Stuart A Sandin

List of Publications by Year in Descending Order

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	Emerging insights on effects of sharks and other top predators on coral reefs.. *Emerging Topics in Life Sciences*, **2022**, 6, 57-65	3.5	
67	Increasing Coral Reef Resilience Through Successive Marine Heatwaves. *Geophysical Research Letters*, **2021**, 48, e2021GL094128	4.9	6
66	Quantifying life history demographics of the scleractinian coral genus Pocillopora at Palmyra Atoll. *Coral Reefs*, **2020**, 39, 1091-1105	4.2	3
65	Ecophysiology of coral reef primary producers across an upwelling gradient in the tropical central Pacific. *PLoS ONE*, **2020**, 15, e0228448	3.7	5
64	Decoding diversity in a coral reef fish species complex with restricted range using metagenomic sequencing of gut contents. *Ecology and Evolution*, **2020**, 10, 3413-3423	2.8	1
63	Considering the rates of growth in two taxa of coral across Pacific islands. *Advances in Marine Biology*, **2020**, 87, 167-191	2.1	1
62	Modelling the linkage between coral assemblage structure and pattern of environmental forcing. *Royal Society Open Science*, **2020**, 7, 200565	3.3	1
61	Meeting fisheries, ecosystem function, and biodiversity goals in a human-dominated world. *Science*, **2020**, 368, 307-311	33.3	45
60	Foraging consistency of coral reef fishes across environmental gradients in the central Pacific. *Oecologia*, **2019**, 191, 433-445	2.9	8
59	The influence of habitat and adults on the spatial distribution of juvenile corals. *Ecography*, **2019**, 42, 1703-1713	6.5	15
58	Insights into coral reef benthic dynamics from nonlinear spatial forecasting. *Journal of the Royal Society Interface*, **2019**, 16, 20190047	4.1	2
57	Influence of aggregation on benthic coral reef spatio-temporal dynamics. *Royal Society Open Science*, **2019**, 6, 181703	3.3	7
56	Diel population and functional synchrony of microbial communities on coral reefs. *Nature Communications*, **2019**, 10, 1691	17.4	13
55	Limited coral mortality following acute thermal stress and widespread bleaching on Palmyra Atoll, central Pacific. *Coral Reefs*, **2019**, 38, 701-712	4.2	16
54	Changes in benthic community composition associated with the outbreak of the corallimorph, Rhodactis howesii, at Palmyra Atoll. *Coral Reefs*, **2019**, 38, 1267-1279	4.2	6
53	Eversion and Retraction of a Soft Robot Towards the Exploration of Coral Reefs **2019**,		26
52	Biophysical drivers of coral trophic depth zonation. *Marine Biology*, **2018**, 165, 1	2.5	40

51	On the prevalence and dynamics of inverted trophic pyramids and otherwise top-heavy communities. *Ecology Letters*, **2018**, 21, 439-454	10	48
50	Community-wide scan identifies fish species associated with coral reef services across the Indo-Pacific. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	9
49	Ecological assessment of the marine ecosystems of Barbuda, West Indies: Using rapid scientific assessment to inform ocean zoning and fisheries management. *PLoS ONE*, **2018**, 13, e0189355	3.7	4
48	Gravity of human impacts mediates coral reef conservation gains. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E6116-E6125	11.5	108
47	Gradients in Primary Production Predict Trophic Strategies of Mixotrophic Corals across Spatial Scales. *Current Biology*, **2018**, 28, 3355-3363.e4	6.3	51
46	Human impacts decouple a fundamental ecological relationship-The positive association between host diversity and parasite diversity. *Global Change Biology*, **2018**, 24, 3666-3679	11.4	11
45	Variability and host density independence in inductions-based estimates of environmental lysogeny. *Nature Microbiology*, **2017**, 2, 17064	26.6	40
44	Large-area imaging reveals biologically driven non-random spatial patterns of corals at a remote reef. *Coral Reefs*, **2017**, 36, 1291-1305	4.2	37
43	Porites coral response to an oceanographic and human impact gradient in the Line Islands. *Limnology and Oceanography*, **2017**, 62, 2850-2863	4.8	7
42	Geographic Differences in Persistent Organic Pollutant Levels of Yellowfin Tuna. *Environmental Health Perspectives*, **2017**, 125, 067014	8.4	20
41	A budget of algal production and consumption by herbivorous fish in an herbivore fisheries management area, Maui, Hawaii. *Ecosphere*, **2017**, 8, e01899	3.1	20
40	Size-structural shifts reveal intensity of exploitation in coral reef fisheries. *Ecological Indicators*, **2017**, 73, 411-421	5.8	22
39	Mercury levels of yellowfin tuna (Thunnus albacares) are associated with capture location. *Environmental Pollution*, **2017**, 229, 87-93	9.3	37
38	Global marine pollutants inhibit P-glycoprotein: Environmental levels, inhibitory effects, and cocrystal structure. *Science Advances*, **2016**, 2, e1600001	14.3	71
37	Global microbialization of coral reefs. *Nature Microbiology*, **2016**, 1, 16042	26.6	121
36	Bright spots among the world coral reefs. *Nature*, **2016**, 535, 416-9	50.4	275
35	Re-evaluating the health of coral reef communities: baselines and evidence for human impacts across the central Pacific. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	134
34	Reef Fish Survey Techniques: Assessing the Potential for Standardizing Methodologies. *PLoS ONE*, **2016**, 11, e0153066	3.7	37

33	Evaluation of the global impacts of mitigation on persistent, bioaccumulative and toxic pollutants in marine fish. *PeerJ*, **2016**, 4, e1573	3.1	20
32	Herbivore space use influences coral reef recovery. *Royal Society Open Science*, **2016**, 3, 160262	3.3	10
31	Metabolomics of reef benthic interactions reveals a bioactive lipid involved in coral defence. *Proceedings of the Royal Society B: Biological Sciences*, **2016**, 283,	4.4	38
30	Local human impacts decouple natural biophysical relationships on Pacific coral reefs. *Ecography*, **2015**, 38, 751-761	6.5	58
29	Productivity and fishing pressure drive variability in fish parasite assemblages of the Line Islands, equatorial Pacific. *Ecology*, **2015**, 96, 1383-98	4.6	13
28	Scaling the Annotation of Subtidal Marine Habitats **2015**,		6
27	Can we measure beauty? Computational evaluation of coral reef aesthetics. *PeerJ*, **2015**, 3, e1390	3.1	23
26	Fishing drives declines in fish parasite diversity and has variable effects on parasite abundance. *Ecology*, **2014**, 95, 1929-46	4.6	33
25	Linking the green and brown worlds: the prevalence and effect of multichannel feeding in food webs. *Ecology*, **2014**, 95, 3376-3386	4.6	63
24	Establishment, management, and maintenance of the phoenix islands protected area. *Advances in Marine Biology*, **2014**, 69, 289-324	2.1	16
23	Local genomic adaptation of coral reef-associated microbiomes to gradients of natural variability and anthropogenic stressors. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 10227-32	11.5	139
22	The origins of ambient biological sound from coral reef ecosystems in the Line Islands archipelago. *Journal of the Acoustical Society of America*, **2014**, 135, 1775-88	2.2	21
21	Sequencing at sea: challenges and experiences in Ion Torrent PGM sequencing during the 2013 Southern Line Islands Research Expedition. *PeerJ*, **2014**, 2, e520	3.1	15
20	Quantifying climatological ranges and anomalies for Pacific coral reef ecosystems. *PLoS ONE*, **2013**, 8, e61974	3.7	73
19	Benthic communities at two remote Pacific coral reefs: effects of reef habitat, depth, and wave energy gradients on spatial patterns. *PeerJ*, **2013**, 1, e81	3.1	76
18	Using successional theory to measure marine ecosystem health. *Evolutionary Ecology*, **2012**, 26, 435-448	1.8	18
17	Spatial dynamics of benthic competition on coral reefs. *Oecologia*, **2012**, 168, 1079-90	2.9	68
16	Predator-induced demographic shifts in coral reef fish assemblages. *PLoS ONE*, **2011**, 6, e21062	3.7	39

15	Differences in Reef Fish Assemblages between Populated and Remote Reefs Spanning Multiple Archipelagos Across the Central and Western Pacific. *Journal of Marine Biology*, **2011**, 2011, 1-14	1	88
14	Trophic downgrading of planet Earth. *Science*, **2011**, 333, 301-6	33.3	2365
13	Abundance, diversity, and activity of microbial assemblages associated with coral reef fish guts and feces. *FEMS Microbiology Ecology*, **2010**, 73, 31-42	4.3	80
12	The lagoon at Caroline/Millennium atoll, Republic of Kiribati: natural history of a nearly pristine ecosystem. *PLoS ONE*, **2010**, 5, e10950	3.7	21
11	Synthesizing mechanisms of density dependence in reef fishes: behavior, habitat configuration, and observational scale. *Ecology*, **2010**, 91, 1949-61	4.6	61
10	Why fishing magnifies fluctuations in fish abundance. *Nature*, **2008**, 452, 835-9	50.4	464
9	Island biogeography of Caribbean coral reef fish. *Global Ecology and Biogeography*, **2008**, 17, 770-777	6.1	37
8	Density-dependent settlement and mortality structure the earliest life phases of a coral population. *Ecology*, **2008**, 89, 1994-2004	4.6	154
7	Baselines and degradation of coral reefs in the Northern Line Islands. *PLoS ONE*, **2008**, 3, e1548	3.7	585
6	Local habitat distribution determines the relative frequency and interbreeding potential for two Caribbean coral morphospecies. *Evolutionary Ecology*, **2007**, 21, 27-47	1.8	13
5	Indirect effects of algae on coral: algae-mediated, microbe-induced coral mortality. *Ecology Letters*, **2006**, 9, 835-45	10	349
4	Demographic theory of coral reef fish populations with stochastic recruitment: comparing sources of population regulation. *American Naturalist*, **2005**, 165, 107-19	3.7	22
3	FISH AGGREGATION RESULTS IN INVERSELY DENSITY-DEPENDENT PREDATION ON CONTINUOUS CORAL REEFS. *Ecology*, **2005**, 86, 1520-1530	4.6	48
2	POPULATION REGULATION: HISTORICAL CONTEXT AND CONTEMPORARY CHALLENGES OF OPEN VS. CLOSED SYSTEMS. *Ecology*, **2002**, 83, 1490-1508	4.6	257
1	Inverted trophic pyramids247-251		9