

George Roff

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

3,220
citations

147801

31
h-index

161849

54
g-index

74
all docs

74
docs citations

74
times ranked

3535
citing authors

#	ARTICLE	IF	CITATIONS
1	Global disparity in the resilience of coral reefs. <i>Trends in Ecology and Evolution</i> , 2012, 27, 404-413.	8.7	384
2	Doom and Boom on a Resilient Reef: Climate Change, Algal Overgrowth and Coral Recovery. <i>PLoS ONE</i> , 2009, 4, e5239.	2.5	262
3	The Ecological Role of Sharks on Coral Reefs. <i>Trends in Ecology and Evolution</i> , 2016, 31, 395-407.	8.7	209
4	Characterizing the ecological trade-offs throughout the early ontogeny of coral recruitment. <i>Ecological Monographs</i> , 2016, 86, 20-44.	5.4	153
5	Regulation of Bacterial Communities Through Antimicrobial Activity by the Coral Holobiont. <i>Microbial Ecology</i> , 2012, 63, 605-618.	2.8	118
6	Anticipative management for coral reef ecosystem services in the 21st century. <i>Global Change Biology</i> , 2015, 21, 504-514.	9.5	105
7	Linking Demographic Processes of Juvenile Corals to Benthic Recovery Trajectories in Two Common Reef Habitats. <i>PLoS ONE</i> , 2015, 10, e0128535.	2.5	103
8	Palaeoecological evidence of a historical collapse of corals at Pelorus Island, inshore Great Barrier Reef, following European settlement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122100.	2.6	102
9	Decline of coastal apex shark populations over the past half century. <i>Communications Biology</i> , 2018, 1, 223.	4.4	98
10	Linkages between coral assemblages and coral proxies of terrestrial exposure along a cross-shelf gradient on the southern Great Barrier Reef. <i>Coral Reefs</i> , 2008, 27, 887-903.	2.2	76
11	Discerning the timing and cause of historical mortality events in modern <i>Porites</i> from the Great Barrier Reef. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 138, 57-80.	3.9	76
12	Testing the precision and accuracy of the U-Th chronometer for dating coral mortality events in the last 100 years. <i>Quaternary Geochronology</i> , 2014, 23, 35-45.	1.4	74
13	Bacteria are not the primary cause of bleaching in the Mediterranean coral <i>Oculina patagonica</i> . <i>ISME Journal</i> , 2008, 2, 67-73.	9.8	68
14	The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory. <i>Functional Ecology</i> , 2017, 31, 1312-1324.	3.6	54
15	Intra-colonial response to Acroporid "white syndrome" lesions in tabular <i>Acropora</i> spp. (<i>Scleractinia</i>). <i>Coral Reefs</i> , 2006, 25, 255-264.	2.2	52
16	Phototrophic microendoliths bloom during coral "white syndrome". <i>Coral Reefs</i> , 2006, 25, 577-581.	2.2	51
17	Increased Prevalence of Ubiquitous Ascomycetes in an Acropoid Coral (<i>Acropora formosa</i>) Exhibiting Symptoms of Brown Band Syndrome and Skeletal Eroding Band Disease. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2755-2757.	3.1	49
18	U-Th dating reveals regional-scale decline of branching <i>Acropora</i> corals on the Great Barrier Reef over the past century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10350-10355.	7.1	49

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19	Phase shift facilitation following cyclone disturbance on coral reefs. <i>Oecologia</i> , 2015, 178, 1193-1203.	2.0	48
20	Sensitivity of coral recruitment to subtle shifts in early community succession. <i>Ecology</i> , 2017, 98, 304-314.	3.2	46
21	Porites and the Phoenix effect: unprecedented recovery after a mass coral bleaching event at Rangiroa Atoll, French Polynesia. <i>Marine Biology</i> , 2014, 161, 1385-1393.	1.5	45
22	Reef-scale failure of coral settlement following typhoon disturbance and macroalgal bloom in Palau, Western Pacific. <i>Coral Reefs</i> , 2014, 33, 613-623.	2.2	45
23	Coral symbioses under prolonged environmental change: living near tolerance range limits. <i>Scientific Reports</i> , 2016, 6, 36271.	3.3	45
24	Hierarchical spatial patterns in Caribbean reef benthic assemblages. <i>Journal of Biogeography</i> , 2015, 42, 1327-1335.	3.0	44
25	Broadening the taxonomic scope of coral reef palaeoecological studies using ancient DNA. <i>Molecular Ecology</i> , 2019, 28, 2636-2652.	3.9	44
26	Exposure-driven macroalgal phase shift following catastrophic disturbance on coral reefs. <i>Coral Reefs</i> , 2015, 34, 715-725.	2.2	42
27	Keep up or down: adjustment of western Pacific coral reefs to sea-level rise in the 21st century. <i>Royal Society Open Science</i> , 2015, 2, 150181.	2.4	41
28	Resilience of branching and massive corals to wave loading under sea level rise – A coupled computational fluid dynamics-structural analysis. <i>Marine Pollution Bulletin</i> , 2014, 86, 91-101.	5.0	40
29	Successive marine heatwaves cause disproportionate coral bleaching during a fast phase transition from El Niño to La Niña. <i>Science of the Total Environment</i> , 2020, 715, 136951.	8.0	40
30	High-precision U-series ages of transported coral blocks on Heron Reef (southern Great Barrier Reef) and storm activity during the past century. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 337-338, 23-36.	2.3	38
31	Seascapes as drivers of herbivore assemblages in coral reef ecosystems. <i>Ecological Monographs</i> , 2019, 89, e01336.	5.4	33
32	The Ecology of 'Acroporid White Syndrome', a Coral Disease from the Southern Great Barrier Reef. <i>PLoS ONE</i> , 2011, 6, e26829.	2.5	32
33	Age structure of massive <i>Porites lutea</i> corals at Luhuitou fringing reef (northern South China Sea) indicates recovery following severe anthropogenic disturbance. <i>Coral Reefs</i> , 2014, 33, 39-44.	2.2	32
34	Decadal-scale rates of reef erosion following El Niño-related mass coral mortality. <i>Global Change Biology</i> , 2015, 21, 4415-4424.	9.5	30
35	Coral-Derived Western Pacific Tropical Sea Surface Temperatures During the Last Millennium. <i>Geophysical Research Letters</i> , 2018, 45, 3542-3549.	4.0	27
36	Variable response of Red Sea coral communities to recent disturbance events along a latitudinal gradient. <i>Marine Biology</i> , 2021, 168, 1.	1.5	27

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37	Spatial and Temporal Patterns of Eastern Australia Subtropical Coral Communities. PLoS ONE, 2013, 8, e75873.	2.5	26
38	Rapid accretion of inshore reef slopes from the central Great Barrier Reef during the late Holocene. Geology, 2015, 43, 343-346.	4.4	24
39	Coral disease physiology: the impact of Acroporid white syndrome on Symbiodinium. Coral Reefs, 2008, 27, 373-377.	2.2	23
40	Sedimentation and overfishing drive changes in early succession and coral recruitment. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202575.	2.6	23
41	Transient Grazing and the Dynamics of an Unanticipated Coral-Algal Phase Shift. Ecosystems, 2019, 22, 296-311.	3.4	22
42	Marine reserves, fisheries ban, and 20 years of positive change in a coral reef ecosystem. Conservation Biology, 2021, 35, 1473-1483.	4.7	22
43	Evidence of cyanobacteria-like endosymbionts in Acroporid corals from the Great Barrier Reef. Coral Reefs, 2009, 28, 547-547.	2.2	20
44	SPATIAL HETEROGENEITY OF PHOTOSYNTHETIC ACTIVITY WITHIN DISEASED CORALS FROM THE GREAT BARRIER REEF. Journal of Phycology, 2008, 44, 526-538.	2.3	19
45	Revisiting the paradigm of shark-driven trophic cascades in coral reef ecosystems. Ecology, 2021, 102, e03303.	3.2	18
46	Spatial Patterns of Parrotfish Corallivory in the Caribbean: The Importance of Coral Taxa, Density and Size. PLoS ONE, 2011, 6, e29133.	2.5	18
47	Reef accretion and coral growth rates are decoupled in Holocene reef frameworks. Marine Geology, 2020, 419, 106065.	2.1	17
48	Millennium-scale records of benthic foraminiferal communities from the central Great Barrier Reef reveal spatial differences and temporal consistency. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 374, 52-61.	2.3	16
49	The importance of 1.5°C warming for the Great Barrier Reef. Global Change Biology, 2022, 28, 1332-1341.	9.5	16
50	Macroalgal associations of motile epifaunal invertebrate communities on coral reefs. Marine Ecology, 2013, 34, 409-419.	1.1	15
51	Episodic Reef Growth in the Northern South China Sea linked to Warm Climate During the Past 7,000 Years: Potential for Future Coral Refugia. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1032-1043.	3.0	15
52	Reassessing Shark-Driven Trophic Cascades on Coral Reefs: A Reply to Ruppert et al .. Trends in Ecology and Evolution, 2016, 31, 587-589.	8.7	14
53	Corals on the move: morphological and reproductive strategies of reef flat coralliths. Coral Reefs, 2008, 27, 343-344.	2.2	12
54	Mesenterial filaments make a clean sweep of substrates for coral growth. Coral Reefs, 2009, 28, 79-79.	2.2	10

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55	Mass spawning aggregation of the giant bumphead parrotfish <i>Bolbometopon muricatum</i>. Journal of Fish Biology, 2017, 91, 354-361.	1.6	10
56	Recolonization of Marginal Coral Reef Flats in Response to Recent Sea-Level Rise. Journal of Geophysical Research: Oceans, 2018, 123, 7618-7628.	2.6	10
57	Life-history traits inform population trends when assessing the conservation status of a declining tiger shark population. Biological Conservation, 2019, 239, 108230.	4.1	10
58	Growth responses of branching versus massive corals to ocean warming on the Great Barrier Reef, Australia. Science of the Total Environment, 2020, 705, 135908.	8.0	9
59	Multi-decadal changes in structural complexity following mass coral mortality on a Caribbean reef. Biogeosciences, 2020, 17, 5909-5918.	3.3	9
60	A U-Th Dating Approach to Understanding Past Coral Reef Dynamics and Geomorphological Constraints on Future Reef Growth Potential; Maze Bay, Southern Great Barrier Reef. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003768.	2.9	8
61	U-Th age distribution of coral fragments from multiple rubble ridges within the Frankland Islands, Great Barrier Reef: Implications for past storminess history. Quaternary Science Reviews, 2016, 143, 51-68.	3.0	7
62	Use of skeletal Sr/Ca ratios to determine growth patterns in a branching coral <i>Isopora palifera</i> . Marine Biology, 2017, 164, 1.	1.5	7
63	Reef accumulation is decoupled from recent degradation in the central and southern Red Sea. Science of the Total Environment, 2022, 809, 151176.	8.0	7
64	Tropical Sand Cays as Natural Paleocyclone Archives. Geophysical Research Letters, 2019, 46, 9796-9803.	4.0	6
65	Re-evaluating mid-Holocene reef 'turn-off' on the inshore Southern Great Barrier Reef. Quaternary Science Reviews, 2020, 244, 106518.	3.0	6
66	Evolutionary History Drives Biogeographic Patterns of Coral Reef Resilience. BioScience, 0, , .	4.9	6
67	Cryptic diversity in the macroalgal genus <i>Lobophora</i> (Dictyotales) reveals environmental drivers of algal assemblages. Marine Biology, 2020, 167, 1.	1.5	5
68	Cryptic coral recruits as dormant 'seed banks': An unrecognized mechanism of rapid reef recovery. Ecology, 2022, 103, e3621.	3.2	4
69	Earliest record of a coral disease from the Indo-Pacific?. Coral Reefs, 2016, 35, 457-457.	2.2	3
70	Global predictions of coral reef dissolution in the Anthropocene. Communications Earth & Environment, 2022, 3, .	6.8	1