

Jennifer E Smith

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

2,257
citations

23
h-index

47
g-index

54
ext. papers

2,996
ext. citations

5.5
avg, IF

4.62
L-index

#	Paper	IF	Citations
47	Baselines and degradation of coral reefs in the Northern Line Islands. <i>PLoS ONE</i> , 2008 , 3, e1548	3.7	585
46	The effects of top-down versus bottom-up control on benthic coral reef community structure. <i>Oecologia</i> , 2010 , 163, 497-507	2.9	153
45	Towards Automated Annotation of Benthic Survey Images: Variability of Human Experts and Operational Modes of Automation. <i>PLoS ONE</i> , 2015 , 10, e0130312	3.7	140
44	Local genomic adaptation of coral reef-associated microbiomes to gradients of natural variability and anthropogenic stressors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10227-32	11.5	139
43	Re-evaluating the health of coral reef communities: baselines and evidence for human impacts across the central Pacific. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	134
42	Global microbialization of coral reefs. <i>Nature Microbiology</i> , 2016 , 1, 16042	26.6	121
41	Social-environmental drivers inform strategic management of coral reefs in the Anthropocene. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1341-1350	12.3	85
40	Benthic communities at two remote Pacific coral reefs: effects of reef habitat, depth, and wave energy gradients on spatial patterns. <i>PeerJ</i> , 2013 , 1, e81	3.1	76
39	Contrasting effects of ocean acidification on tropical fleshy and calcareous algae. <i>PeerJ</i> , 2014 , 2, e411	3.1	66
38	Gradients in Primary Production Predict Trophic Strategies of Mixotrophic Corals across Spatial Scales. <i>Current Biology</i> , 2018 , 28, 3355-3363.e4	6.3	51
37	Assessment of net community production and calcification of a coral reef using a boundary layer approach. <i>Journal of Geophysical Research: Oceans</i> , 2016 , 121, 5655-5671	3.3	45
36	Acute effects of removing large fish from a near-pristine coral reef. <i>Marine Biology</i> , 2010 , 157, 2739-2750.5	2.5	42
35	Biophysical drivers of coral trophic depth zonation. <i>Marine Biology</i> , 2018 , 165, 1	2.5	40
34	Metabolomics of reef benthic interactions reveals a bioactive lipid involved in coral defence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	38
33	Large-area imaging reveals biologically driven non-random spatial patterns of corals at a remote reef. <i>Coral Reefs</i> , 2017 , 36, 1291-1305	4.2	37
32	A Red Algal Bourbonane Sesquiterpene Synthase Defined by Microgram-Scale NMR-Coupled Crystalline Sponge X-ray Diffraction Analysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16838-16844 ¹⁶⁴	16.4	36
31	Coupled changes in oxygen concentration and pH caused by metabolism of benthic coral reef organisms. <i>Marine Biology</i> , 2013 , 160, 2437-2447	2.5	35

30	Visualization of oxygen distribution patterns caused by coral and algae. <i>PeerJ</i> , 2013 , 1, e106	3.1	35
29	Preparing to manage coral reefs for ocean acidification: lessons from coral bleaching. <i>Frontiers in Ecology and the Environment</i> , 2013 , 11, 20-27	5.5	33
28	Diel temperature and pH variability scale with depth across diverse coral reef habitats. <i>Limnology and Oceanography Letters</i> , 2020 , 5, 193-203	7.9	29
27	Investigating functional redundancy versus complementarity in Hawaiian herbivorous coral reef fishes. <i>Oecologia</i> , 2016 , 182, 1151-1163	2.9	28
26	Underwater microscopy for in situ studies of benthic ecosystems. <i>Nature Communications</i> , 2016 , 7, 12093	7.4	28
25	Can we measure beauty? Computational evaluation of coral reef aesthetics. <i>PeerJ</i> , 2015 , 3, e1390	3.1	23
24	Effects of reduced dissolved oxygen concentrations on physiology and fluorescence of hermatypic corals and benthic algae. <i>PeerJ</i> , 2014 , 2, e235	3.1	23
23	Trophic plasticity in a common reef-building coral: Insights from $\delta^{13}C$ analysis of essential amino acids. <i>Functional Ecology</i> , 2019 , 33, 2203-2214	5.6	21
22	The lagoon at Caroline/Millennium atoll, Republic of Kiribati: natural history of a nearly pristine ecosystem. <i>PLoS ONE</i> , 2010 , 5, e10950	3.7	21
21	A budget of algal production and consumption by herbivorous fish in an herbivore fisheries management area, Maui, Hawaii. <i>Ecosphere</i> , 2017 , 8, e01899	3.1	20
20	Complex and interactive effects of ocean acidification and temperature on epilithic and endolithic coral-reef turf algal assemblages. <i>Coral Reefs</i> , 2017 , 36, 1059-1070	4.2	17
19	Limited coral mortality following acute thermal stress and widespread bleaching on Palmyra Atoll, central Pacific. <i>Coral Reefs</i> , 2019 , 38, 701-712	4.2	16
18	Environmental impacts and implications of tropical carrageenophyte seaweed farming. <i>Conservation Biology</i> , 2020 , 34, 326-337	6	15
17	Classification of remote Pacific coral reefs by physical oceanographic environment. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		15
16	Sequencing at sea: challenges and experiences in Ion Torrent PGM sequencing during the 2013 Southern Line Islands Research Expedition. <i>PeerJ</i> , 2014 , 2, e520	3.1	15
15	Before platelets: the production of platelet-activating factor during growth and stress in a basal marine organism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	14
14	Diel population and functional synchrony of microbial communities on coral reefs. <i>Nature Communications</i> , 2019 , 10, 1691	17.4	13
13	Genetic and Biochemical Reconstitution of Bromoform Biosynthesis in Lends Insights into Seaweed Reactive Oxygen Species Enzymology. <i>ACS Chemical Biology</i> , 2020 , 15, 1662-1670	4.9	11

12	An unusual cyanobacterial bloom in HawaiĪ. <i>Coral Reefs</i> , 2008 , 27, 851-851	4.2	10
11	Palstimolide A: A Complex Polyhydroxy Macrolide with Antiparasitic Activity. <i>Molecules</i> , 2020 , 25,	4.8	9
10	Changes in benthic community composition associated with the outbreak of the corallimorph, <i>Rhodactis howesii</i> , at Palmyra Atoll. <i>Coral Reefs</i> , 2019 , 38, 1267-1279	4.2	6
9	Baseline Assessment of Net Calcium Carbonate Accretion Rates on U.S. Pacific Reefs. <i>PLoS ONE</i> , 2015 , 10, e0142196	3.7	6
8	Increasing Coral Reef Resilience Through Successive Marine Heatwaves. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094128	4.9	6
7	Ecophysiology of coral reef primary producers across an upwelling gradient in the tropical central Pacific. <i>PLoS ONE</i> , 2020 , 15, e0228448	3.7	5
6	Ecological assessment of the marine ecosystems of Barbuda, West Indies: Using rapid scientific assessment to inform ocean zoning and fisheries management. <i>PLoS ONE</i> , 2018 , 13, e0189355	3.7	4
5	Comparative metabolic ecology of tropical herbivorous echinoids on a coral reef. <i>PLoS ONE</i> , 2018 , 13, e0190470	3.7	4
4	Future sea-level rise drives rocky intertidal habitat loss and benthic community change. <i>PeerJ</i> , 2020 , 8, e9186	3.1	3
3	Differential resistance and acclimation of two coral species to chronic nutrient enrichment reflect life-history traits. <i>Functional Ecology</i> , 2021 , 35, 1081-1093	5.6	2
2	Synthetic algal-bacteria consortia for space-efficient microalgal growth in a simple hydrogel system. <i>Journal of Applied Phycology</i> , 2021 , 33, 2805-2815	3.2	2
1	<i>Dictyota cyanoloma</i> (Dictyotales, Phaeophyceae), a Newly Introduced Brown Algal Species in California. <i>Journal of Phycology</i> , 2021 , 57, 370-378	3	