

Stuart A Sandin

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.

68

papers

6,531

citations

33

h-index

77

g-index

77

ext. papers

7,848

ext. citations

7.4

avg, IF

5.3

L-index

#	Paper	IF	Citations
68	Trophic downgrading of planet Earth. <i>Science</i> , 2011 , 333, 301-6	33.3	2365
67	Baselines and degradation of coral reefs in the Northern Line Islands. <i>PLoS ONE</i> , 2008 , 3, e1548	3.7	585
66	Why fishing magnifies fluctuations in fish abundance. <i>Nature</i> , 2008 , 452, 835-9	50.4	464
65	Indirect effects of algae on coral: algae-mediated, microbe-induced coral mortality. <i>Ecology Letters</i> , 2006 , 9, 835-45	10	349
64	Bright spots among the world's coral reefs. <i>Nature</i> , 2016 , 535, 416-9	50.4	275
63	POPULATION REGULATION: HISTORICAL CONTEXT AND CONTEMPORARY CHALLENGES OF OPEN VS. CLOSED SYSTEMS. <i>Ecology</i> , 2002 , 83, 1490-1508	4.6	257
62	Density-dependent settlement and mortality structure the earliest life phases of a coral population. <i>Ecology</i> , 2008 , 89, 1994-2004	4.6	154
61	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
60	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
59	Global microbialization of coral reefs. <i>Nature Microbiology</i> , 2016 , 1, 16042	26.6	121
58	Gravity of human impacts mediates coral reef conservation gains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6116-E6125	11.5	108
57	Differences in Reef Fish Assemblages between Populated and Remote Reefs Spanning Multiple Archipelagos Across the Central and Western Pacific. <i>Journal of Marine Biology</i> , 2011 , 2011, 1-14	1	88
56	Abundance, diversity, and activity of microbial assemblages associated with coral reef fish guts and feces. <i>FEMS Microbiology Ecology</i> , 2010 , 73, 31-42	4.3	80
55	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
54	Quantifying climatological ranges and anomalies for Pacific coral reef ecosystems. <i>PLoS ONE</i> , 2013 , 8, e61974	3.7	73
53	Global marine pollutants inhibit P-glycoprotein: Environmental levels, inhibitory effects, and cocrystal structure. <i>Science Advances</i> , 2016 , 2, e1600001	14.3	71
52	Spatial dynamics of benthic competition on coral reefs. <i>Oecologia</i> , 2012 , 168, 1079-90	2.9	68

51	Linking the green and brown worlds: the prevalence and effect of multichannel feeding in food webs. <i>Ecology</i> , 2014 , 95, 3376-3386	4.6	63
50	Synthesizing mechanisms of density dependence in reef fishes: behavior, habitat configuration, and observational scale. <i>Ecology</i> , 2010 , 91, 1949-61	4.6	61
49	Local human impacts decouple natural biophysical relationships on Pacific coral reefs. <i>Ecography</i> , 2015 , 38, 751-761	6.5	58
48	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
47	On the prevalence and dynamics of inverted trophic pyramids and otherwise top-heavy communities. <i>Ecology Letters</i> , 2018 , 21, 439-454	10	48
46	FISH AGGREGATION RESULTS IN INVERSELY DENSITY-DEPENDENT PREDATION ON CONTINUOUS CORAL REEFS. <i>Ecology</i> , 2005 , 86, 1520-1530	4.6	48
45	Meeting fisheries, ecosystem function, and biodiversity goals in a human-dominated world. <i>Science</i> , 2020 , 368, 307-311	33.3	45
44	Variability and host density independence in inductions-based estimates of environmental lysogeny. <i>Nature Microbiology</i> , 2017 , 2, 17064	26.6	40
43	Biophysical drivers of coral trophic depth zonation. <i>Marine Biology</i> , 2018 , 165, 1	2.5	40
42	Predator-induced demographic shifts in coral reef fish assemblages. <i>PLoS ONE</i> , 2011 , 6, e21062	3.7	39
41	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
40	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
39	Island biogeography of Caribbean coral reef fish. <i>Global Ecology and Biogeography</i> , 2008 , 17, 770-777	6.1	37
38	Reef Fish Survey Techniques: Assessing the Potential for Standardizing Methodologies. <i>PLoS ONE</i> , 2016 , 11, e0153066	3.7	37
37	Mercury levels of yellowfin tuna (<i>Thunnus albacares</i>) are associated with capture location. <i>Environmental Pollution</i> , 2017 , 229, 87-93	9.3	37
36	Fishing drives declines in fish parasite diversity and has variable effects on parasite abundance. <i>Ecology</i> , 2014 , 95, 1929-46	4.6	33
35	Eversion and Retraction of a Soft Robot Towards the Exploration of Coral Reefs 2019 ,		26
34	Can we measure beauty? Computational evaluation of coral reef aesthetics. <i>PeerJ</i> , 2015 , 3, e1390	3.1	23

33	Size-structural shifts reveal intensity of exploitation in coral reef fisheries. <i>Ecological Indicators</i> , 2017 , 73, 411-421	5.8	22
32	Demographic theory of coral reef fish populations with stochastic recruitment: comparing sources of population regulation. <i>American Naturalist</i> , 2005 , 165, 107-19	3.7	22
31	The origins of ambient biological sound from coral reef ecosystems in the Line Islands archipelago. <i>Journal of the Acoustical Society of America</i> , 2014 , 135, 1775-88	2.2	21
30	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
29	Geographic Differences in Persistent Organic Pollutant Levels of Yellowfin Tuna. <i>Environmental Health Perspectives</i> , 2017 , 125, 067014	8.4	20
28	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
27	Evaluation of the global impacts of mitigation on persistent, bioaccumulative and toxic pollutants in marine fish. <i>PeerJ</i> , 2016 , 4, e1573	3.1	20
26	Using successional theory to measure marine ecosystem health. <i>Evolutionary Ecology</i> , 2012 , 26, 435-448	1.8	18
25	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
24	Establishment, management, and maintenance of the phoenix islands protected area. <i>Advances in Marine Biology</i> , 2014 , 69, 289-324	2.1	16
23	The influence of habitat and adults on the spatial distribution of juvenile corals. <i>Ecography</i> , 2019 , 42, 1703-1713	6.5	15
22	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
21	Diel population and functional synchrony of microbial communities on coral reefs. <i>Nature Communications</i> , 2019 , 10, 1691	17.4	13
20	Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. <i>Ecology</i> , 2015 , 96, 1383-98	4.6	13
19	Local habitat distribution determines the relative frequency and interbreeding potential for two Caribbean coral morphospecies. <i>Evolutionary Ecology</i> , 2007 , 21, 27-47	1.8	13
18	Human impacts decouple a fundamental ecological relationship-The positive association between host diversity and parasite diversity. <i>Global Change Biology</i> , 2018 , 24, 3666-3679	11.4	11
17	Herbivore space use influences coral reef recovery. <i>Royal Society Open Science</i> , 2016 , 3, 160262	3.3	10
16	Community-wide scan identifies fish species associated with coral reef services across the Indo-Pacific. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	9

15	Inverted trophic pyramids 247-251		9
14	Foraging consistency of coral reef fishes across environmental gradients in the central Pacific. <i>Oecologia</i> , 2019 , 191, 433-445	2.9	8
13	Porites coral response to an oceanographic and human impact gradient in the Line Islands. <i>Limnology and Oceanography</i> , 2017 , 62, 2850-2863	4.8	7
12	Influence of aggregation on benthic coral reef spatio-temporal dynamics. <i>Royal Society Open Science</i> , 2019 , 6, 181703	3.3	7
11	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
10	Scaling the Annotation of Subtidal Marine Habitats 2015 ,		6
9	Increasing Coral Reef Resilience Through Successive Marine Heatwaves. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094128	4.9	6
8	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
7	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
6	Quantifying life history demographics of the scleractinian coral genus <i>Pocillopora</i> at Palmyra Atoll. <i>Coral Reefs</i> , 2020 , 39, 1091-1105	4.2	3
5	Insights into coral reef benthic dynamics from nonlinear spatial forecasting. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20190047	4.1	2
4	Decoding diversity in a coral reef fish species complex with restricted range using metagenomic sequencing of gut contents. <i>Ecology and Evolution</i> , 2020 , 10, 3413-3423	2.8	1
3	Considering the rates of growth in two taxa of coral across Pacific islands. <i>Advances in Marine Biology</i> , 2020 , 87, 167-191	2.1	1
2	Modelling the linkage between coral assemblage structure and pattern of environmental forcing. <i>Royal Society Open Science</i> , 2020 , 7, 200565	3.3	1
1	Emerging insights on effects of sharks and other top predators on coral reefs.. <i>Emerging Topics in Life Sciences</i> , 2022 , 6, 57-65	3.5	