Rick D Stuart-Smith

List of Publications by Year
in descending order

101 papers	7,567 citations	81743 39 h-index	56606 83 g-index
107 all docs	107 docs citations	107 times ranked	9364 citing authors

#	Article	IF	Citations
1	Global conservation outcomes depend on marine protected areas with five key features. Nature, 2014, 506, 216-220.	13.7	1,367
2	Integrating abundance and functional traits reveals new global hotspots of fish diversity. Nature, 2013, 501, 539-542.	13.7	445
3	Bright spots among the worldâ€™s coral reefs. Nature, 2016, 535, 416-419.	13.7	394
4	Statistical solutions for error and bias in global citizen science datasets. Biological Conservation, 2014, 173, 144-154.	1.9	374
5	Species traits and climate velocity explain geographic range shifts in an oceanâ€warming hotspot. Ecology Letters, 2015, 18, 944-953.	3.0	334
6	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	2.7	289
7	Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. PLoS Biology, 2011, 9, e1000606.	2.6	249
8	Ecosystem restructuring along the Great Barrier Reef following mass coral bleaching. Nature, 2018, 560, 92-96.	13.7	204
9	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.	3.3	185
10	Biodiversity enhances reef fish biomass and resistance to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6230-6235.	3.3	178
11	Systematic global assessment of reef fish communities by the Reef Life Survey program. Scientific Data, 2014, 1, 140007.	2.4	169
12	A Standardised Vocabulary for Identifying Benthic Biota and Substrata from Underwater Imagery: The CATAMI Classification Scheme. PLoS ONE, 2015, 10, e0141039.	1.1	163
13	Thermal biases and vulnerability to warming in the worldâ€™s marine fauna. Nature, 2015, 528, 88-92.	13.7	159
14	Ocean community warming responses explained by thermal affinities and temperature gradients. Nature Climate Change, 2019, 9, 959-963.	8.1	134
15	Climate resilience in marine protected areas and the â€˜Protection Paradoxâ€™. Biological Conservation, 2019, 236, 305-314.	1.9	131
16	Ecological effects of marine protected areas on rocky reef communitiesâ€”a continental-scale analysis. Marine Ecology - Progress Series, 2009, 388, 51-62.	0.9	125
17	Resilience and signatures of tropicalization in protected reef fish communities. Nature Climate Change, 2014, 4, 62-67.	8.1	123
18	Toward a Coordinated Global Observing System for Seagrasses and Marine Macroalgae. Frontiers in Marine Science, 2019, 6, .	1.2	123

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19	Thermal limits to the geographic distributions of shallow-water marine species. Nature Ecology and Evolution, 2017, 1, 1846-1852.	3.4	120
20	Fish body sizes change with temperature but not all species shrink with warming. Nature Ecology and Evolution, 2020, 4, 809-814.	3.4	103
21	Meeting fisheries, ecosystem function, and biodiversity goals in a human-dominated world. Science, 2020, 368, 307-311.	6.0	99
22	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. Biological Conservation, 2021, 263, 109175.	1.9	96
23	Exploited reefs protected from fishing transform over decades into conservation features otherwise absent from seascapes. Ecological Applications, 2009, 19, 1967-1974.	1.8	86
24	New Approaches to Marine Conservation Through the Scaling Up of Ecological Data. Annual Review of Marine Science, 2016, 8, 435-461.	5.1	65
25	Assessing National Biodiversity Trends for Rocky and Coral Reefs through the Integration of Citizen Science and Scientific Monitoring Programs. BioScience, 2017, 67, 134-146.	2.2	64
26	Stability in temperate reef communities over a decadal time scale despite concurrent ocean warming. Global Change Biology, 2010, 16, 122-134.	4.2	61
27	Functional traits reveal early responses in marine reserves following protection from fishing. Diversity and Distributions, 2015, 21, 876-887.	1.9	61
28	Abundance and local-scale processes contribute to multi-phyla gradients in global marine diversity. Science Advances, 2017, 3, e1700419.	4.7	61
29	Quantifying wave exposure in shallow temperate reef systems: applicability of fetch models for predicting algal biodiversity. Marine Ecology - Progress Series, 2010, 417, 83-95.	0.9	59
30	A global assessment of the direct and indirect benefits of marine protected areas for coral reef conservation. Diversity and Distributions, 2019, 25, 9-20.	1.9	59
31	Speciesâ€™ thermal ranges predict changes in reef fish community structure during 8 years of extreme temperature variation. Diversity and Distributions, 2018, 24, 1036-1046.	1.9	55
32	The shape of abundance distributions across temperature gradients in reef fishes. Ecology Letters, 2019, 22, 685-696.	3.0	53
33	Distinguishing geographical range shifts from artefacts of detectability and sampling effort. Diversity and Distributions, 2015, 21, 13-22.	1.9	52
34	Establishing the ecological basis for conservation of shallow marine life using Reef Life Survey. Biological Conservation, 2020, 252, 108855.	1.9	52
35	Global baselines and benchmarks for fish biomass: comparing remote reefs and fisheries closures. Marine Ecology - Progress Series, 2019, 612, 167-192.	0.9	52
36	Trait similarity in reef fish faunas across the worldâ€™s oceans. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	50

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37	A new wave of marine evidence-based management: emerging challenges and solutions to transform monitoring, evaluating, and reporting. ICES Journal of Marine Science, 2018, 75, 941-952.	1.2	48
38	Reef Fishes at All Trophic Levels Respond Positively to Effective Marine Protected Areas. PLoS ONE, 2015, 10, e0140270.	1.1	46
39	Humans and seasonal climate variability threaten large-bodied coral reef fish with small ranges. Nature Communications, 2016, 7, 10491.	5.8	43
40	Fishingâ€gear restrictions and biomass gains for coral reef fishes in marine protected areas. Conservation Biology, 2018, 32, 401-410.	2.4	43
41	Habitat loss and range shifts contribute to ecological generalization among reef fishes. Nature Ecology and Evolution, 2021, 5, 656-662.	3.4	40
42	Increasing turbidity significantly alters the diet of brown trout: a multi-year longitudinal study. Journal of Fish Biology, 2004, 65, 376-388.	0.7	39
43	Rapid declines across Australian fishery stocks indicate global sustainability targets will not be achieved without an expanded network of â€˜noâ€fishingâ€™ reserves. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1337-1350.	0.9	39
44	Biological interactions both facilitate and resist climate-related functional change in temperate reef communities. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170484.	1.2	38
45	Delineating reef fish trophic guilds with global gut content data synthesis and phylogeny. PLoS Biology, 2020, 18, e3000702.	2.6	38
46	Body size, reef area and temperature predict global reefâ€fish species richness across spatial scales. Global Ecology and Biogeography, 2019, 28, 315-327.	2.7	37
47	A quantitative review of abundanceâ€based species distribution models. Ecography, 2022, 2022, .	2.1	37
48	A shift in the habitat use pattern of a lentic galaxiid fish: an acute behavioural response to an introduced predator. Environmental Biology of Fishes, 2008, 82, 93-100.	0.4	33
49	Spatial patterns in impacts of fishing on temperate rocky reefs: Are fish abundance and mean size related to proximity to fisher access points?. Journal of Experimental Marine Biology and Ecology, 2008, 365, 116-125.	0.7	29
50	Consistent multi-level trophic effects of marine reserve protection across northern New Zealand. PLoS ONE, 2017, 12, e0177216.	1.1	28
51	Loss of native rocky reef biodiversity in Australian metropolitan embayments. Marine Pollution Bulletin, 2015, 95, 324-332.	2.3	27
52	Broad-scale impacts of salmon farms on temperate macroalgal assemblages on rocky reefs. Marine Pollution Bulletin, 2015, 98, 201-209.	2.3	26
53	The importance of sponges and mangroves in supporting fish communities on degraded coral reefs in Caribbean Panama. PeerJ, 2018, 6, e4455.	0.9	26
54	Out of sight, out of mind: Threats to the marine biodiversity of the Canary Islands (NE Atlantic Ocean). Marine Pollution Bulletin, 2014, 86, 9-18.	2.3	25

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55	New opportunities for conservation of handfishes (Family Brachionichthyidae) and other inconspicuous and threatened marine species through citizen science. Biological Conservation, 2017, 208, 174-182.	1.9	23
56	Research challenges to improve the management and conservation of subtropical reefs to tackle climate change threats. Ecological Management and Restoration, 2011, 12, e7-e10.	0.7	22
57	Pollution signature for temperate reef biodiversity is short and simple. Marine Pollution Bulletin, 2018, 130, 159-169.	2.3	22
58	Translating local benthic community structure to national biogenic reef habitat types. Global Ecology and Biogeography, 2017, 26, 1112-1125.	2.7	21
59	Disentangling the response of fishes to recreational fishing over 30â€¯years within a fringing coral reef reserve network. Biological Conservation, 2019, 237, 514-524.	1.9	20
60	Fish heating tolerance scales similarly across individual physiology and populations. Communications Biology, 2021, 4, 264.	2.0	20
61	Taxonomic composition of mobile epifaunal invertebrate assemblages on diverse benthic microhabitats from temperate to tropical reefs. Marine Ecology - Progress Series, 2020, 640, 31-43.	0.9	20
62	The impact of an introduced predator on a threatened galaxiid fish is reduced by the availability of complex habitats. Freshwater Biology, 2007, 52, 1555-1563.	1.2	19
63	Globally consistent reef size spectra integrating fishes and invertebrates. Ecology Letters, 2021, 24, 572-579.	3.0	18
64	Biological trade-offs underpin coral reef ecosystem functioning. Nature Ecology and Evolution, 2022, 6, 701-708.	3.4	18
65	Reef fish carbonate production assessments highlight regional variation in sedimentary significance. Geology, 2018, 46, 699-702.	2.0	17
66	Production of mobile invertebrate communities on shallow reefs from temperate to tropical seas. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201798.	1.2	16
67	The effects of turbidity and complex habitats on the feeding of a galaxiid fish are clear and simple. Marine and Freshwater Research, 2007, 58, 429.	0.7	15
68	Is fecundity the ultimate cause of female-biased size dimorphism in a dragon lizard?. Journal of Zoology, 2007, 273, 266-272.	0.8	15
69	Effects of urbanisation on macroalgae and sessile invertebrates in southeast Australian estuaries. Estuarine, Coastal and Shelf Science, 2018, 205, 30-39.	0.9	15
70	Direct and indirect effects of heatwaves on a coral reef fishery. Global Change Biology, 2021, 27, 1214-1225.	4.2	14
71	High biomass and productivity of epifaunal invertebrates living amongst dead coral. Marine Biology, 2021, 168, 1.	0.7	14
72	Persistent thermally driven shift in the functional trait structure of herbivorous fishes: Evidence of topâ€down control on the rebound potential of temperate seaweed forests?. Global Change Biology, 2022, 28, 2296-2311.	4.2	14

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73	Cross-ocean patterns and processes in fish biodiversity on coral reefs through the lens of eDNA metabarcoding. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220162.	1.2	14
74	Small invertebrate consumers produce consistent size spectra across reef habitats and climatic zones. Oikos, 2021, 130, 156-170.	1.2	12
75	Species richness and identity both determine the biomass of global reef fish communities. Nature Communications, 2021, 12, 6875.	5.8	12
76	Conservation challenges for the most threatened family of marine bony fishes (handfishes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Tc	1.9	11
77	Maximizing regional biodiversity requires a mosaic of protection levels. PLoS Biology, 2021, 19, e3001195.	2.6	11
78	Establishing the Foundation for the Global Observing System for Marine Life. Frontiers in Marine Science, 2021, 8, .	1.2	11
79	Nocturnal and diurnal feeding by Galaxias auratus, a lentic galaxiid fish. Ecology of Freshwater Fish, 2006, 15, 521-531.	0.7	10
80	Predicting the diet of coastal fishes at a continental scale based on taxonomy and body size. Journal of Experimental Marine Biology and Ecology, 2016, 480, 1-7.	0.7	10
81	Weaknesses in stock assessment modelling and management practices affect fisheries sustainability. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 2010-2016.	0.9	10
82	National-scale marine bioregions for the Southwest Pacific. Marine Pollution Bulletin, 2020, 150, 110710.	2.3	10
83	Effects of Pollution From Anthropogenic Point Sources on the Recruitment of Sessile Estuarine Reef Biota. Frontiers in Marine Science, 2018, 5, .	1.2	9
84	Interactive responses of primary producers and grazers to pollution on temperate rocky reefs. Environmental Pollution, 2018, 237, 388-395.	3.7	8
85	Climate change: Large-scale abundance shifts in fishes. Current Biology, 2021, 31, R1445-R1447.	1.8	8
86	Anthropogenic disruptions to longstanding patterns of trophic-size structure in vertebrates. Nature Ecology and Evolution, 2022, 6, 684-692.	3.4	8
87	Size dimorphism in Rankinia [Tympanocryptis] diemensis (Family Agamidae): sex-specific patterns and geographic variation. Biological Journal of the Linnean Society, 2008, 94, 699-709.	0.7	6
88	An experimental assessment of impacts of pollution sources on sessile biota in a temperate urbanised estuary. Marine Pollution Bulletin, 2018, 133, 209-217.	2.3	6
89	Contributions of body size, habitat and taxonomy to predictions of temperate Australian fish diets. Marine Ecology - Progress Series, 2016, 545, 239-249.	0.9	6
90	A community and functional comparison of coral and reef fish assemblages between four decades of coastal urbanisation and thermal stress. Ecology and Evolution, 2022, 12, e8736.	0.8	6

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91	Community size structure varies with predatorâ€“prey size relationships and temperature across Australian reefs. Ecology and Evolution, 2022, 12, e8789.	0.8	6
92	The potential of trait-based approaches to contribute to marine conservation. Marine Policy, 2015, 51, 148-150.	1.5	5
93	Reef communities show predictable undulations in linear abundance size spectra from copepods to sharks. Ecology Letters, 2021, 24, 2146-2154.	3.0	5
94	The awakening of invertebrates: The daily dynamics of fishes and mobile invertebrates at Rapa Nui's multiple use marine protected area. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 290-303.	0.9	4
95	Moving beyond trophic groups: evaluating fishingâ€induced changes to temperate reef food webs. Marine Ecology - Progress Series, 2018, 587, 175-186.	0.9	4
96	Tropicalization of temperate reef fish communities facilitated by urchin grazing and diversity of thermal affinities. Global Ecology and Biogeography, 2022, 31, 995-1005.	2.7	4
97	Sea temperature and habitat effects on juvenile reef fishes along a tropicalizing coastline. Diversity and Distributions, 2022, 28, 1154-1170.	1.9	3
98	Prioritising conservation actions for extremely data-poor species: A risk assessment for one of the world's rarest marine fishes. Biological Conservation, 2022, 268, 109501.	1.9	2
99	Spatial compositional turnover varies with trophic level and body size in marine assemblages of microâ€• and macroorganisms. Global Ecology and Biogeography, 2022, 31, 1556-1570.	2.7	2
100	Circumglobal distribution of fish environmental DNA in coral reefs. ARPHA Conference Abstracts, 0, 4, .	0.0	0
101	Endemic Handfish Species Threatened With Extinction. , 2021, , .		0