George Roff

List of Publications by Year
in descending order

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	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
2	The importance of 1.5Â°C warming for the Great Barrier Reef. Global Change Biology, 2022, 28, 1332-1341.	9.5	16
3	Cryptic coral recruits as dormant â€œseed banksâ€: An unrecognized mechanism of rapid reef recovery. Ecology, 2022, 103, e3621.	3.2	4
4	Global predictions of coral reef dissolution in the Anthropocene. Communications Earth & Environment, 2022, 3, .	6.8	1
5	Revisiting the paradigm of sharkâ€driven trophic cascades in coral reef ecosystems. Ecology, 2021, 102, e03303.	3.2	18
6	Marine reserves, fisheries ban, and 20 years of positive change in a coral reef ecosystem. Conservation Biology, 2021, 35, 1473-1483.	4.7	22
7	Variable response of Red Sea coral communities to recent disturbance events along a latitudinal gradient. Marine Biology, 2021, 168, 1.	1.5	27
8	Reef accretion and coral growth rates are decoupled in Holocene reef frameworks. Marine Geology, 2020, 419, 106065.	2.1	17
9	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
10	Cryptic diversity in the macroalgal genus Lobophora (Dictyotales) reveals environmental drivers of algal assemblages. Marine Biology, 2020, 167, 1.	1.5	5
11	Re-evaluating mid-Holocene reef â€œturn-offâ€•on the inshore Southern Great Barrier Reef. Quaternary Science Reviews, 2020, 244, 106518.	3.0	6
12	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
13	A Uâ€Th Dating Approach to Understanding Past Coral Reef Dynamics and Geomorphological Constraints on Future Reef Growth Potential; Mazie Bay, Southern Great Barrier Reef. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003768.	2.9	8
14	Successive marine heatwaves cause disproportionate coral bleaching during a fast phase transition from El NiÃ±o to La NiÃ±a. Science of the Total Environment, 2020, 715, 136951.	8.0	40
15	Multi-decadal changes in structural complexity following mass coral mortality on a Caribbean reef. Biogeosciences, 2020, 17, 5909-5918.	3.3	9
16	Transient Grazing and the Dynamics of an Unanticipated Coralâ€“Algal Phase Shift. Ecosystems, 2019, 22, 296-311.	3.4	22
17	Tropical Sand Cays as Natural Paleocyclone Archives. Geophysical Research Letters, 2019, 46, 9796-9803.	4.0	6
18	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

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19	Seascapes as drivers of herbivore assemblages in coral reef ecosystems. Ecological Monographs, 2019, 89, e01336.	5.4	33
20	Episodic Reef Growth in the Northern South China Sea linked to Warm Climate During the Past 7,000ÂYears: Potential for Future Coral Refugia. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 1032-1043.	3.0	15
21	Broadening the taxonomic scope of coral reef palaeoecological studies using ancient DNA. Molecular Ecology, 2019, 28, 2636-2652.	3.9	44
22	Coralâ€Derived Western Pacific Tropical Sea Surface Temperatures During the Last Millennium. Geophysical Research Letters, 2018, 45, 3542-3549.	4.0	27
23	Decline of coastal apex shark populations over the past half century. Communications Biology, 2018, 1, 223.	4.4	98
24	Recolonization of Marginal Coral Reef Flats in Response to Recent Seaâ€Level Rise. Journal of Geophysical Research: Oceans, 2018, 123, 7618-7628.	2.6	10
25	Mass spawning aggregation of the giant bumphead parrotfish Bolbometopon muricatum. Journal of Fish Biology, 2017, 91, 354-361.	1.6	10
26	Use of skeletal Sr/Ca ratios to determine growth patterns in a branching coral Isopora palifera. Marine Biology, 2017, 164, 1.	1.5	7
27	U-Th dating reveals regional-scale decline of branching Acropora corals on the Great Barrier Reef over the past century. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10350-10355.	7.1	49
28	Sensitivity of coral recruitment to subtle shifts in early community succession. Ecology, 2017, 98, 304-314.	3.2	46
29	The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory. Functional Ecology, 2017, 31, 1312-1324.	3.6	54
30	Characterizing the ecological tradeâ€offs throughout the early ontogeny of coral recruitment. Ecological Monographs, 2016, 86, 20-44.	5.4	153
31	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
32	Earliest record of a coral disease from the Indo-Pacific?. Coral Reefs, 2016, 35, 457-457.	2.2	3
33	Coral symbioses under prolonged environmental change: living near tolerance range limits. Scientific Reports, 2016, 6, 36271.	3.3	45
34	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
35	The Ecological Role of Sharks on Coral Reefs. Trends in Ecology and Evolution, 2016, 31, 395-407.	8.7	209
36	Keep up or drown: adjustment of western Pacific coral reefs to sea-level rise in the 21st century. Royal Society Open Science, 2015, 2, 150181.	2.4	41

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37	Decadalâ€scale rates of reef erosion following El NiÃ±oâ€related mass coral mortality. Global Change Biology, 2015, 21, 4415-4424.	9.5	30
38	Linking Demographic Processes of Juvenile Corals to Benthic Recovery Trajectories in Two Common Reef Habitats. PLoS ONE, 2015, 10, e0128535.	2.5	103
39	Rapid accretion of inshore reef slopes from the central Great Barrier Reef during the late Holocene. Geology, 2015, 43, 343-346.	4.4	24
40	Exposure-driven macroalgal phase shift following catastrophic disturbance on coral reefs. Coral Reefs, 2015, 34, 715-725.	2.2	42
41	Phase shift facilitation following cyclone disturbance on coral reefs. Oecologia, 2015, 178, 1193-1203.	2.0	48
42	Hierarchical spatial patterns in Caribbean reef benthic assemblages. Journal of Biogeography, 2015, 42, 1327-1335.	3.0	44
43	Anticipative management for coral reef ecosystem services in the 21st century. Global Change Biology, 2015, 21, 504-514.	9.5	105
44	Discerning the timing and cause of historical mortality events in modern Porites from the Great Barrier Reef. Geochimica Et Cosmochimica Acta, 2014, 138, 57-80.	3.9	76
45	Age structure of massive Porites lutea corals at Luhuitou fringing reef (northern South China Sea) indicates recovery following severe anthropogenic disturbance. Coral Reefs, 2014, 33, 39-44.	2.2	32
46	Resilience of branching and massive corals to wave loading under sea level rise â€“ A coupled computational fluid dynamics-structural analysis. Marine Pollution Bulletin, 2014, 86, 91-101.	5.0	40
47	Porites and the Phoenix effect: unprecedented recovery after a mass coral bleaching event at Rangiroa Atoll, French Polynesia. Marine Biology, 2014, 161, 1385-1393.	1.5	45
48	Reef-scale failure of coral settlement following typhoon disturbance and macroalgal bloom in Palau, Western Pacific. Coral Reefs, 2014, 33, 613-623.	2.2	45
49	Testing the precision and accuracy of the Uâ€“Th chronometer for dating coral mortality events in the last 100 years. Quaternary Geochronology, 2014, 23, 35-45.	1.4	74
50	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
51	Macroalgal associations of motile epifaunal invertebrate communities on coral reefs. Marine Ecology, 2013, 34, 409-419.	1.1	15
52	Palaeoecological evidence of a historical collapse of corals at Pelorus Island, inshore Great Barrier Reef, following European settlement. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122100.	2.6	102
53	Spatial and Temporal Patterns of Eastern Australia Subtropical Coral Communities. PLoS ONE, 2013, 8, e75873.	2.5	26
54	High-precision U-series ages of transported coral blocks on Heron Reef (southern Great Barrier Reef) and storm activity during the past century. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 337-338, 23-36.	2.3	38

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55	Global disparity in the resilience of coral reefs. Trends in Ecology and Evolution, 2012, 27, 404-413.	8.7	384
56	Regulation of Bacterial Communities Through Antimicrobial Activity by the Coral Holobiont. Microbial Ecology, 2012, 63, 605-618.	2.8	118
57	The Ecology of â€˜Acroporid White Syndrome', a Coral Disease from the Southern Great Barrier Reef. PLoS ONE, 2011, 6, e26829.	2.5	32
58	Spatial Patterns of Parrotfish Corallivory in the Caribbean: The Importance of Coral Taxa, Density and Size. PLoS ONE, 2011, 6, e29133.	2.5	18
59	Mesenterial filaments make a clean sweep of substrates for coral growth. Coral Reefs, 2009, 28, 79-79.	2.2	10
60	Evidence of cyanobacteria-like endosymbionts in Acroporid corals from the Great Barrier Reef. Coral Reefs, 2009, 28, 547-547.	2.2	20
61	Doom and Boom on a Resilient Reef: Climate Change, Algal Overgrowth and Coral Recovery. PLoS ONE, 2009, 4, e5239.	2.5	262
62	Coral disease physiology: the impact of Acroporid white syndrome on Symbiodinium. Coral Reefs, 2008, 27, 373-377.	2.2	23
63	Corals on the move: morphological and reproductive strategies of reef flat coralliths. Coral Reefs, 2008, 27, 343-344.	2.2	12
64	Linkages between coral assemblages and coral proxies of terrestrial exposure along a cross-shelf gradient on the southern Great Barrier Reef. Coral Reefs, 2008, 27, 887-903.	2.2	76
65	Bacteria are not the primary cause of bleaching in the Mediterranean coral Oculina patagonica. ISME Journal, 2008, 2, 67-73.	9.8	68
66	SPATIAL HETEROGENEITY OF PHOTOSYNTHETIC ACTIVITY WITHIN DISEASED CORALS FROM THE GREAT BARRIER REEF¹. Journal of Phycology, 2008, 44, 526-538.	2.3	19
67	Increased Prevalence of Ubiquitous Ascomycetes in an Acropoid Coral (Acropora formosa) Exhibiting Symptoms of Brown Band Syndrome and Skeletal Eroding Band Disease. Applied and Environmental Microbiology, 2007, 73, 2755-2757.	3.1	49
68	Intra-colonial response to Acroporid â€œwhite syndromeâ€•lesions in tabular Acropora spp. (Scleractinia). Coral Reefs, 2006, 25, 255-264.	2.2	52
69	Phototrophic microendoliths bloom during coral â€œwhite syndromeâ€• Coral Reefs, 2006, 25, 577-581.	2.2	51
70	Evolutionary History Drives Biogeographic Patterns of Coral Reef Resilience. BioScience, 0, , .	4.9	6