Robert S Steneck

List of Publications by Year
in descending order

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77 papers	24,204 citations	34105 52 h-index	74163 75 g-index
77 all docs	77 docs citations	77 times ranked	18211 citing authors

#	Article	IF	Citations
1	Revisiting the evidentiary basis for ecological cascades with conservation impacts. Conservation Letters, 2022, 15, .	5.7	4
2	Marine reserves, fisheries ban, and 20 years of positive change in a coral reef ecosystem. Conservation Biology, 2021, 35, 1473-1483.	4.7	22
3	Recent density decline in wild-collected subarctic crustose coralline algae reveals climate change signature. Geology, 2020, 48, 226-230.	4.4	13
4	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. Science, 2020, 369, 1351-1354.	12.6	43
5	Regular sea urchins as drivers of shallow benthic marine community structure. Developments in Aquaculture and Fisheries Science, 2020, 43, 255-279.	1.3	11
6	Response: Commentary: Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study From Bonaire, Dutch Caribbean. Frontiers in Marine Science, 2020, 7, .	2.5	0
7	The brighter side of climate change: How local oceanography amplified a lobster boom in the Gulf of Maine. Global Change Biology, 2019, 25, 3906-3917.	9.5	44
8	Fishing through the Anthropocene. Current Biology, 2019, 29, R987-R992.	3.9	25
9	Response: Commentary: Tropical fish diversity enhances coral reef functioning across multiple scales. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	2
10	Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study From Bonaire, Dutch Caribbean. Frontiers in Marine Science, 2019, 6, .	2.5	57
11	Seascapes as drivers of herbivore assemblages in coral reef ecosystems. Ecological Monographs, 2019, 89, e01336.	5.4	33
12	Tropical fish diversity enhances coral reef functioning across multiple scales. Science Advances, 2019, 5, eaav6420.	10.3	69
13	The strong connection between forage fish and their predators: A response to Hilborn et al. (2017). Fisheries Research, 2018, 198, 220-223.	1.7	21
14	Paradigm Lost: Dynamic Nutrients and Missing Detritus on Coral Reefs. BioScience, 2018, 68, 487-495.	4.9	19
15	Attenuating effects of ecosystem management on coral reefs. Science Advances, 2018, 4, eaao5493.	10.3	68
16	Loss of coral reef growth capacity to track future increases in sea level. Nature, 2018, 558, 396-400.	27.8	250
17	Herbivory in the marine realm. Current Biology, 2017, 27, R484-R489.	3.9	72
18	North Pacific twentieth century decadal-scale variability is unique for the past 342Âyears. Geophysical Research Letters, 2017, 44, 3761-3769.	4.0	16

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19	The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory. Functional Ecology, 2017, 31, 1312-1324.	3.6	54
20	High resilience masks underlying sensitivity to algal phase shifts of Pacific coral reefs. Oikos, 2016, 125, 644-655.	2.7	74
21	Global patterns of kelp forest change over the past half-century. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13785-13790.	7.1	511
22	Exposure-driven macroalgal phase shift following catastrophic disturbance on coral reefs. Coral Reefs, 2015, 34, 715-725.	2.2	42
23	Century-scale trends and seasonality in pH and temperature for shallow zones of the Bering Sea. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2960-2965.	7.1	52
24	Regionalâ€scale dominance of nonâ€framework building corals on Caribbean reefs affects carbonate production and future reef growth. Global Change Biology, 2015, 21, 1153-1164.	9.5	101
25	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: Biological Sciences, 2014, 281, 20142018.	2.6	76
26	The global contribution of forage fish to marine fisheries and ecosystems. Fish and Fisheries, 2014, 15, 43-64.	5.3	311
27	Integrating the invisible fabric of nature into fisheries management. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 581-584.	7.1	111
28	Sea Urchins as Drivers of Shallow Benthic Marine Community Structure. Developments in Aquaculture and Fisheries Science, 2013, 38, 195-212.	1.3	45
29	American lobster dynamics in a brave new ocean. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1612-1624.	1.4	75
30	Caribbean-wide decline in carbonate production threatens coral reef growth. Nature Communications, 2013, 4, 1402.	12.8	291
31	Evidence for and against the existence of alternate attractors on coral reefs. Oikos, 2013, 122, 481-491.	2.7	98
32	Exploring the Consequences of Species Interactions Through the Assembly and Disassembly of Food Webs: A Pacific-Atlantic Comparison. Bulletin of Marine Science, 2013, 89, 11-29.	0.8	16
33	Ecosystem Flips, Locks, and Feedbacks: the Lasting Effects of Fisheries on Maine's Kelp Forest Ecosystem. Bulletin of Marine Science, 2013, 89, 31-55.	0.8	115
34	Apex predators and trophic cascades in large marine ecosystems: Learning from serendipity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7953-7954.	7.1	31
35	Confronting Feedbacks of Degraded Marine Ecosystems. Ecosystems, 2012, 15, 695-710.	3.4	179
36	The Resilience of Coral Reefs and Its Implications for Reef Management. , 2011, , 509-519.		21

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37	Settling into an Increasingly Hostile World: The Rapidly Closing â€œRecruitment Windowâ€•for Corals. PLoS ONE, 2011, 6, e28681.	2.5	84
38	Creation of a Gilded Trap by the High Economic Value of the Maine Lobster Fishery. Conservation Biology, 2011, 25, 904-912.	4.7	193
39	Guiding ecological principles for marine spatial planning. Marine Policy, 2010, 34, 955-966.	3.2	435
40	Connectivity of lobster (Homarus americanus) populations in the coastal Gulf of Maine: part II. Coupled biophysical dynamics. Fisheries Oceanography, 2010, 19, 1-20.	1.7	62
41	Rising to the challenge of sustaining coral reef resilience. Trends in Ecology and Evolution, 2010, 25, 633-642.	8.7	872
42	Navigating transformations in governance of Chilean marine coastal resources. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16794-16799.	7.1	471
43	Marine Conservation: Moving Beyond Malthus. Current Biology, 2009, 19, R117-R119.	3.9	19
44	Thinking and managing outside the box: coalescing connectivity networks to build region-wide resilience in coral reef ecosystems. Coral Reefs, 2009, 28, 367-378.	2.2	110
45	Climate Change, Coral Reef Ecosystems, and Management Options for Marine Protected Areas. Environmental Management, 2009, 44, 1069-1088.	2.7	85
46	New perspectives on ecological mechanisms affecting coral recruitment on reefs. Smithsonian Contributions To the Marine Sciences, 2009, , 437-457.	1.0	278
47	Coral reef management and conservation in light of rapidly evolving ecological paradigms. Trends in Ecology and Evolution, 2008, 23, 555-563.	8.7	496
48	A Global Map of Human Impact on Marine Ecosystems. Science, 2008, 319, 948-952.	12.6	5,034
49	Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. Ambio, 2007, 36, 586-592.	5.5	77
50	The Kelp Highway Hypothesis: Marine Ecology, the Coastal Migration Theory, and the Peopling of the Americas. Journal of Island and Coastal Archaeology, 2007, 2, 161-174.	1.4	263
51	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. Current Biology, 2007, 17, 360-365.	3.9	1,239
52	Possible Demographic Consequences of Intraspecific Shelter Competition among American Lobsters. Journal of Crustacean Biology, 2006, 26, 628-638.	0.8	40
53	ECOLOGY: Staying Connected in a Turbulent World. Science, 2006, 311, 480-481.	12.6	26
54	Critical science gaps impede use of no-take fishery reserves. Trends in Ecology and Evolution, 2005, 20, 74-80.	8.7	673

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55	New paradigms for supporting the resilience of marine ecosystems. Trends in Ecology and Evolution, 2005, 20, 380-386.	8.7	781
56	Accelerating Trophic-level Dysfunction in Kelp Forest Ecosystems of the Western North Atlantic. Ecosystems, 2004, 7, 323.	3.4	180
57	Kelp forest ecosystems: biodiversity, stability, resilience and future. Environmental Conservation, 2002, 29, 436-459.	1.3	1,482
58	Historical Overfishing and the Recent Collapse of Coastal Ecosystems. Science, 2001, 293, 629-637.	12.6	5,242
59	THERMOGEOGRAPHY OVER TIME CREATES BIOGEOGRAPHIC REGIONS: A TEMPERATURE/SPACE/TIME-INTEGRATED MODEL AND AN ABUNDANCE-WEIGHTED TEST FOR BENTHIC MARINE ALGAE. Journal of Phycology, 2001, 37, 677-698.	2.3	132
60	DOES VARIABLE COLORATION IN JUVENILE MARINE CRABS REDUCE RISK OF VISUAL PREDATION?. Ecology, 2001, 82, 2961-2967.	3.2	77
61	Large-scale and long-term, spatial and temporal patterns in demography and landings of the American lobster, Homarus americanus, in Maine. Marine and Freshwater Research, 2001, 52, 1303.	1.3	77
62	Algal blooms on coral reefs: What are the causes?. Limnology and Oceanography, 1999, 44, 1583-1586.	3.1	153
63	Settlement-driven, multiscale demographic patterns of large benthic decapods in the Gulf of Maine. Journal of Experimental Marine Biology and Ecology, 1999, 241, 107-136.	1.5	60
64	COEXISTENCE OF SIMILAR SPECIES IN A SPACE-LIMITED INTERTIDAL ZONE. Ecological Monographs, 1999, 69, 331-352.	5.4	52
65	Human influences on coastal ecosystems: does overfishing create trophic cascades?. Trends in Ecology and Evolution, 1998, 13, 429-430.	8.7	107
66	Bust and Then Boom in the Maine Lobster Industry: Perspectives of Fishers and Biologists. North American Journal of Fisheries Management, 1997, 17, 826-847.	1.0	53
67	The Interface between Fisheries Research and Habitat Management. North American Journal of Fisheries Management, 1996, 16, 1-7.	1.0	78
68	Modern marine stromatolites in the Exuma Cays, Bahamas: Uncommonly common. Facies, 1995, 33, 1-17.	1.4	150
69	A Functional Group Approach to the Structure of Algal-Dominated Communities. Oikos, 1994, 69, 476.	2.7	886
70	Mechanisms of predation among large decapod crustaceans of the Gulf of Maine Coast: functional vs. phylogenetic patterns. Journal of Experimental Marine Biology and Ecology, 1993, 168, 111-124.	1.5	56
71	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, 1992, 157, 91-114.	1.5	210
72	Mechanisms of Competitive Dominance Between Crustose Coralline Algae: An Herbivore-Mediated Competitive Reversal. Ecology, 1991, 72, 938-950.	3.2	109

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73	Habitat Architecture and the Abundance and Body-Size-Dependent Habitat Selection of a Phytal Amphipod. Ecology, 1990, 71, 2269-2285.	3.2	299
74	ZONATION OF DEEP WATER BENTHIC ALGAE IN THE GULF OF MAINE. Journal of Phycology, 1988, 24, 338-346.	2.3	81
75	Ecological and taxonomic studies of shallow-water encrusting Corallinaceae (Rhodophyta) of the boreal northeastern Pacific. Phycologia, 1986, 25, 221-240.	1.4	67
76	Escalating herbivory and resulting adaptive trends in calcareous algal crusts. Paleobiology, 1983, 9, 44-61.	2.0	225
77	A Limpet-Coralline Alga Association: Adaptations and Defenses Between a Selective Herbivore and its Prey. Ecology, 1982, 63, 507-522.	3.2	218