

Robert S Steneck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/479147/publications.pdf>

Version: 2024-02-01

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	Historical Overfishing and the Recent Collapse of Coastal Ecosystems. <i>Science</i> , 2001, 293, 629-637.	12.6	5,242
2	A Global Map of Human Impact on Marine Ecosystems. <i>Science</i> , 2008, 319, 948-952.	12.6	5,034
3	Kelp forest ecosystems: biodiversity, stability, resilience and future. <i>Environmental Conservation</i> , 2002, 29, 436-459.	1.3	1,482
4	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. <i>Current Biology</i> , 2007, 17, 360-365.	3.9	1,239
5	A Functional Group Approach to the Structure of Algal-Dominated Communities. <i>Oikos</i> , 1994, 69, 476.	2.7	886
6	Rising to the challenge of sustaining coral reef resilience. <i>Trends in Ecology and Evolution</i> , 2010, 25, 633-642.	8.7	872
7	New paradigms for supporting the resilience of marine ecosystems. <i>Trends in Ecology and Evolution</i> , 2005, 20, 380-386.	8.7	781
8	Critical science gaps impede use of no-take fishery reserves. <i>Trends in Ecology and Evolution</i> , 2005, 20, 74-80.	8.7	673
9	Global patterns of kelp forest change over the past half-century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13785-13790.	7.1	511
10	Coral reef management and conservation in light of rapidly evolving ecological paradigms. <i>Trends in Ecology and Evolution</i> , 2008, 23, 555-563.	8.7	496
11	Navigating transformations in governance of Chilean marine coastal resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16794-16799.	7.1	471
12	Guiding ecological principles for marine spatial planning. <i>Marine Policy</i> , 2010, 34, 955-966.	3.2	435
13	The global contribution of forage fish to marine fisheries and ecosystems. <i>Fish and Fisheries</i> , 2014, 15, 43-64.	5.3	311
14	Habitat Architecture and the Abundance and Body-Size-Dependent Habitat Selection of a Phytal Amphipod. <i>Ecology</i> , 1990, 71, 2269-2285.	3.2	299
15	Caribbean-wide decline in carbonate production threatens coral reef growth. <i>Nature Communications</i> , 2013, 4, 1402.	12.8	291
16	New perspectives on ecological mechanisms affecting coral recruitment on reefs. <i>Smithsonian Contributions To the Marine Sciences</i> , 2009, , 437-457.	1.0	278
17	The Kelp Highway Hypothesis: Marine Ecology, the Coastal Migration Theory, and the Peopling of the Americas. <i>Journal of Island and Coastal Archaeology</i> , 2007, 2, 161-174.	1.4	263
18	Loss of coral reef growth capacity to track future increases in sea level. <i>Nature</i> , 2018, 558, 396-400.	27.8	250

#	ARTICLE	IF	CITATIONS
19	Escalating herbivory and resulting adaptive trends in calcareous algal crusts. <i>Paleobiology</i> , 1983, 9, 44-61.	2.0	225
20	A Limpet-Coralline Alga Association: Adaptations and Defenses Between a Selective Herbivore and its Prey. <i>Ecology</i> , 1982, 63, 507-522.	3.2	218
21	Habitat restrictions in early benthic life: experiments on habitat selection and in situ predation with the American lobster. <i>Journal of Experimental Marine Biology and Ecology</i> , 1992, 157, 91-114.	1.5	210
22	Creation of a Gilded Trap by the High Economic Value of the Maine Lobster Fishery. <i>Conservation Biology</i> , 2011, 25, 904-912.	4.7	193
23	Accelerating Trophic-level Dysfunction in Kelp Forest Ecosystems of the Western North Atlantic. <i>Ecosystems</i> , 2004, 7, 323.	3.4	180
24	Confronting Feedbacks of Degraded Marine Ecosystems. <i>Ecosystems</i> , 2012, 15, 695-710.	3.4	179
25	Algal blooms on coral reefs: What are the causes?. <i>Limnology and Oceanography</i> , 1999, 44, 1583-1586.	3.1	153
26	Modern marine stromatolites in the Exuma Cays, Bahamas: Uncommonly common. <i>Facies</i> , 1995, 33, 1-17.	1.4	150
27	THERMOGEOGRAPHY OVER TIME CREATES BIOGEOGRAPHIC REGIONS: A TEMPERATURE/SPACE/TIME-INTEGRATED MODEL AND AN ABUNDANCE-WEIGHTED TEST FOR BENTHIC MARINE ALGAE. <i>Journal of Phycology</i> , 2001, 37, 677-698.	2.3	132
28	Ecosystem Flips, Locks, and Feedbacks: the Lasting Effects of Fisheries on Maine's Kelp Forest Ecosystem. <i>Bulletin of Marine Science</i> , 2013, 89, 31-55.	0.8	115
29	Integrating the invisible fabric of nature into fisheries management. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 581-584.	7.1	111
30	Thinking and managing outside the box: coalescing connectivity networks to build region-wide resilience in coral reef ecosystems. <i>Coral Reefs</i> , 2009, 28, 367-378.	2.2	110
31	Mechanisms of Competitive Dominance Between Crustose Coralline Algae: An Herbivore-Mediated Competitive Reversal. <i>Ecology</i> , 1991, 72, 938-950.	3.2	109
32	Human influences on coastal ecosystems: does overfishing create trophic cascades?. <i>Trends in Ecology and Evolution</i> , 1998, 13, 429-430.	8.7	107
33	Regional-scale dominance of non-framework building corals on Caribbean reefs affects carbonate production and future reef growth. <i>Global Change Biology</i> , 2015, 21, 1153-1164.	9.5	101
34	Evidence for and against the existence of alternate attractors on coral reefs. <i>Oikos</i> , 2013, 122, 481-491.	2.7	98
35	Climate Change, Coral Reef Ecosystems, and Management Options for Marine Protected Areas. <i>Environmental Management</i> , 2009, 44, 1069-1088.	2.7	85
36	Settling into an Increasingly Hostile World: The Rapidly Closing Recruitment Window for Corals. <i>PLoS ONE</i> , 2011, 6, e28681.	2.5	84

#	ARTICLE	IF	CITATIONS
37	ZONATION OF DEEP WATER BENTHIC ALGAE IN THE GULF OF MAINE. <i>Journal of Phycology</i> , 1988, 24, 338-346.	2.3	81
38	The Interface between Fisheries Research and Habitat Management. <i>North American Journal of Fisheries Management</i> , 1996, 16, 1-7.	1.0	78
39	DOES VARIABLE COLORATION IN JUVENILE MARINE CRABS REDUCE RISK OF VISUAL PREDATION?. <i>Ecology</i> , 2001, 82, 2961-2967.	3.2	77
40	Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. <i>Ambio</i> , 2007, 36, 586-592.	5.5	77
41	Large-scale and long-term, spatial and temporal patterns in demography and landings of the American lobster, <i>Homarus americanus</i> , in Maine. <i>Marine and Freshwater Research</i> , 2001, 52, 1303.	1.3	77
42	Changing dynamics of Caribbean reef carbonate budgets: emergence of reef bioeroders as critical controls on present and future reef growth potential. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20142018.	2.6	76
43	American lobster dynamics in a brave new ocean. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 1612-1624.	1.4	75
44	High resilience masks underlying sensitivity to algal phase shifts of Pacific coral reefs. <i>Oikos</i> , 2016, 125, 644-655.	2.7	74
45	Herbivory in the marine realm. <i>Current Biology</i> , 2017, 27, R484-R489.	3.9	72
46	Tropical fish diversity enhances coral reef functioning across multiple scales. <i>Science Advances</i> , 2019, 5, eaav6420.	10.3	69
47	Attenuating effects of ecosystem management on coral reefs. <i>Science Advances</i> , 2018, 4, eaao5493.	10.3	68
48	Ecological and taxonomic studies of shallow-water encrusting Corallinaceae (Rhodophyta) of the boreal northeastern Pacific. <i>Phycologia</i> , 1986, 25, 221-240.	1.4	67
49	Connectivity of lobster (<i>Homarus americanus</i>) populations in the coastal Gulf of Maine: part II. Coupled biophysical dynamics. <i>Fisheries Oceanography</i> , 2010, 19, 1-20.	1.7	62
50	Settlement-driven, multiscale demographic patterns of large benthic decapods in the Gulf of Maine. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 241, 107-136.	1.5	60
51	Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study From Bonaire, Dutch Caribbean. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	57
52	Mechanisms of predation among large decapod crustaceans of the Gulf of Maine Coast: functional vs. phylogenetic patterns. <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 168, 111-124.	1.5	56
53	The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory. <i>Functional Ecology</i> , 2017, 31, 1312-1324.	3.6	54
54	Bust and Then Boom in the Maine Lobster Industry: Perspectives of Fishers and Biologists. <i>North American Journal of Fisheries Management</i> , 1997, 17, 826-847.	1.0	53

#	ARTICLE	IF	CITATIONS
55	COEXISTENCE OF SIMILAR SPECIES IN A SPACE-LIMITED INTERTIDAL ZONE. <i>Ecological Monographs</i> , 1999, 69, 331-352.	5.4	52
56	Century-scale trends and seasonality in pH and temperature for shallow zones of the Bering Sea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2960-2965.	7.1	52
57	Sea Urchins as Drivers of Shallow Benthic Marine Community Structure. <i>Developments in Aquaculture and Fisheries Science</i> , 2013, 38, 195-212.	1.3	45
58	The brighter side of climate change: How local oceanography amplified a lobster boom in the Gulf of Maine. <i>Global Change Biology</i> , 2019, 25, 3906-3917.	9.5	44
59	Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. <i>Science</i> , 2020, 369, 1351-1354.	12.6	43
60	Exposure-driven macroalgal phase shift following catastrophic disturbance on coral reefs. <i>Coral Reefs</i> , 2015, 34, 715-725.	2.2	42
61	Possible Demographic Consequences of Intraspecific Shelter Competition among American Lobsters. <i>Journal of Crustacean Biology</i> , 2006, 26, 628-638.	0.8	40
62	Seascapes as drivers of herbivore assemblages in coral reef ecosystems. <i>Ecological Monographs</i> , 2019, 89, e01336.	5.4	33
63	Apex predators and trophic cascades in large marine ecosystems: Learning from serendipity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7953-7954.	7.1	31
64	ECOLOGY: Staying Connected in a Turbulent World. <i>Science</i> , 2006, 311, 480-481.	12.6	26
65	Fishing through the Anthropocene. <i>Current Biology</i> , 2019, 29, R987-R992.	3.9	25
66	Marine reserves, fisheries ban, and 20 years of positive change in a coral reef ecosystem. <i>Conservation Biology</i> , 2021, 35, 1473-1483.	4.7	22
67	The Resilience of Coral Reefs and Its Implications for Reef Management. , 2011, , 509-519.		21
68	The strong connection between forage fish and their predators: A response to Hilborn et al. (2017). <i>Fisheries Research</i> , 2018, 198, 220-223.	1.7	21
69	Marine Conservation: Moving Beyond Malthus. <i>Current Biology</i> , 2009, 19, R117-R119.	3.9	19
70	Paradigm Lost: Dynamic Nutrients and Missing Detritus on Coral Reefs. <i>BioScience</i> , 2018, 68, 487-495.	4.9	19
71	Exploring the Consequences of Species Interactions Through the Assembly and Disassembly of Food Webs: A Pacific-Atlantic Comparison. <i>Bulletin of Marine Science</i> , 2013, 89, 11-29.	0.8	16
72	North Pacific twentieth century decadal-scale variability is unique for the past 342 years. <i>Geophysical Research Letters</i> , 2017, 44, 3761-3769.	4.0	16

#	ARTICLE	IF	CITATIONS
73	Recent density decline in wild-collected subarctic crustose coralline algae reveals climate change signature. <i>Geology</i> , 2020, 48, 226-230.	4.4	13
74	Regular sea urchins as drivers of shallow benthic marine community structure. <i>Developments in Aquaculture and Fisheries Science</i> , 2020, 43, 255-279.	1.3	11
75	Revisiting the evidentiary basis for ecological cascades with conservation impacts. <i>Conservation Letters</i> , 2022, 15, .	5.7	4
76	Response: Commentary: Tropical fish diversity enhances coral reef functioning across multiple scales. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	2
77	Response: Commentary: Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study From Bonaire, Dutch Caribbean. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	0