 Estes, J. A. and **Steneck, R. S.** Long ago and far away: chain reactions in kelp forests. AAAS annual meeting. Boston, MA. Feb. 2002.
- 2003 Halfar, J., Kronz, A., Steneck., R., Carriquiry, J., Godinez, L., Iglesias, R., Joachimski, M. Field monitoring and geochemical analysis of paleoclimate signals of tropical to cold-temperate coralline red algae American Geophysical Union OCEAN SCIENCE MEETING- January 03, Portland, Oregon
- 2003 **Steneck, R. S.** Review of the current status and future prospects for kelp forests of the world. 5th International Conference on Environmental Future, Zurich Switzerland
- 2003 **Steneck, R. S.** , and Begin, C. Monitoring lobster settlement in Zones A - D. Final Report for 2002 to the Lobster Advisory Council and Maine's Department of Marine Resources. May 2003.
- 2003 **Steneck, R. S.** and McClanahan, T. A report on the status of the coral reefs of Bonaire with advice on the establishment of fish protection areas. To the Bonaire National Marine Park (STINAPA).

- 2004 Annis, ER, LS Incze, **RS Steneck**, N Wolff, CJ Wilson Distribution and abundance of American lobster (*Homarus americanus*) larvae in the northern Gulf of Maine: potential sources and sink Seventh International Conference and Workshop on Lobster Biology and Management. Hobart, Tasmania.
- 2002 Erlandson, J. Graham, M., Estes, J. Corbett, D., **Steneck R.** Coastlines and kelp beds: an ecological context for maritime migrations to the Americas. Geological Society of America Annual Meeting. Seattle, WA.
- 2004 Annis, ER, LS Incze, N Wolff, **RS Steneck** Estimates of *in situ* larval development rates and abundance in the American lobster (*Homarus americanus*) Seventh International Conference and Workshop on Lobster Biology and Management. Hobart, Tasmania.
- 2004 **Steneck Robert S.**, Carl Wilson, Lew Incze, Peter Lawton and Eric Annis Geographic patterns in *Homarus americanus* broodstock for coastal habitats in the Gulf of Maine. Seventh International Conference and Workshop on Lobster Biology and Management. Hobart, Tasmania.
- 2004 Wilson Carl J., **Robert S. Steneck**, Richard A. Wahle. Bathymetric And Spatial Patterns Of Settlement In American Lobster, *Homarus Americanus*, In The Gulf Of Maine: Insights Into Processes Controlling Abundance Seventh International Conference and Workshop on Lobster Biology and Management. Hobart, Tasmania.
- 2004 Incze, L. S., Xue, H., Chen, Y., **Steneck, R.** Wilson, C. Pettigrew, N., Lawton, P. Data assimilation and modeling of source-sink relationships and fishery production of *Homarus americanus* in the Gulf of Maine. Ocean Research Conference. ASLO and TOS. Honolulu Feb. 2004.
- 2004 Begin, C., **Steneck, R.S.** Crustose coralline algae and juvenile scleractinian corals of Navassa Island. Pages 57 – 65. in Miller, M. W. (ed). Status of reef resources of Navassa Island: Cruise report Nov. 2002. NOAA Technical Memorandum NMFS-SEFSC-501, 110 pp.
- 2004 Pandolfi, J. M, Burr, G. S., Tundhope, A. W., Edinger, E. N., **Steneck, R. S.** , Frey, M. A., Jennions, M., Sharma, Charu, Leschinsky, H. Holocene precedents for mass mortality on coral reefs. International Coral Reef Symposium. Okinawa, Japan
- 2004 **Steneck, R. S.** , Harrington, L., Paddock, M. J. and Arnold, S. N. Do trophic cascades facilitate coral settlement on Caribbean reefs? International Coral Reef Symposium. Okinawa, Japan
- 2004 **Steneck, R. S.** and Suskiewitz, T. Monitoring Juvenile and Newly Settled Lobsters Along the Coast of Maine. In Zones A – D. Report to Maine’s Department of Marine Resources
- 2004 **Steneck, R. S.** Trophic cascades and the role of coralline algae in coral recruitment. To: NOAA’s Coral Reef Conservation Program
- 2004 **Steneck, R. S.** & McClanahan, T. Trophic Cascades and the Possible Role of a Cryptic Coralline Alga for the resilience of Caribbean coral reefs. Final Report to Pew Fellows for Marine Conservation
- 2005 Arnold, S., Brown, J. B., **Steneck, R. S.** Trophic cascades and the recruitment of corals on reefs: are damselfish key players? Abstr. Marine Benthic Ecology Meetings. Williamsburg, VA.
- 2005 Brown, J. B., Arnold, S. and **Steneck R. S.** Interactions between very large parrotfish and damselfish: a new “tipping point”? Abstr. Marine Benthic Ecology Meetings. Williamsburg, VA.
- 2005 **Steneck, R. S.** , Estes, J. A., and Halfar, J. Sea otters, trophic cascades and Seward’s Folly: over two centuries of phase-shifts, regime-shifts and The Little Ice Age in the Aleutians witnessed by a coralline alga. Abstr. Marine Benthic Ecology Meetings. Williamsburg, VA.
- 2005 **Steneck, R. S.** and Thew Suskiewicz. Patterns of distribution and abundance of *Chondrus crispus* on the coast of Maine. A final Report to FMC. 1/30/05.

- 2005 **Steneck, R. S.** , and McClanahan, T. A report on the status of the coral reefs of Bonaire in 2005 with advice on a monitoring program.
- 2005 Incze, Lewis S. Xue, Huijie, Greenberg, David, Lawton, Pete, **Steneck, Robert**, Page, Frederick, Wilson, Carl, Losier, Randall, Wolff, Nicholas. Connectivity of lobster populations in the Gulf of Maine (USA and Canada): Retention, dispersion and relative contributions to local and distant recruitment. Ocean Research Conference. Paris. June 2005
- 2006 Halfar, J., **Steneck, R.** and Joachimski, Kronz, A., and Estes, J. An 85 year stable oxygen isotope record derived from a North Pacific coralline red alga. AGU Meeting Proc.
- 2006 **Steneck, R. S.** Lobsters as model organisms for interfacing behavior, ecology, and fisheries: discussion session summary on cooperative research. Journal of Crustacean Biology 26: 663 – 665.
2007. Steneck, R. S., Mumby, P. J., Arnold, S. N.. A report on the status of the coral reefs of Bonaire in 2007 with results from monitoring 2003 – 2007.
- 2008 Hetzinger, S., Halfar, J., Kronz, A. **Steneck, R.**, Adey, W., Lebednik, P. and Schoene, B. High-resolution Mg/Ca ratios in crustose coralline red algae from the subarctic North Pacific – a record of past climate variability. EGU General Assembly, Vienna, April 2008
- 2008 **Steneck, R. S.** Trophic cascades, recruitment bottlenecks and the resilience of marine ecosystems. Resilience 2008, April 2008 Stockholm Sweden
- 2008 **Steneck, R. S.** Considering the Future of our Seas Through the Lens of History. Geddes W. Simpson Distinguished Lecture. Also rebroadcast throughout the state of Maine for Maine Public Broadcasting System's "Speaking In Maine" series.
- 2008 Ginsburg, R. N., Kramer, P. A., Lang, J. C., Marks, K. W., Kramer, P R., **Steneck, R. S.**, AGRRA norms can distinguish chronic from acute impacts to wider Caribbean reef communities and provide baselines to assess future changes. 11th International Coral Reef Symposium, Florida, USA July 2008
- 2008 Arnold, S. N., Steneck, R. S., Mumby, P. J., Paul, V. J., Ritson-Williams, R. Linking herbivory to coral recruitment and local management. 11th International Coral Reef Symposium, Florida, USA July 2008
- 2008 **Steneck, R. S.**, Arnold, S. N., Mumby, P., Paul, V., Ritson-Williams, R. Coral Recruitment in the Garden of Good and Evil: Algae as a Driver of Coral Reef Resilience. 11th International Coral Reef Symposium, Florida, USA July 2008.
- 2008 **Steneck, R. S.** Algae as drivers and indicators of resilience of coral reef . International Union for the Conservation of Nature. Barcelona Spain October 2008
- 2009 Brumbaugh, D. R., Holms, K. E., **Steneck, R. S.**, Arnold, S. N., McCauley, D. J. and Young, H. S. Coral recruitment and other ecological processes contributing to reef resilience on protected, near-pristine reefs. International Marine Conservation Congress. George Mason University May 2009.
- 2008 Steneck, R. S. Keynote Address: Fisheries induced changes to coastal foodwebs in the western North Atlantic Ocean and beyond. International Workshop on Ecological Improvement, Conservation and Evaluation for Coastal Habitats. Shanghai Ocean University October 2008
- 2008 Steneck, R. S., Wilson, J. Fisheries Plays within an Ecosystem Theater: Challenges of Managing Ecological and Social Drivers of Marine Fisheries at Multiple Scales. Mote Symposium: Spatial Aspects of Management. 11/12/08
- 2008 Steneck, R. S., The Gulf of Maine Yesterday, Today and Tomorrow. Presentation to funders workshop 12/11/08
- 2009 Hetzinger, S., Halfar, J. , Zack, T., Simon, K., Kronz, A., Adey, W., Lebednik, P. Steneck R. Schone, B. High-resolution analysis of trace elements in encrusting coralline red algae by laser ablation ICP-MS. AGU.

- 2009 Halfar, J., Hetzinger, S., Kronz, A., Steneck, R. Adey, W., and Lebednik, P. High-Resolution Mg/Ca Record of a Bering Sea coralline red alga shows teleconnections with Atlantic Multidecadadal oscillations. *Geol Soc Am*.
- 2009 Paul, V. P., Ritson-Williams, R., Fogarty, N., Arnold, S., Steneck, R. S. Comparisons of settlement and recruitment among spawning and brooding corals in the Caribbean. Report to Smithsonian Marine Science Network.
- 2009 Ritson-Williams, R., Paul, V. P., Arnold, S., Steneck, R. S. Do coral larvae choose between species of coralline algae? SICB annual meeting.
- 2009 Chan, P., Halfar, J., Hetzinger, S., Steneck, R., Zack, T., Kunz, B., Jacob, D. Coralline Red Algae as Recorders of Past Temperature and Salinity Variability of the Alaska Coastal Current
- 2009 Steneck, R. S., Arnold, S. Status and trends of Bonaire's reefs & need for immediate action.
- 2010 Arnold, S. and R. Steneck. Closing the coral recruitment window. *Benthic Ecology Meetings, Wilmington, NC*.
- 2010 Steneck, R., Arnold, S. and Mumby, P. Cascading processes driving coral recruitment. . *Benthic Ecology Meetings, Wilmington, NC*.
- 2010 Hetzinger, S., Halfar, J., Keenlysid, N., Mecking, J., Kronz, A., Steneck, R., Adey, W., Lebednik, P. A. A link between North Pacific and North Atlantic climate on multidecadal time scales – new insights from coralline algae. 2nd International Sclerochronology July 2010 Mainz, Germany
- 2010 Williams Ritson Raphael , Valerie J. Paul, Suzanne Arnold and Robert Steneck in “Linking Science to Management: for Marine Conservation Towards a Better Understanding of Coral Recruitment Duck Key, Florida October 2010.
- 2010 P.F. Sale, H. Van Lavieren, M.C. Ablan Lagman, J. Atema, M. Butler, C. Fauvelot, J.D. Hogan, G.P. Jones, K.C. Lindeman, C.B. Paris, R. Steneck and H.L. Stewart. 2010. Preserving Reef Connectivity: A Handbook for Marine Protected Area Managers. Connectivity Working Group, Coral Reef Targeted Research & Capacity Building for Management Program, UNU-INWEH.
- 2010 Paul, V. J., K. Morrow, C. Ross, S. Arnold, R. Steneck, R. Ritson-Williams. Coral-algal-microbial interactions on reefs of Belize. Pages 20 – 22 in Caribbean Coral Reef Ecosystems Program Annual Report 2010. Smithsonian Marine Station at Fort Pierce. Fort Pierce, FL 34949
- 2011 Grabowski, J. H., Gaudette, J., Sherwood, G., Sherman, Wippelhauser, G., Steneck, R. S., Kelley J. T. Physical-biological coupling in marine fish populations: does essential fish habitat limit cod in the Gulf of Maine? Mote Symposium, Sarasota, FL
- 2011 Ritson-Williams, R., Paul, V. J. Arnold, S. N. Steneck, R. S. Picky coral larvae select specific coralline species. *Benthic Ecology Meetings, Mobile Alabama*
- 2011 J. V. Mecking , S. Hetzinger , J. Halfar , N. S. Keenlyside, A. Kronz, R. S. Steneck, W. H. Adey, P. A. Lebednik Marine proxy evidence linking decadal North Pacific and Atlantic climate. AGU Meeting San Francisco, Ca.
- 2012 Arnold, S., N., Ferrari, R., Gonzalez-Rivero, M., Steneck, R. S., Mumby, P. J. Considering herbivory relative to productivity potential as a determinant of algal biomass on coral reefs. Abstr. International Coral Reef Symposium 2012, Cairns, Australia
- 2012 Williams, B., Halfar, J., Delong, K. Hetzinger, S., Steneck R. S., and Jacobs, D. E. Development of subarctic coralline algae as proxy archives: a Mg/Ca replication and calibration study. *American Geophysical Union annual meeting*.
- 2012 Chan, P., Halfar, J., Williams Adey, WH, Lebednik, PA and Steneck RS. Interdecadal variability in coralline algal calcification rates in response to the Pacific Decadal Oscillation. 34th IGC meeting.

- 2012 Grabowski, Jonathan H.; Sherwood, Graham D.; Curt Brown; Steneck, Robert; Richard Wahle; Witman, Jon. A historical and regional perspective of fish predation on lobsters in the Gulf of Maine . The American Lobster in a Changing Ecosystem. A US-Canada Science Symposium, Portland Maine
- 2012 Halfar, J., Chan, P, Adey, W., Hetzinger, S., Williams, B., Steneck, R., Lebednik, P. Century-scale variability of Coralline Algal Calcification Rates in the North Pacific and North Atlantic European Geophysical Union. Vienna.
- 2012 Johnson, B.J., Harris, C. M., Abrose, Jr, W. G., Bourque, B. J., Steneck, R. S., Dostie, P. T. and Lock, W. L. Stable isotopic analyses of archaeological fish bones reveal a significant shift in nearshore ecosystems after European settlement Penobscot Bay, Gulf of Maine. NEERS Annual Meeting.
- 2012 Quéré, G., Steneck, R. S., Nugues, M. M. Abundance and severity of diseases affecting crustose coralline algae in Curaçao. *International Coral Reef Symposium – July 2012 – Cairns, Australia*
- 2012 Ritson-Williams, Paul, V.J. Arnold, S., Ross, C. and Steneck R. S. Positive and Negative Effects of Benthic Algal on Coral Settlement and Survival. ICRS Cairns, Australia
- 2012 Ritson-Williams, R., Paul, V. J., Arnold, S., Ross, C., Steneck, R. Positive and negative effects of benthic algae on coral recruitment. Abstr. International Coral Reef Symposium 2012, Cairns, Australia
- 2012 Steneck R. S., and Wahle, RA. Lobster dynamics in a brave new ocean. Keynote Address to The American Lobster in a Changing Ecosystem. A US-Canada Science Symposium, Portland Maine
- 2012 Wilson, JA., Acheson, J., Chen, Y, Johnson T, Steneck R. Exploring new ways to understand and model the lobster and other fisheries. The American Lobster in a Changing Ecosystem. A US-Canada Science Symposium, Portland Maine
- 2013 Steneck, R. S., Caribbean coral reef health: suggestions for moving forward. Antigua, Environmental Awareness Group monthly meeting.
- 2014 Steneck, R. S. and Mumby, P. J. Coral reefs of the eastern Caribbean. Mustique elementary school. Mustique, St. Vincent and the Grenadines.
- 2014 Ravelo, A. M., Weitzman, B. P., Rasher, D. B., Steneck, R. S. Invertebrate communities associated with crustose coralline algae reef habitat in the western Aleutian Islands. AMSS2015
- 2014 Steneck, R. S. Q & A with Bob Steneck. *Current Biology* 24 (22): R1073 – 1074.
- 2014 Steneck R. S., The Status of Eastern Caribbean Coral Reefs: Insights from an Antillean Odyssey. FAO Symposium Barbados Nov. 2014
- 2015 Steneck, R. S., What can we do to protect, preserve and improve Bonaire’s coral reefs and fish. Invited talk Bonaire Fisheries Managers. Bonaire March 2015.
- 2015 Steneck, R. S. Flips, locks and feedbacks: The lasting effects of fisheries on Maine’s kelp forest ecosystem. 4th Annual Burba Lecture. Northeastern University. Boston. March 2013.
- 2015 Steneck, R. S. The structure and functioning of kelp forests of the western North Atlantic. Invited seminar Rutgers University.
- 2015 Steneck, R. S., The Eastern Caribbean: A laboratory to study the resilience and management of coral reefs. Biannual meeting of Association of Marine Laboratories of the Caribbean. Curacao May 2015
- 2015 Halfar, J. and Steneck, R. et al. Multi-centennial reconstruction of Aleutian climate from coralline algae. AGU meeting. August 2015
- 2015 Steneck, R. S., Parma, A. Ernst, B, Wilson, J. Tale of two lobsters. Mote Symposium. Sarasota. October 11 – 15 2015.
- 2015 Steneck Propagating TURFs into the 21st Century. Introduction to the Mote Symposium Mote Symposium. Sarasota. October 11 – 15 2015.

- 2015 Steneck, Antillean odyssey: studying the resilience in the eastern Caribbean. Pew Fellows Symposium.
- 2015 Steneck, RS and R. Torres. Assessment of the coral reefs of the Dominican Republic. A report to PropaGas Foundation.
- 2016 Hetzinger, S., Halfar, J., Kronz, TA, K. Simon, Adey, WH and Steneck, RS. Reproducibility of *Clathromorphum compactum* coralline algal Mg/Ca ratios and calibration to high-resolution sea surface temperature data. Sclerochronology conference in Portland, Maine.
- 2016 Steneck, R.S., The eastern Caribbean – a laboratory to study the resilience and management of coral reefs. The Benthic Ecology Meeting. March. Portland Maine.
- 2016 Steneck, R. S., and Mumby, P. The eastern Caribbean coral reefs: a replicated study of resilience. The 13th International Coral Reef Symposium, Honolulu, Hawaii June 2016
- 2016 Bejarano, S., Mumby, P., Steneck, R. S. and others. Filtering of coral reef fish herbivory along a gradient of wave exposure. The 13th International Coral Reef Symposium, Honolulu, Hawaii June 2016
- 2016 Steneck, R. S., Keynote address to the Penobscot River Conference, Camden, ME. Navigating the Penobscot River Through Turbulent Times towards an Uncertain Future: a 4000 Year Retrospective
- 2016 Steneck, R. S., Keynote address to the Maine Ocean and Coastal Acidification Symposium. “Ocean Acidification: A global problem, a local problem (the importance of spatial and temporal heterogeneity).
- 2016 Steneck, R. S., Presentation to NOAA/NMFS (Silver Springs Maryland). “Ecosystem-based fishery comanagement in eastern Maine. June 2016
- 2016 Rasher, D.B., Estes, J.A., and Steneck, R.S. (2016). *Climate change intensifies the cascading effects of predator loss in subarctic kelp forests*. Gordon Research Conference: Ocean Global Change Biology. Waterville Valley, NH, USA. Status
- 2016 Ravelo, A.M., Weitzman, B.P., Rasher, D.B., Steneck, R.S. 2016. Communities associated with a massive crustose coralline algae reef habitat in the western Aleutian Islands. Western Society of Naturalists.
- 2017 Nepsis García¹; Bianka Melissa Sano Perez²; Estefany V. Perez³; Laura Miguelina Diaz Acosta⁴; Robert S. Steneck⁵; Ruben E. Torres⁶. Rapid monitoring of predatory and herbivorous fishes in coral reef ecosystems of the Dominican Republic using the guidelines from the Global Coral Reef Monitoring network (GCRMN), 2017.
- 2017 Steneck R. S. Keynote address to the 11th International Conference & Workshop on Lobster Biology and Management: Maine’s gilded lobster trap: Thinking about long-term strategies.
- 2017 Hetzinger, S., Halfar, J., Kronz, A., Simon, A., Adey, W.H., Steneck, R.S., , Reproducibility of *Clathromorphum compactum* coralline algal Mg/Ca ratios and comparison to high-resolution sea surface temperature data, GeoBremen, September 26th 2017, Bremen, Germany
- 2018 Rinde, E., Anglès d'Auriac, M., Christie, M., Fredriksen, S., Gitmark, J., Hall-Spencer, J., Husa, V., LeGall, L., Freire, P. Steneck, R., Grefsrud, E. Norways hidden marine biodiversity: the hunt for cryptic species within the coralline algae., The Rhodolith workshop in Roscoff UK.
- 2018 Steneck, R. S., and Torres, Ruben. El estado de los arrecifes de coral de la Republica Dominicana. Report to Fundacion PropaGas on the status of coral reefs in the Dominican Republic. 56 pp.

PUBLICATIONS (peer reviewed journals and book chapters):

	<u>Total</u>	<u>Since 2014</u>
Number of citations:	34,493 (2019)	15,447
H-index:	70	44
i10- index	148	124

- 1974 **Steneck, R. S.** Juvenile *Echinometra*. Pg. 102-103. In Spec. Pub. No. 4., West Indies Lab., D. P. Abbott, J. C. Ogden (eds).
- 1976 **Steneck, R. S.** and W. H. Adey. The role of environment in control of morphology in *Lithophyllum congestum*, a Caribbean algal ridge builder. Bot. Mar. 19: 197 - 215.
- 1982 **Steneck, R. S.** A limpet-coraline algal association: adaptations and defenses between a selective herbivore and its prey. Ecology 63: 507-522
- 1982 **Steneck, R. S.** and L. Watling. Feeding capabilities and limitations of herbivorous molluscs: a functional group approach. Mar. Biol. 68: 299-319.
- 1983 **Steneck, R. S.** Escalating herbivory and resulting adaptive trends in calcareous algae. Paleobiology. 9: 45-63.
- 1983 Stanley, S. M., B. Van Valkenburgh, and **R. S. Steneck**. Coevolution and the fossil record. Pages 328 - 349 In Futuyma, D. J. and M. S. Slatkin (eds) Coevolution Sinauer Press.
- 1983 **Steneck, R. S.** Quantifying herbivory on coral reefs: just scratching the surface and still biting off more than we can chew. Pages 103-112. In Reaka M. L. (ed.).The Ecology of Deep and Shallow Coral Reefs. Symposia Series for Undersea Research, Vol. 1.
- 1985 **Steneck, R. S.** Adaptations of crustose coraline algae to herbivory: Patterns in space and time. Pages 352 - 366. In Toomy, D and M. Nitecki (eds). Paleogeology. Springer - Verlag. Berlin.
- 1985 Adey, W. H. and **R. S. Steneck**. Highly productive eastern Caribbean reefs: synergistic effects of biological, chemical, physical and geological factors. In Reaka M. L. (ed.).The Ecology of Deep and Shallow Coral Reefs. Symposia Series for Undersea Research, Vol. 2. Office of Undersea Research, NOAA, Rockville, Maryland.
- 1986 **Steneck, R. S.** Rocky shores revisited. Science 232: 1652 - 1653 (Book review).
- 1986 **Steneck, R. S.** The ecology of coraline algal crusts: convergent patterns and adaptive strategies. Ann. Rev. Ecol. Syst. 7: 273 - 303.
- 1986 **Steneck, R. S.** and R. T. Paine. Ecological and taxonomic studies of shallow-water encrusting Corallinaceae of the boreal northeastern Pacific. Phycologia 25: 221-240.
- 1987 Haskell, B. D., J. D. Witman, **R. S. Steneck**. Complementary use of submersibles and scuba: an example from the Gulf of Maine. Proc. Symp. Amer. Assoc. of Underwater Sciences. Pages 99 - 111. IN M. A. Lang (ed.). Cold Water Diving for Science 1987.
- 1988 **Steneck, R. S.** Herbivory on coral reefs: a synthesis. Proc. 6th International Coral Reef Symposium, Australia. 1: 37 - 49.
- 1988 Vadas, R. L. and **R. S. Steneck**. Zonation of deep water benthic algae in the Gulf of Maine. J. Phycol. 24: 338 - 346.
- 1990 Hacker, S. D. and **R. S. Steneck**. Habitat architecture and the abundance and body-size-dependent habitat selection of a phytal amphipod. Ecology : 71: 2269-2285.
- 1990 **Steneck, R. S.** Herbivory and the evolution of nongeniculate coraline algae (Rhodophyta, Corallinales) in the North Atlantic and North Pacific. in *Evolutionary Biogeography of the Marine Algae of the North Atlantic*. NATO ASI Series G 22: 107 - 129.
- 1991 Braga, J. C., D. Bosence, and **R. Steneck**. Taxonomic implications of microstructural studies on some Cenozoic coraline algae. Proc. 5th Intern. Symposium on Fossil Algae. Capri, Spain.

- 1991 Macintyre, I. G., K. Rützler, J. N. Norris, K. P. Smith, S. D. Cairns, K. E. Bucher, and **R. S. Steneck**. An early Holocene reef in the western Atlantic: submersible investigations of a deep relict reef off the west coast of Barbados, W. I. *Coral Reefs*. 10: 167 - 174.
- 1991 **Steneck, R. S.**, S. D. Hacker and M. N. Dethier. Mechanism determining competitive dominance between crustose coralline algae: an herbivore-mediated reversal. *Ecology*: 72 (3): 938-950.
- 1991 Wahle, R. A. and **R. S. Steneck**. Recruitment habitats and nursery grounds of the American lobster (*Homarus americanus* Milne Edwards): A demographic bottleneck? *Marine Ecology Progress Series*. 69: 231 - 243.
- 1992 **Steneck, R. S.** Plant-herbivore coevolution: A reappraisal from the marine realm and its fossil record. pages 477 - 491. In (John, D. M, J. H. Price, S. J. Hawkins and G. A. Williams eds) *Plant-animal interactions in the marine benthos*. Systematics Association Special Volume. 46. Journ. Mar. Biol. Assoc. UK. Oxford University Press.
- 1992 Wahle, R. A. and **R. S. Steneck**. Habitat restrictions in early benthic life: experiments on habitat selection and in situ predation with the American lobster. *Journal of Experimental Marine Biology and Ecology*. 157: 91 - 114.
- 1993 Bologna, P. and **R. Steneck**. Kelp beds as habitat for the American lobster, *Homarus americanus*. *Marine Ecology Progress Series*. 100: 127 - 134.
- 1993 Braga, J. C., D. W. J. Bosence and **R. S. Steneck**. 1993. New anatomical characters in fossil coralline algae and their taxonomic implications. *Palaeontology* 36: 536 - 547.
- 1993 Moody, K. and **R. S. Steneck**. Mechanisms of predation among large decapod crustaceans of the Gulf of Maine Coast: functional vs phylogenetic patterns. *Journal of Experimental Marine Biology and Ecology*. 168: 111 - 124.
- 1994 Babb, I. G., P. J. Auster, W. Belt, D. Olivier, R. Langton, I. R. MacDonald, P. Popenoe, and **R. S. Steneck**. Dual use of a nuclear powered research submersible: the U.S. Navy's NR-1. *Mar. Tech. Soc. J.* 27: 39 - 48.
- 1994 **Steneck, R. S.** and M. N. Dethier. A functional group approach to the structure of algal-dominated communities. *Oikos* 69: 476 - 498.
- 1994 **Steneck, R. S.** Is herbivore loss more damaging to reefs than hurricanes? Case studies from two Caribbean reef systems (1978 - 1988). pp. 220 - 226. In: Ginsburg RN (ed) *Proc Colloquium on Global Aspects of Coral Reefs: Health, Hazards, and History*, 1993. Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, Florida.
- 1995 Kornfield, I., A. B. Williams, **R. S. Steneck**. 1995. Assignment of *Homarus capensis* (Herbst, 1792), the Cape lobster of South Africa, to *Homarinus* new genus (Decapoda: Nephropidae). *Fishery Bulletin*. 93(1): 97-102.
- 1995 Reid, R. P., I. G. Macintyre, K. M. Browne, **R. S. Steneck**, T. Miller. Modern marine stromatolites in the Exuma Cays Bahamas: Uncommonly Common. *Facies*. 33: 1 - 18.
- 1995 **Steneck, R. S.** A framework for protecting regionally significant habitats: environmental science considerations. Pages 147 - 152 in *Proceedings National Research Council Symposium: Improving the Interaction between Environmental Management and Coastal Ocean Sciences*. National Academy Press. Washington, D. C.
- 1995 **Steneck, R. S.** and M. N. Dethier. 1995. Are functional classifications different for marine vs terrestrial plants? A reply to Grime. *Oikos*. 73: 122 - 124.
- 1995 **Steneck, R. S.** The Gulf of Maine: A case study of over-exploitation. Pages 209 - 212 in Hunter, M. L. Jr. *Fundamentals of conservation biology*. Blackwell Science
- 1995 **Steneck, R. S.**, D. McNaught and S. Zimsen. Spatial and temporal patterns in sea urchin populations, herbivory and algal community structure in the Gulf of Maine. 1994 Workshop on the Management and Biology of the Green Sea Urchin (*Strongylocentrotus droebachiensis*): 34 - 73.

- 1995 Vadas, R. L. and **R. S. Steneck**. Overfishing and inferences in kelp-sea urchin interactions. pages 509 - 524. in. Skjoldal, H. R. Hopkins, C., Erikstad, K. j E. and Leinaas, H. P. (eds). Ecology of Fjords and Coastal Waters. Elsevier Science B. V.
- 1996 Keats, D. W., Steneck, R. S. , Townsend, R. A. and Borowitzka, M. A. *Lithothamnion prolifer* Foslie: a common non-geniculate coralline alga (Rhodophyta: Corallinaceae) from the tropical and subtropical Indo-Pacific. Bot. Mar. 39: 187 - 200.
- 1996 Langton, R., **R. Steneck**, V. Gotceitas, F. Juanes, P. Lawton. The interface between fisheries Research and habitat management. *North American Journal of Fisheries Management*. 16: 1 - 7.
- 1996 Macintyre, I. G, R. P. Reid, and **R. S. Steneck**. Growth history of stromatolites in a Holocene Reef, Stocking Island, Bahamas. *J. Sed. Res.* 66: 231 - 242
- 1997 Acheson, J. M. and **Steneck, R. S.** Examining the bust then boom in the Maine lobster industry: the perspectives of fishermen and biologists. *North American Journal of Fisheries Management* 17: 826 - 847.
- 1997 Acheson, J. M. and **Steneck, R. S.** The role of management in the renewal of Maine lobster industry. *Social Implications of a Quota System in Fisheries TemaNord 1997*: 593: 9 - 26.
- 1997 Macintyre, I. G., **Steneck, R. S.** , Ginsburg, R. N. 1997. Confusion concerning crustose corallines and coral reefs. *Reef Encounters* 22: 8.
- 1997 **Steneck, R. S.** Crustose corallines, other algal functional groups, herbivores and sediment: complex interactions along reef productivity gradients. *Proc. 8th Int. Coral Reef Symp.* 1: 695 - 700.
- 1997 **Steneck, R. S.** Testa, V. Are calcareous algae important to reefs today or in the past? Symposium summary. *Proc. 8th Int. Coral Reef Symp* 1: 685 – 688.
- 1997 **Steneck, R. S.** , I. G. Macintyre, R. P. Reid. A unique algal ridge system of Exuma Cays, Bahamas. *Coral Reefs*. 16: 27-35.
- 1997 **Steneck, R. S.** , Langton, R. W., Juanes, F., Gotceitas, V. and Lawton, P. The interface between fisheries research and habitat management: Response to comment. *North American Journal of Fisheries Management*. 17: 596-598.
- 1997 **Steneck, R. S.** Fisheries-induced biological changes to the structure and function of the Gulf of Maine Ecosystem. Plenary Paper. pages 151 - 165 in Wallace, G. T., and Braasch, E. F. (eds). Proceedings of the Gulf of Maine Ecosystem Dynamics Scientific Symposium and Workshop. RARGOM Report, 97 - 1. Regional Association for Research on the Gulf of Maine. Hanover, NH.
- 1998 Acheson, J. M., Wilson, J. A. and **Steneck, R. S.** Managing chaotic fisheries. In, *Linking Social and Ecological Systems*. pages 390 - 413. Berkes, F., and Folke, C. Eds. Cambridge: Cambridge Univ. Press.
- 1998 Palma, A. T., Wahle, R. A. and **Steneck, R. S.** Different early post-settlement strategies between American lobsters (*Homarus americanus*) and rock crabs (*Cancer irroratus*) in the Gulf of Maine. *Mar. Ecol. Prog. Ser.* 162. 215-225.
- 1998 **Steneck, R. S.** Human influences on coastal ecosystems: Does overfishing create trophic cascades? *Trends in Ecology and Evolution*. 13: 429 - 430.
- 1998 **Steneck, R. S.** , Miller, T. Macintyre, I. G., Reid, P. Ecological controls on stromatolite development in a modern reef environment: a test of the “Ecological Refuge Paradigm” *Carbonates and Evaporites*. 13: 48 - 65
- 1999 Hughes, T., Szmant, A., **Steneck, R.** Carpenter, R., Miller, S. Algal blooms on coral reefs: what are the causes? Critique of: “Nutrient Thresholds for Eutrophication and Macroalgal Overgrowth of Coral Reefs in Jamaica and Southeast Florida: by B. E. Lapointe (*Limnol. Oceanogr.* 42: 119 - 1131). *Limnol. and Oceanogr.* 44: 1583 - 1586
- 1999 Dudgeon, S., **Steneck, R. S.** , Davison, I. R. and Vadas. R. L. Coexistence of similar species in a little-disturbed, space-limited intertidal zone. *Ecol. Monogr.* 69: 331 - 352.

- 1999 Wilbur, A. J., **Steneck, R. S.** Polychromatic patterns of *Littorina obtusata* on *Ascophyllum nodosum*: are snails hiding in intertidal seaweed? *Northeastern Naturalist*. 6: 189-198.
- 1999 Palma, A. T., **Steneck, R. S.** and C. Wilson. Settlement-driven, multiscale demographic patterns of large benthic decapods in the Gulf of Maine. *J. Exp. Mar. Biol. Ecol.* 241: 107-136.
- 1999 Reid, R. P., Macintyre, I. G. and **Steneck, R. S.** A microbialite/algal ridge fringing reef complex, Highborne Cay, Bahamas. *Atoll Res. Bull.* 465: 1 - 18.
- 2001 Adey, W. H. and **Steneck, R. S.** Thermogeography over time creates biogeographic regions: a temperature/space/time - integrated model and an abundance-weighted test for benthic marine algae. *J. Phycol.* 37: 677 - 698.
- 2001 Dethier, M. N. and **Steneck, R. S.** Growth and persistence of diverse intertidal crusts: survival of the slow in a fast-paced world. *Mar. Ecol. Prog. Ser.* 223: 89 - 100.
- 2001 Jackson, J. B., Kirby, M. X., Berger, W., H., Bjorndal, K.A., Botsford, L. W., Bourque, B. J., Bradbury, R., Cooke, R., Erlandson, J, Estes, J. A., Hughes, T. P., Kidwell, S., Lange, C. B., Lenihan, H. S. Pandolfi, J. M., Peterson, C. H., **Steneck, R. S.** Tegner, M. J. Warner, R. Historical overfishing and the recent collapse of coastal ecosystems. *Science*. 293: 629 - 638.
- 2001 Macintyre, I. G., Glynn, P. W. and **Steneck, R. S.** Holocene history of Holandes Cays algal ridge, Panama: an algal coated storm deposit. *Coral Reefs*. 20:95 - 106.
- 2001 Palma, A. and **Steneck, R. S.** Variable coloration in juvenile marine crabs reduces risk against visual predators *Ecology*. 82: 2961-2967.
- 2001 **Steneck, R. S.** and Wilson, C. J. Long-term and large scale spatial and temporal patterns in demography and landings of the American lobster, *Homarus americanus*, in Maine. *Journal of Marine and Freshwater Research*. 52: 1302 - 1319.
- 2001 **Steneck, R. S.** Functional Groups. Pages 121 - 139 in Levin, S. (ed). *Encyclopedia of Biodiversity*. Vol. 1. Academic Press, Inc.
- 2001 **Steneck, R. S.** and Carlton, J. T. Human alterations of marine communities: Students Beware! pages 445 - 468 in Bertness, M, Gaines, S., and Hay, M. (eds). *Marine Community Ecology*. Sinauer press.Sunderland, MA.
- 2002 Andrew, N.L., Y. Agatsuma, E. Ballesteros, A.G. Bazhin, E.P. Creaser, D.K.A. Barnes, L.W. Botsford, A. Bradbury, A. Campbell, J.D. Dixon, S. Einarsson, P. Gerring, K. Hebert, M. Hunter, S.B. Hur, C.R. Johnson, M.A. Juinio-Meñez, P. Kalvass, R.J. Miller, C.A. Moreno, J.S. Palleiro, D. Rivas, S.M.L. Robinson, S.C. Schroeter, R.S. **Steneck, R.I.** Vadas, D.A. Woodby and Z. Xiaoqi. 2002 Status and Management of World Sea Urchin Fisheries. *Oceanography and Marine Biology: an Annual Review*. 40: 343 - 425.
- 2002 Figueiredo, M.A. de O. and **Steneck, R. S.** Floristic and ecological studies of crustose coralline algae on Brazil's Abrolhos reefs. *Proc. 9th Int. Coral Reef Symp.* 1: 493-497
- 2002 **Steneck, R. S.** , Graham, M. H. , Bourque, B. J., Corbett, D., Erlandson, J. M, Estes, J. A., and Tegner, M. J. Kelp forest ecosystem: biodiversity, stability, resilience and their future. *Environmental Conservation*. 29 (4): 436 - 459. (Eastonian translation by Ms. Anna Galovich found in: <http://blog.1800flowers.com/international/steneck-cons-et/>)
- 2003 **Steneck, R. S.** , and Lang, J. C. Rapid assessment of Mexico's Yucatan Reef in 1997 and 1999: pre- and post- mass bleaching and Hurricane Mitch (stony corals, algae and fish). Pp 294 - 317 in J.C. Lang (ed.), *Status of Coral Reefs in the western Atlantic: Results of initial Surveys, Atlantic and Gulf Rapid Assessment (AGRRA) Program*. Atoll Research Bull. 496.
- 2003 **Steneck, R. S.** , Kramer, P. A., and Loreto, R. M. The Caribbean's Western-most Algal Ridge in Cozumel, Mexico. *Coral Reefs*. 22: 27-28.
- 2004 **Steneck, R. S.** , Vavrinec, J. and Leland, A. V. Accelerating trophic level dysfunction in kelp forest ecosystems of the western North Atlantic. *Ecosystems*. 7(4): 323-331

- 2005 Ray, J. C., Redford, K. H., Berger, J., and **Steneck, R. S.** Is large carnivore conservation equivalent to biodiversity conservation and how can we achieve both? . Pages 400 – 428 in Ray, J., Redford, K., **Steneck, R.** and Berger, J.(eds) *Large Carnivores and the conservation of biodiversity*. Island Press.
- 2005 Sale, P. F., Cowen, R. K., Danilowicz, B. S., Jones, G. P., Kritzer, J. P. Lindeman, K. C., Planes, S., Polunin, N. V. C., Russ, G. R., Sadovy, Y. J. and **Steneck, R. S.** Critical science gaps impede use of no-take fishery reserves. *Trends in Ecology and Evolution*. 20: 74-80.
- 2005 **Steneck, R. S.** Are we overfishing the American lobster? Some biological perspectives. Chapter 8. pages 127 – 143. in R. Buchsbaum, W. E. Robinson, J. Pederson (eds). 2005. *The Decline of Fisheries Resources in New England: Evaluating the Impact of Overfishing, Contamination, and Habitat Degradation*. MIT Sea Grant College Program, Cambridge, MA, no: 04-7
- 2005 **Steneck, R. S.** An ecological context for the role of large carnivorous animals in conserving biodiversity. Pages 9 – 33 in Ray, J., Redford, K., **Steneck, R.** and Berger, J.(eds) *Large Carnivores and the conservation of biodiversity* Island Press.
- 2005 **Steneck, R. S.** and Sala, E. A. Large marine carnivores: trophic cascades and top-down controls in coastal ecosystems past and present. Pages 110 – 137 in Ray, J., Redford, K., **Steneck, R.** and Berger, J. (eds) *Large Carnivores and the conservation of biodiversity* Island Press.
- 2005 Hughes, T. P., Bellwood, D. R., Folke, C., **Steneck, R. S.** and Wilson, J. E. New paradigms for supporting resilience of marine ecosystems. *Trends in Ecology and Evolution*. 20:380 - 386.
- 2005 McClanahan, T. R., **Steneck, R. S.** , Cokos, B., Pietri, D., Jones, S. Interaction between inorganic nutrients and organic matter in controlling coral reef communities in Glovers Reef Belize. *Marine Pollution Bulletin* 50: 566 – 575.
- 2006 Butler, M., **Steneck, R. S.** and Herrnkind, W. The ecology of juvenile and adult lobsters. Pages 263 – 309 In. Phillips, R. (ed). *Lobsters: the biology, management aquaculture and fisheries*. Blackwell Publishing Ltd. Oxford UK.
- 2006 **Steneck, R. S.** Is the American lobster, *Homarus americanus* overfished? A review of overfishing with an ecologically-based perspective. *Bulletin of Marine Sciences*. 78: 607 –632.
- 2006 Berkes, F., Hughes, T. P., **Steneck, R. S.** , Wilson, J. Bellwood, D. R., Crona, B., Folke, C., Leslie, H., Norberg, J., Nystron, M., Olsson, P., Scheffer, M., Worm, B., Globalization, roving bandits and marine resources *Science*. 311: 1557 – 1558.
- 2006 Pandolfi, J. M., Tudhope, A.W., Burr, G., Chappell, J., Etinger, E., Frey, M. **Steneck, R.**, Sharma, C., Yeats, A., Jennions, M., Lescinsky, H., and Newton, A. Mass mortality following disturbance in Holocene coral reefs from Papua New Guinea. *Geology*. 34:949 – 952.
- 2006 **Steneck, R. S.** Staying connected in a turbulent world. *Science*. 311: 480-481.
- 2006 Incze, L. S., Wahle, R. A., Wolff, N., Wilson, C., **Steneck, R.** Annis, E., Lawton, P., Xue, H. and Chen, Y. Early life history and a modeling framework for lobster (*Homarus americanus*) populations in the Gulf of Maine. *Journal of Crustacean Biology* 26: 555 – 564.
- 2006 **Steneck, R. S.** Lobsters as model organisms for interfacing behavior, ecology and fisheries: Summary on Cooperative Research. *Journal of Crustacean Biology* 26: 663 – 665.
- 2006 **Steneck, R. S.** Possible demographic consequences to intraspecific shelter competition among American lobsters. *Journal of Crustacean Biology* 26: 628-638
- 2007 Annis, E. R., Incze, L. S., Wolff, N. and **Steneck, R.** Estimates of in situ larval development time for the lobster, *Homarus americanus*. *J. Crustacean Biology* 27, (3),. 454 – 462.

- 2007 Diaz-Pulido G, McCook LJ, Larkum AWD, Lotze HK, Raven JA, Schaffelke B, Smith JE, **Steneck RS**. Vulnerability of macroalgae of the Great Barrier Reef to climate change. Marshall PA, Johnson J (Ed) Climate change and the Great Barrier Reef. Great Barrier Reef Marine Park Authority, Townsville, pp 153-192
- 2007 Erlandson, J.M., Graham, M. H., Bourque, B. J., Corbett, D., Este, J. A., and **Steneck, R. S.** The Kelp Highway Hypothesis: Marine Ecology, the Coastal Migration Theory, and the Peopling of the Americas. *Journal of Island and Coastal Archaeology*. 2:2, 161 - 174
- 2007 Hughes, T. P. Rodrigues, M. J., Bellwood, D. R., Ceccarelli, D., Hoegh-Gulberg, O, McCook, L., Moltschanowskyj, N. Pratchett, M. S., **Steneck, R. S.** and Willis, B. Phase-shifts, herbivory and the resilience of coral reefs to climate change. *Current Biology*. 17: 1 - 6
- 2007 Hughes, T. P., Gunderson, L. H., Folke, C., Baird, A., H., Bellwood, D., Berkes, F., Crona, B., Helfgott, A., Leslie, H., Norberg, J., Nystrom, M., Olsson, P., Osterblom, H., Scheffer, M., Schuttenberg, H., **Steneck, R. S.**, Tengö, M., Troell, M. Walker, B., Wilson, J. and Worm, B. Adaptive management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. *Ambio*. 36(7): 586 – 592.
- 2007 Schumann, R., Moy, S., Steneck, B., Wiktor, J., Hop, H. and Wiencke, C., 2007. Biodiversity of benthic micro-and macroalgae from Svalbard with special focus on Kongsfjorden. *The ecosystem of Kongsfjorden, Svalbard, Adv Polar Ecol, SpringerGraham MH, Vsquez JA, Buschmann AH.*
- 2007 Halfar, J. **Steneck, R.** Schöne, Moore, G. W. K., Joachimski, M., Kronz, A., Fietzke, J., and Estes, J. 2007. Coralline alga reveals first marine record of subarctic North Pacific climate change. *Geophysical Research Letters*. 34: L07702.(**Selected as EDITOR'S HIGHLIGHT**).
- 2007 Hoegh-Guldberg, O., Mumby, P.J., Hooten, A. J., **Steneck, R.S.**, Greenfield, P., Gomez, E., Harvell, D. R, Sale, P.F., Edwards, A.J., Caldeira, K., Knowlton, N., Eakin, C. M., Iglesias-Prieto, R., Muthiga, N., Bradbury, R.H., Dubi, A., and Hatziolos, M. E., Coral Reefs under Rapid Climate Change and Ocean Acidification. *Science*. 318: 1737 – 1742.
- 2007 **Steneck, R. S.** , Gulf of Maine: a case study. Pages 199 – 202 in Hunter, M. L., Jr. and Gibbs, J. Fundamentals of Conservation Biology. 3rd Ed. Blackwell Publishing. 497.
- 2007 **Steneck, R. S.** , Martone, P. Calcified algae. Pages 21 – 24 In Denny, M. and Gaines, S. Encyclopedia of Tidepools and Rocky Shores. Univ. of California Press.
- 2008 **Steneck, R. S.** , Bustamante, R. H. Dayton, P. K., Jones, G. P. and Hobday, Al J. Kelp forest ecosystems: current status and future trends. Pages 226-241 in Polunin NVC (ed) Aquatic ecosystems: trends and global prospects. Cambridge University Press.
- 2008 Bourque, B. J., Johnson, B., and **Steneck R. S.** Possible prehistoric hunter-gatherer impacts on food web structure in the Gulf of Maine. Pages: 165 – 187 In. Erlandson, J. and Torben, R. (eds) Human Impacts on Ancient Marine Environments. Univ. of California Press.
- 2008 Halpern, B., S., Walbridg, S., Selkoe, K. A., Kappel, C. V., Micheli, F., D'Agrosa, C. D., Bruno, J. F., Casey, K. S., Ebert, C., Fox, H. E., Fujita, R., Heinemann, D., Lenihan, H. S., Madin, E. M. P., Perry, M., Selig, E R., Spalding, M., **Steneck, R. S.** , Watons, R. A global map of human impact on marine ecosystems. *Science*. 319: 948 – 952.
- 2008 Keller, B.D., S. Airamé, B. Causey, A. Friedlander, D.F. Gleason, R. Grober-Dunsmore, J. Johnson, E. McLeod, S.L. Miller, **R.S. Steneck**, and C. Woodley. 2007. Marine protected areas. Pages 8-1 - 8-131 in S.H. Julius and J.M. West, eds. Preliminary review of adaptation options for climate-sensitive ecosystems and resources. Synthesis and assessment product 4.4, U.S. Climate Change Science Program, Washington, DC.
- 2008 Halfar, J. , **Steneck, R.S.**, Joachimski, M. , Kronz, A., Wanamaker, A.D., Jr. Coralline red algae as high-resolution climate recorders. *Geology*: 36:463 – 466.

- 2008 Mumby, P., J., and **Steneck, R. S.** Coral reef management and conservation in the light of rapidly-evolving ecological paradigms. *Trends in Ecology and Evolution* 23: 555 - 563
- 2008 Sale, P.F., M.J. Butler IV, A.J. Hooten, J.P. Kritzer, K.C. Lindeman, Y.J. Sadovy de Mitcheson, **R.S. Steneck**, and H. van Lavieren, 2008. Stemming Decline of the Coastal Ocean: Rethinking Environmental Management, UNU-INWEH, Hamilton, Canada
- 2009 Keller, B. D., Gleason, D. F., McLeod, E., Woodley, C. M., Airame, S., Causey, B. D., Friedlander, A. M., Grober-Dunsmore, R., Johnson, J. E., Miller, S. L., **Steneck, R. S.** Climate change, coral reef ecosystems, and management options for marine protected areas. *Environmental Management*. 44:6 . DOI 10.1007/s00267-009-9346-0
- 2009 **Steneck, R. S.** Marine Conservation: Moving beyond Malthus. *Current Biology*. 19: R117-R119.
- 2009 Hetzinger, S., Halfar, J., Kronz, A., **Steneck, R.**, Adey, W., Lebednik, P., Schone, B. High-resolution Mg/Ca ratios in a coralline red alga as a proxy for Bering Sea temperature variations from 1902 – 1967. *Paleos*. 24:406 - 412
- 2009 Jones, G. P., Almany, G. R., Russ, G. D., Sale, P. F., **Steneck, R. S.**, van Oppen, MJH, Willis, B. L., Williamson, D. H. Larval retention and connectivity among populations of corals and reef fishes: history, advances and challenges *Coral Reefs*: DOI: 10.1007/s00338-009-0469-9
- 2009 Jones, G. P., Russ, G. D., Sale, P. F., **Steneck, R. S.** Theme section on “Larval connectivity, resilience and the future of coral reefs” *Coral Reefs* 28:303–305
- 2009 Ritson-Williams, Arnold S., Fogarty N, Steneck RS, Vermeij MJA, Paul VJ (2009) New perspectives on ecological mechanisms affecting coral recruitment on reefs. *Smithsonian Contribution to Marine Sciences* 38:437-45
- 2009 Ritson-Williams, R. V. J. Paul, S. N. Arnold, **R. S. Steneck**. Larval settlement preferences and post-settlement survival of the threatened Caribbean corals *Acropora palmata* and *A. cervicornis* . *Coral Reefs*. DOI 10.1007/s00338-009-0555-z
- 2009 **Steneck, R. S.**, Paris, C. B., Arnold, S. N., Ablan-Lagman, M. C., Alcalá, A. C., Butler, M.J., McCook, L.J., Russ, G. R., Sale, P. F. Thinking and managing outside the box: Enlarging the footprint and coalescing connectivity networks for the resilience of coral reef ecosystems. *Coral Reefs*. DOI: 10.1007/s00338-009-0470-3 (**Selected by Faculty of 1000 Biology as “Exceptional” a “Must Read” publication**)
- 2009 Stephenson, E. H., **Steneck, R. S.**, and Seeley, R. H. Possible temperature limits to range expansion of non-native Asian shore crabs in Maine. *Journal of Experimental Marine Biology and Ecology*. DOI: 10.1016/j.jembe.2009.04.020
- 2009 Wilson, K., Kelley, J., Croitoru, A., Dionne, M., Belknap, D. and **Steneck, R.** Stratigraphic and Ecophysical Characterizations of Salt Pools: Dynamic Landforms of the Webhannet Salt Marsh, Wells, ME, USA. *Estuaries and Coasts*. 32:855–870
- 2010 Estes, J. A., Peterson, C. H. and **Steneck, R. S.** , Some effects of apex predators in higher-latitude coastal oceans. Pages 37 – 53 In: *Trophic Cascades: predators, prey, and the changing dynamics of nature*. Terborgh, J. and Estes, J. S. (eds). Island Press, Washington, DC.
- 2010 Incze, L., Xue, H., Wolff, N., Xu, D., Wilson, C. and **Steneck, R. S.** Connectivity of lobster populations in the coastal Gulf of Maine Part II. Coupled biophysical dynamics. *Fisheries Oceanography* 19: 1, 1–20
- 2010 **Steneck R. S.**, and Wilson, J. A. A fisheries play in an ecosystem theater: challenges of managing ecological and social drivers of marine fisheries at nested spatial scales. *Bulletin of Marine Science*. 86(2): 387–411
- 2010 Arnold, S., Mumby, P. **Steneck, R. S.** Running the gauntlet to coral recruitment through a sequence of local multiscale processes. *Marine Ecology Progress Series*. DOI 10.3354/meps08724.

- 2010 Foley, M., Halpern, B.S., Micheli, F., Armsby, M.H., Caldwell, M. R., Prahler, E., Silvas, D., Crain, C. M., Rohr, Beck, M. W., Carr, M. H., Crowder, L. B., Duffy, E., Hacker, S., D., McLeod, K., Peterson, C. H., Regan, H. M., Sandifer, P. A., **Steneck, R. S.**, Guiding scientific principles for marine spatial planning. *Marine Policy*. doi:10.1016/j.marpol.2010.02.001
- 2010 Gelcich, S., Hughes, T. P., Olsson, P., Folke, C., Defeo, O., Fernandez, M., Foal, S., Gunderson, L. H., Rodriguez-Sickert, C., Scheffer, M., **Steneck, R.**, and Castilla, J. C. Navigating transformations in governance of Chilean marine coastal resources. *Proc. Of Nat. Acad. Sciences*. Doi: 10.1073/pnas.1012021107
- 2010 Hughes, T., Graham, N., Jackson, J., Mumby, P., **Steneck, R.** Rising to the challenge of sustaining coral reef resilience. *Trends in Ecology and Evolution*. doi: 10.1016/j.tree.2010.07.011
- 2010 Lorenzen, K., **Steneck, R.** Warner, R. R. Parma, A. M. Coleman, F. C. and Leber, K. M. The spatial dimensions of fisheries: putting it all in place. An introduction to the proceedings of the seventh William R. and Lenore Mote Symposium in Fisheries Ecology. *Bulletin of Marine Science*. 86(2): 169–177
- 2010 Sale, P.F., Van Lavieren, H., Lagman, M.A., Atema, J., Butler, M., Fauvelot, C., Hogan, J.D., Jones, G.P., Lindeman, K.C., Paris, C.B. and Steneck, R., Preserving reef connectivity: A handbook for marine protected area managers. Connectivity Working Group. *Coral Reef Targeted Research & Capacity Building for Management Program, UNU-INWEH*.
- 2010 Wells, R.J.D., **Steneck, R. S.**, Palma, A. T. , Three-dimensional resource partitioning between American lobster (*Homarus americanus*) and rock crab (*Cancer irroratus*) in a subtidal kelp forest, *J. Exp. Mar. Biol. Ecol.* (2010), doi:10.1016/j.jembe.2010.01.008
- 2011 Hetzinger, S. J. Halfar, J. V. Mecking, N. S. Keenlyside, A. Kronz, R. S. Steneck, W. H. Adey, P. A. Lebednik Marine proxy evidence linking decadal North Pacific and Atlantic climate. *Climate Dynamics*. DOI 10.1007/s00382-011-1229-4.
- 2011 Hetzinger, S., Halfar, J., Zack, T., Jacob, D., Kunz, B., Gamboa, G., Kronz, A., Adey, W., Lebednik, P., **Steneck, R.**, High-resolution analysis of trace elements from the North Atlantic and North Pacific in encrusting coralline algae by laser ablation ICP-MS. **Palaeogeography, Palaeoclimatology, Palaeoecology**, 302, 81-94. doi:10.1016/j.palaeo.2010.06.004, Impact Factor: 2.8
- 2011 Halfar, J., Williams, B, Hetzinger, S., **Steneck, R.S.**, Lebednik, P., Winsborough, C., Omar, A., Chan, P., Wanamaker, A., 225 years of Bering Sea climate and ecosystem dynamics archived by coralline algae, *Geology*. 39: 579-582. Impact Factor: 4.2
- 2011 Mumby, P. J. and **Steneck, R. S.** The resilience of coral reefs and its implications for reef management. Chapter 29 Pages 509 -519 in. Dubinsky, Z. and Stambler, N. (eds) *Coral Reefs: An Ecosystem in Transition*. Springer Press. DOI 10.1007/978-94-007-0114-4_29.
- 2011 **Steneck, R. S.**, Hughes, T. P., Adger, N., Arnold, S., Boudreau, S., Brown, K. Berkes, F., Cinner, J., Folke, C., Gunderson, L., Olsson, P., Scheffer, M., Stephenson, E. Walker B., Wilson, J. and Worm, B. Creation of a gilded trap by the high economic value of the Maine lobster fishery. *Conservation Biology* DOI: 10.1111/j.1523-1739.2011.01717 (Selected by Faculty of 1000 Biology as among “the top 2% of published articles in biology and medicine”).
- 2011 Williams, B., Halfar, J., **Steneck, R. S.**, Wortmann, U. G., Hetzinger, S., Adey, W., Lebednik, P., and Joachimski, M.: Twentieth century $\delta^{13}\text{C}$ variability in surface water dissolved inorganic carbon recorded by coralline algae in the northern North Pacific Ocean and the Bering Sea, *Biogeosciences Discuss*, 7, 5801-5828, doi:10.5194/bgd-7-5801-2010

- 2012 Mumby, P. J., **Steneck, R. S.**, Edwards, A.J., Coleman, R., Harborne, A. R., Gibson, J. P. Fishing down a Caribbean food web and discovering trophic cascades. *Marine Ecology Progress Series*. 445: 13 - 24
- 2012 **Arnold, S. N.** and **Steneck, R. S.** Settling into an increasingly hostile world: The rapidly closing “recruitment window” for corals. *PLoS ONE* 6(12): e28681. doi:10.1371/journal.pone.0028681. (**Selected by Faculty of 1000 Biology as among “the top 2% of published articles in biology and medicine”**).
- 2012 Nyström M, Norström AV, Bleckner T, de la Torre Castro M, Eklöf JS, Folke C, **Steneck RS**, Thyresson M, Troell M, Österblom H. Confronting feedbacks of degraded marine ecosystems. *Ecosystems*. DOI 10.1007/s10021-012-9530-6
- 2012 Perry, C. T., Edinger, E. N., Kench, P. S., Murphy, G. N., Smithers, S. G., **Steneck, R. S.** and Mumby P. J.. Estimating rates of biologically driven coral reef framework production and erosion: a new census-based carbonate budget methodology and application to the reefs of Bonaire. *Coral Reefs* 31: 853 - 868
- 2012 Pikitch, E., Boersma, P.D., Boyd, I.L., Conover, D.O., Cury, P., Essington, T., Heppell, S.S., Houde, E.D., Mangel, M., Pauly, D., Plagányi, É., Sainsbury, K., and **Steneck, R.S.** 2012. Little Fish, Big Impact: Managing a Crucial Link in Ocean Food Webs. Lenfest Ocean Program. Washington, DC. 108 pp.
- 2012 **Steneck, R. S.** Apex predators and trophic cascades in large marine ecosystems: learning from serendipity. *Proceeding in the National Academy of Sciences*. 109: 7953 – 7954.
- 2013 Mumby, P, **Steneck, R.**, Hastings, A. Evidence for and against the existence of alternate attractors on coral reefs. *Oikos*: doi: 10.1111/j.1600-0706.2012.00262.
- 2013 Perry CT, Murphy GN, Kench PS, Edinger EN, Smithers SG, **Steneck RS**, Mumby PJ. Caribbean-wide decline in carbonate production threatens coral reef growth. *Nature Communications*: DOI: 10.1038/ncomms2409.
- 2013 Witman, J., Dayton, P. **Arnold, S.** **Steneck, R.**, Marsh, A. Birkeland, C. 2011. The scuba science revolution. *Smithsonian Cont. to Mar. Sci.* 39: 3 – 12.
- 2013 Estes, J. A., **Steneck, R. S.**, Lindberg, D. R. Exploring the Consequences of Species Interactions through the Assembly and Disassembly of Food Webs: A Pacific/Atlantic Comparison. *Bulletin of Marine Sciences*. 89(1), 11-29.
- 2013 Mumby, P.J., Bejarano, S. Golbuu, Y. **Steneck, R. S.**, Suzanne N. Arnold, Robert van Woesik, Alan Friedlander Empirical relationships among resilience indicators on Micronesian reefs. *Coral Reefs*. DOI 10.1007/s00338-012-0966-0
- 2013 **Steneck RS.** Sea urchins as drivers of shallow benthic marine community structure Pages 195 – 212 In “*Sea Urchins: Biology and Ecology*, Third Edition” (J. M. Lawrence, Ed.), Academic Press, San Diego.
- 2013 **Steneck, R. S.**, and Wahle, R. A. American lobster dynamics in a brave new ocean. *Canadian Journal of Fisheries and Aquatic Sciences*. 2013, 70(11): 1612-1624
- 2013 **Steneck, R. S.**, Johnson, C. Kelp forests: dynamic patterns, processes and feedbacks. Pages 315 - 336 in Bertness, M., Silliman, B., Stachowitz, J. *Marine Community Ecology*.
- 2013 **Steneck, R. S.**, Leland, A., McNaught, D., Vavrinec, J. Ecosystem flips, locks and feedbacks: The lasting effects of fisheries on Maine’s kelp forest ecosystem. *Bulletin of Marine Sciences*. 89: 31 – 55 (doi.org/10.5343/bms.2011.1148) **Selected by Faculty 1000 as outstanding. Also highlighted by the journal and awarded ‘open access’**.
- 2013 Wilson, J., Hill, J., Kersula, M., Wilson, C. L., Whitsel, L., Yan, L., Acheson, J., Chen, Y. Cleaver, C., Congdon, C., Hayden, A., Hayes, P., Johnson, T., Morehead, G., **Steneck, R.**, Turner, R., Vadas, R., Wilson, C. J. Costly information and the evolution of self-organization in a small, complex economy. *J. Econ. Behav. Org.* <http://dx.doi.org/10.1016/j.jebo.2012.12919>.

- 2014 **Steneck, R. S., Arnold, S. N., Mumby, P. J.** Experiment mimics fishing on parrotfish: insights on coral reef recovery and alternative attractors. *Marine Ecology Progress Series*. 506: 115 – 127. doi/ 10.3354/meps10764.
- 2014 Travis, J., Coleman, F. C., Auster, P. J., Cury, P.M., Estes, J. A., Orensanz, J., Peterson, C. H., Power, M. E., **Steneck, R. S.**, Wootton, J. T. The invisible fabric of nature: species interactions and fisheries management. *Proceedings of the National Academy of Sciences*. (doi/10.1073/pnas.1305853111).
- 2014 Perry CT, Murphy GN, Kench PS, Edinger EN, Smithers SG, **Steneck RS**, Mumby PJ. Changing dynamics of Caribbean reef carbonate budgets: emergence of reef bioeroders as critical controls on present and future reef growth potential'. *Proceedings of the Royal Society B*. 281, 20142018. <http://dx.doi.org/10.1098/rspb.2014.2018>
- 2014 Pikitch, Ellen; Rountos, Konstantine; Essington, Timothy; Santora, Christine; Pauly, Daniel; Watson, Reg; Sumaila, Rashid; Boersma, P; Boyd, Ian; Conover, David; Cury, Philippe; Heppell, Selina; Houde, Edward; Mangel, Marc; Plaganyi, Eva; Sanisbury, Keith; **Steneck, Robert**; Geers, Tess; Gownaris, Natasha; Munch, Stephan, The global contribution of forage fish to marine fisheries and ecosystems. *Fish and Fisheries*: 15: 43 – 64.
- 2014 Ritson-Williams, R., Arnold, S. N. Paul, V. J., **Steneck R. S.** 2013. Larval settlement preferences of *Acropora palmata* and *Montastraea faveolata* in response to diverse red algae. *Coral Reefs*. DOI 10.1007/s00338-013-1113-2.
- 2014 Williams, B., Halfar, J., DeLong, K.L., Hetzinger, S., **Steneck, R. S.**, and Jacob, D. E., Multi-specimen and multi-site calibration of Aleutian coralline algal Mg/Ca to sea surface temperature. *Geochimica et Cosmochimica Acta*.
2014. Perry, C.T, **Steneck, R. S.** Murphy, G. N, Kench, P. S., Edinger, E. N., Smithers S. G., Mumby, P. J. Regional-scale dominance of non-framework building corals on Caribbean reefs affects carbonate production and future reef growth. *Global Change Biology*. Doi: 10.1111/gcb.12792.
- 2015 Aswani, S., Mumby, P. J. Baker, A. C., Christie P., McCook, L. J., **Steneck, R. S.** and Richmond, R. H. Scientific Frontiers in the Management of Coral Reefs. *Frontiers in Marine Science*. 2:50 doi: 10.3389/fmars.201500050
- 2015 Dean, A., **Steneck, R. S.**, Tager, D., Pandolfi, J. M. Overlooked biodiversity of crustose coralline algae on the Great Barrier Reef: Their Distribution, diversity and abundance. *Coral Reefs*: 34 (2): 581 – 594.
- 2015 Edmunds, P., **Steneck, R.**, Albright, L., Carpenter, R., Chuie, R. C., Fan, A., Gates, R., Harii, S., Kitano, H., Kurihara, H., Legendre, L , Mitarai, H., Nozawa, S., Padilla-Gamino, Y., Sakai, K. Suzuki, G., van Oppen, M., Price, N. N., , Satoh, N. Yarid, A., Geographic variation in long-term trajectories of change in coral recruitment: a global to local perspective. *Marine and Freshwater Research* 66(7) 609-622 <http://dx.doi.org/10.1071/MF14139>
- 2015 Quéré, G., Meistertzheim, A.L., **Steneck, R.S.** and Nugues, M.M., 2015. Histopathology of crustose coralline algae affected by white band and white patch diseases. *PeerJ*, 3, p.e1034.
- 2015 Roff, G., Doropoulos, C., Zupan, M. Rogers, A., **Steneck, R.**, Golbuu, Y and Mumby, P. J. Phase shift facilitation following cyclone disturbance on coral reefs. *Oecologia*: 178, Issue 4, pp 1193-1203
- 2015 Fietzke, J., Ragazzola, F., Halfar, J., Dietze, H., Foster, L. C., Hansteen, T. H., Eisenhauer, A. and **Steneck, R. S.** Boron isotope images reveal seasonal cycle and long-term trend in sea water pH. *Proceedings of the National Academy of Sciences*. *Proceedings of the National Academy of Sciences*, 112(10), 2960-2965.

- 2015 Fredriksen, S., Karsten, U., Bartsch, I., Woelfel, J., Koblowsky, M., Schumann, R., Moy, S., **Steneck, R.**, Wiktor, J., Wiencke, C. Biodiversity of benthic micro- and macroalgae from Svalbard with special focus on Kongsfjorden. *Adv Polar Ecol.* In press.
- 2015 Mumby, P. J., **Steneck, R. S.**, Adjeroud, M. Arnold, S., N. The importance of herbivorous fish as a driver of coral recruitment in Pacific versus Atlantic ecosystems. *Oikos*. DOI: 10.1111/oik.02673
- 2015 Quéré, G., **Steneck, R. S.**, Nugues, M. M. Spatio-temporal and species-specific patterns of diseases affecting crustose coralline algae in Curacao. *Coral Reefs*. 34: 259 – 273. DOI 10.1007/s00338-014-1225.
- 2015 Roff, G., Bejarano, S., Bozec, Y., Nuges, M., **Steneck, R. S.**, Mumby, P. J. *Porites* and the Phoenix effect: unprecedented recovery after a mass coral bleaching event at Rangiroa Atoll, French Polynesia. *Marine biology*, 161(6), 1385-1393.
- 2015 Roff, G., Chollett, I., Doropolous, C., Golbuu, Y., **Steneck, R. S.**, and Mumby, P.J. Exposure-driven phase shift following catastrophic disturbance on coral reefs. *Coral Reefs*. 34:715 – 725.
- 2016 Mumby, P.J., **Steneck, R.S.**, Adjeroud, M. and Arnold, S.N., 2016. High resilience masks underlying sensitivity to algal phase shifts of Pacific coral reefs. *Oikos*, 125(5), pp.644-655.
- 2016 Krumhansl KA*; Okamoto D; Rassweiler A³; Novak M⁴; Cavanaugh KC⁵; Connell SD⁶; Johnson C⁷; Konar B⁸; Ling S⁷; Micheli F⁹; Norderhaug K¹⁰; Pérez-Matus A¹¹; Pinto IS¹²; Reed D³; Salomon A¹; Shears N¹³; Wernberg T¹⁴; Barrett N⁷; Buschmann AH¹⁵; Carr M¹⁶; Caselle JE⁷; Derriene S¹⁷; Goodwin C¹⁸; Edgar G⁷; Edwards ME¹⁹; Estes J⁶; Kenner M¹⁶; Kushner DJ²⁰; Moy F²¹; Nunn J⁸; **Steneck R**²²; Vásquez J²³; Vega A²³; Witman J²⁴ Byrnes J²; Global Patterns of Kelp Forest Change over the Past Half-Century. *Proceedings of the National Academy of Sciences*. Doi/10.1073/pnas.1606102113.
- 2017 McHenry, J., **Steneck, R.S.** and Brady, D.C., Abiotic proxies for predictive mapping of nearshore benthic assemblages: implications for marine spatial planning. *Ecological Applications*, 27(2), pp.603-618.
- 2017 Camacho, R.A. and **Steneck, R.S.**, 2017. Creating a TURF from the bottom-up: Antigua's community-based coral reef no-take reserve. *Bulletin of Marine Science*, 93(1), pp.217-232.
- 2017 **Steneck, R. S.**, Bellwood, D. R., Hay, M. E. Herbivory in the Marine Realm. *Current Biology* 27: 1-6. **Impact factor 8.85**
- 2017 Bejarano, S., Jouffray, J. Chollett, I., Allen, R., Elma, E., Roff, G. **Steneck, R.**, Ferse, S., Mumby, P. J. The shape of success in a turbulent world: Wave exposure filtering of coral reef fishes. *Functional Ecology* 2017 doi: 10.1111/1365-2435.12828. **Impact factor 5.21**
- 2017 **Steneck, R. S.**, Parma, A., Ernst, B., Wilson, J. Two lobster tales: lessons from the convergent evolution of TURFs in Maine (USA) and the Juan Fernandez Islands (Chile)". *Bulletin of Marine Sciences*. 93: 13 – 33. *Editor's choice for "Featured article" and awarded 'open access'*. **Impact factor 2.26**
- 2017 Williams, B., Halfar, J., DeLong, K.L., Smith, E., **Steneck, R.**, Lebednik, P., Jacob, D. E., Fietzke, J., Moore, G. W. K. North Pacific 20th century decadal-scale variability is unique for the past 350 years. *Geophysical Research Letters*. 44: 3761 - 3769. **Impact factor 4.25**
- 2018 Hetzinger, S., Halfar, J., Kronz, A., Simon, K., Adey, W.H. and **Steneck, R.S.**, 2018. Reproducibility of *Clathromorphum compactum* coralline algal Mg/Ca ratios and comparison to high-resolution sea surface temperature data. *Geochimica et Cosmochimica Acta*, 220, pp.96-109. **Impact factor 4.25**
- 2018 Mumby, P. J., **Steneck, R. S.** Paradigm lost: Dynamic nutrients and missing detritus on coral reefs. *BioScience* in press. **Impact factor 5.38**

- 2018 Perry, C., T., Alvarez-Flip, Graham, N. A., Kench, P. S., Manzello, D. P. **Steneck, R. S.**, et al. Loss of coral reef growth capacity to track sea-level rise under climate change. *Nature*. doi.org/10.1038/s41586-018-0194-z. **Impact factor 40.13.**
- 2018 Pkitch, E. K., Munch, S. B., Broms K. M., Mangel, Perretti, C., D. Boersma, Boyd, I., L., Conover, D. O., Cury, P., Essington, T. Geers, N. Gownaris, S. Heppell, E. Houde, D. Pauly, E. Plaganyi, Rountos, KI., Sainsbury, K., Santora, **R. S. Steneck**. The Strong Connection Between Forage Fish and Their Predators: Correcting Hilborn et al. *Fisheries Research*. 198: 220 - 223. **Impact factor 1.9.**
2018. Anglès d'Auriac, M. B., Le Gall, L., Peña, V., Hall-Spencer, J. **Steneck, R.** Fredriksen, S., Husa, V., Gitmark, J. Christie, H., Eli Rinde. Efficient coralline algal psbA mini barcoding and HRM analysis using a simple custom DNA preparation" In press: *Nature Scientific Reports*.
- 2018 Roff, George, Sonia Bejarano², Mark Priest¹, Alyssa Marshall³, Iliana Chollett⁴, **Robert S. Steneck**⁵, Christopher Doropoulos⁶, Yimnang Golbuu⁷, Peter J Mumby¹ Seascapes as drivers of coral reef ecosystem function. In press: *Ecological Monographs*. **Impact factor 8.7**
- 2018 **Steneck, R. S.**, Peter J. Mumby, Chancey MacDonald, Douglas B. Rasher, George Stoyle Attenuating effects of ecosystem management on coral reefs *Science Advances*.. **4**, eaao5493 (2018) DOI: 10.1126/sciadv.aao5493. **Impact factor 11.51.**
- 2018 **Steneck, R. S.**, The Gulf of Maine: A laboratory for overexploitation. Chapter in Hunter, M. D., Conservation Biology. In press.
- 2018 Eckrich, Caren, Steneck, Rober, Rempel, Hannah, Corubolo, Alessandro. Local conservation measures paving a prudent path for Bonaire's corals in a changing climate. 71st Gulf and Caribbean Fisheries Institute Conference.
- 2019 Cammen, K., Rasher, D. and Steneck, R. Predator recovery, shifting baselines, and the adaptive management challenges they create. *Ecosphere*. 10.1002/ecs2.2579
2018. Lefcheck, J. S., Innes-Gold, A. A., Brandl, S. J. Steneck, R.S. Torres, R. E. Rasher, D. B. Biodiversity enhances coral reef functioning across multiple scales. Submitted to Science Advances. **Impact factor 11.51.**

Submitted or In Revision:

- 2019 Price, N. N., Legendre, S., Steneck, R., Albright, L., Carpenter, R., Chuie, R. C., Fan, A., Gates, R., Harii, S., Kitano, H., Kurihara, H., Mitarai, H., Nozawa, S., Padilla-Gamino, Y., Sakai, K. Suzuki, G., van Oppen, M., Satoh, N. Yarid, A., Edumnds, P. Global biogeography of coral recruitment: tropical decline and subtropical increase. Submitted to Marine Ecology Progress Series.
- 2019 Rasher, D. B., Steneck, R. S., Estes, J. A., Halfar, J., Kroeker, K., Ries, J. B., Chan, T. W., Fietzke, J., Kamenos, N. A. Konar, B. H., Christopher, J. D., Norley, Weitzman, B., P., Westfield, I. T. Climate Change Amplifies Trophic Cascades in a Kelp Forest Ecosystem. Submitted to Sciences Advances.
- 2019 Goode, A., Brady, D. C., Steneck, R. S. and Wahle, R. W. "The brighter side of climate change: How local oceanography amplified a lobster boom in the Gulf of Maine". submission to *Global Change Biology*
- 2019 Gattuso, et al. A plan to maintain viable coral reefs. Submitted to Science Policy Forum.

- 2019 Mumby, Peter J., Robert S. Steneck, Karlo Hock, Claire B. Paris. A mechanistic theory of grazing by Caribbean parrotfishes encompassing behaviour, dispersal, and diversity at multiple scales.
- 2019 Rodolfo Chang Bennett, Cynthia J. Lagueux, James A. Wilson, James M. Acheson, Yong Chen, and Robert S. Steneck Socio-ecological system approach to assess management of the spiny lobster fishery in Caribbean Nicaragua'' Submitted to: Coastal Management.
- 2019 Chang Bennett, R., Lagueux, C.J., Wilson, J. A., Acheson, J. M., Chen, Y., Steneck, R. S. Socio-ecological system approach to assess management of the spiny lobster fishery in Caribbean Nicaragua. Submitted to Biological Bulletin.
- 2019 Steneck, R.S., Mumby, P. J. Arnold, S., Rasher, D. Wilson, M., DeLeon R., Boenish, R. Managing resilience against climate-induced coral bleaching: A 14-year case study from Bonaire. Submitted to Frontiers in Marine Science.
- 2019 Stoll, J., Fogarty, M., Leslie, H., Steneck, R., S. Wilson, J. Modularity in marine systems to be submitted to Science Policy Forum
- 2019 Fortunato, E., Pineda, P., Bonilla, Y., Toribio, N., Garcia, J. Guzman, R, Tavares, P., Esquea, C., Torres, R., Steneck, R. . Rapid coral ecosystem monitoring in the Dominican Republic using the Guidelines of the Global Network Monitoring (GCRMN) for coral reefs of the Caribbean. Submitted
- 2019 Laetitia Hédouin, Héloïse Rouzé, Cécile Berthe, Elodie Martinez, Pierre Galand, Franck Lerouvreur, Maggy Nugues, Xavier Pochon, Robert Steneck, Serge Planes-Facing the third global coral bleaching event: some Polynesian reefs win and some lose Submitted to Marine Environmental Research
- 2019 Chan, P., Halfar, J., Adey, W. H., Lebednik, P. A., Steneck, R. S., Norley, C. J. D., and Holdsworth D. W. Recent decline in skeletal density and calcification rates of subarctic crustose coralline algae. Submitted to PNAS.
- 2019 Steneck, R. S., Mumby, P. J., Arnold, S., Rasher, D. B, Wilson, M., de Leon, R., Boenish, R. Managing recovery resilience against climate-induced coral bleaching and hurricanes: A 15-year case study from Bonaire, Dutch Caribbean. Submitted to Frontiers in Marine Sciences.
- 2019, Mary K. Donovan, Katie L. Cramer, Vivian Y. Y. Lam, Terry Hughes, Robert Steneck, Mark J. A. Vermeij, Rolf P. M. Bak, Iliana Chollett, Jeremy B. C. Jackson'et. al., Good governance and regulations increase coral reef resilience. Submitted to Science.