

Jennifer E Smith

List of Publications by Year in Descending Order

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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 | 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 |
| 46 | <i>Dictyota cyanoloma</i> (Dictyotales, Phaeophyceae), a Newly Introduced Brown Algal Species in California. <i>Journal of Phycology</i> , 2021 , 57, 370-378 | 3 | |
| 45 | 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 |
| 44 | Increasing Coral Reef Resilience Through Successive Marine Heatwaves. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094128 | 4.9 | 6 |
| 43 | 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 |
| 42 | 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 |
| 41 | Environmental impacts and implications of tropical carrageenophyte seaweed farming. <i>Conservation Biology</i> , 2020 , 34, 326-337 | 6 | 15 |
| 40 | 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 |
| 39 | Future sea-level rise drives rocky intertidal habitat loss and benthic community change. <i>PeerJ</i> , 2020 , 8, e9186 | 3.1 | 3 |
| 38 | Palstimolide A: A Complex Polyhydroxy Macrolide with Antiparasitic Activity. <i>Molecules</i> , 2020 , 25, | 4.8 | 9 |
| 37 | Diel population and functional synchrony of microbial communities on coral reefs. <i>Nature Communications</i> , 2019 , 10, 1691 | 17.4 | 13 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | Trophic plasticity in a common reef-building coral: Insights from $\delta^{13}\text{C}$ analysis of essential amino acids. <i>Functional Ecology</i> , 2019 , 33, 2203-2214 | 5.6 | 21 |
| 32 | Biophysical drivers of coral trophic depth zonation. <i>Marine Biology</i> , 2018 , 165, 1 | 2.5 | 40 |
| 31 | 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 |

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| 30 | 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 |
| 29 | Comparative metabolic ecology of tropical herbivorous echinoids on a coral reef. <i>PLoS ONE</i> , 2018 , 13, e0190470 | 3.7 | 4 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 | 16.4 | 36 |
| 25 | 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 |
| 24 | 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 |
| 23 | Investigating functional redundancy versus complementarity in Hawaiian herbivorous coral reef fishes. <i>Oecologia</i> , 2016 , 182, 1151-1163 | 2.9 | 28 |
| 22 | 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 |
| 21 | Global microbialization of coral reefs. <i>Nature Microbiology</i> , 2016 , 1, 16042 | 26.6 | 121 |
| 20 | 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 |
| 19 | Underwater microscopy for in situ studies of benthic ecosystems. <i>Nature Communications</i> , 2016 , 7, 12093 | 7.4 | 28 |
| 18 | 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 |
| 17 | Can we measure beauty? Computational evaluation of coral reef aesthetics. <i>PeerJ</i> , 2015 , 3, e1390 | 3.1 | 23 |
| 16 | Baseline Assessment of Net Calcium Carbonate Accretion Rates on U.S. Pacific Reefs. <i>PLoS ONE</i> , 2015 , 10, e0142196 | 3.7 | 6 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |

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| 12 | Contrasting effects of ocean acidification on tropical fleshy and calcareous algae. <i>PeerJ</i> , 2014 , 2, e411 | 3.1 | 66 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | Visualization of oxygen distribution patterns caused by coral and algae. <i>PeerJ</i> , 2013 , 1, e106 | 3.1 | 35 |
| 7 | 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 |
| 6 | Classification of remote Pacific coral reefs by physical oceanographic environment. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 15 |
| 5 | 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 |
| 4 | Acute effects of removing large fish from a near-pristine coral reef. <i>Marine Biology</i> , 2010 , 157, 2739-2750. | 2.5 | 42 |
| 3 | 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 |
| 2 | Baselines and degradation of coral reefs in the Northern Line Islands. <i>PLoS ONE</i> , 2008 , 3, e1548 | 3.7 | 585 |
| 1 | An unusual cyanobacterial bloom in Hawai'i. <i>Coral Reefs</i> , 2008 , 27, 851-851 | 4.2 | 10 |