R Cunning

List of Publications by Year
in descending order

32 papers	2,448 citations	257450 24 h-index	414414 32 g-index
34 all docs	34 docs citations	34 times ranked	1730 citing authors

#	Article	IF	Citations
1	Change in algal symbiont communities after bleaching, not prior heat exposure, increases heat tolerance of reef corals. Global Change Biology, 2015, 21, 236-249.	9.5	329
2	Excess algal symbionts increase the susceptibility of reef corals to bleaching. Nature Climate Change, 2013, 3, 259-262.	18.8	278
3	Investigating the causes and consequences of symbiont shuffling in a multi-partner reef coral symbiosis under environmental change. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141725.	2.6	187
4	Tenacious D: Symbiodinium in clade D remain in reef corals at both high and low temperature extremes despite impairment. Journal of Experimental Biology, 2017, 220, 1192-1196.	1.7	112
5	Comparative analysis of the Pocillopora damicornis genome highlights role of immune system in coral evolution. Scientific Reports, 2018, 8, 16134.	3.3	112
6	Growth tradeoffs associated with thermotolerant symbionts in the coral Pocillopora damicornis are lost in warmer oceans. Coral Reefs, 2015, 34, 155-160.	2.2	111
7	Development of Gene Expression Markers of Acute Heat-Light Stress in Reef-Building Corals of the Genus Porites. PLoS ONE, 2011, 6, e26914.	2.5	108
8	Changes in coral microbial communities in response to a natural pH gradient. ISME Journal, 2012, 6, 1775-1785.	9.8	98
9	Patterns of bleaching and recovery of Montipora capitata in KÄneâ€˜ohe Bay, Hawaiâ€˜i, USA. Marine Ecology - Progress Series, 2016, 551, 131-139.	1.9	98
10	Not just who, but how many: the importance of partner abundance in reef coral symbioses. Frontiers in Microbiology, 2014, 5, 400.	3.5	88
11	Using high-throughput sequencing of ITS2 to describe Symbiodinium metacommunities in St. John, US Virgin Islands. PeerJ, 2017, 5, e3472.	2.0	88
12	Variability of Symbiodinium Communities in Waters, Sediments, and Corals of Thermally Distinct Reef Pools in American Samoa. PLoS ONE, 2015, 10, e0145099.	2.5	81
13	Dynamic regulation of partner abundance mediates response of reef coral symbioses to environmental change. Ecology, 2015, 96, 1411-1420.	3.2	69
14	Increasing comparability among coral bleaching experiments. Ecological Applications, 2021, 31, e02262.	3.8	68
15	Dynamic symbioses reveal pathways to coral survival through prolonged heatwaves. Nature Communications, 2020, 11, 6097.	12.8	67
16	A dynamic bioenergetic model for coral- Symbiodinium symbioses and coral bleaching as an alternate stable state. Journal of Theoretical Biology, 2017, 431, 49-62.	1.7	63
17	Symbiont shuffling linked to differential photochemical dynamics of Symbiodinium in three Caribbean reef corals. Coral Reefs, 2018, 37, 145-152.	2.2	62
18	Speciesâ€specific responses to climate change and community composition determine future calcification rates of Florida Keys reefs. Global Change Biology, 2017, 23, 1023-1035.	9.5	61

#	Article	IF	Citations
19	Extensive coral mortality and critical habitat loss following dredging and their association with remotely-sensed sediment plumes. Marine Pollution Bulletin, 2019, 145, 185-199.	5.0	51
20	Coral color and depth drive symbiosis ecology of Montipora capitata in KÄneâ€˜ohe Bay, Oâ€˜ahu, Hawaiâ€˜i. Coral Reefs, 2018, 37, 423-430.	2.2	45
21	Thermotolerant coral symbionts modulate heat stressâ€responsive genes in their hosts. Molecular Ecology, 2020, 29, 2940-2950.	3.9	39
22	Census of heat tolerance among Florida's threatened staghorn corals finds resilient individuals throughout existing nursery populations. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211613.	2.6	39
23	Flexible associations between Pocillopora corals and Symbiodinium limit utility of symbiosis ecology in defining species. Coral Reefs, 2013, 32, 795-801.	2.2	33
24	Elevated p CO ₂ affects tissue biomass composition, but not calcification, in a reef coral under two light regimes. Royal Society Open Science, 2017, 4, 170683.	2.4	33
25	Competition and succession among coral endosymbionts. Ecology and Evolution, 2019, 9, 12767-12778.	1.9	25
26	Characterization of a thermally tolerant Orbicella faveolata reef in Abaco, The Bahamas. Coral Reefs, 2020, 39, 675-685.	2.2	23
27	The effects of Symbiodinium (Pyrrhophyta) identity on growth, survivorship, and thermal tolerance of newly settled coral recruits. Journal of Phycology, 2016, 52, 1114-1124.	2.3	22
28	Symbiont shuffling induces differential DNA methylation responses to thermal stress in the coral Montastraea cavernosa. Molecular Ecology, 2022, 31, 588-602.	3.9	14
29	Diversity, Distribution and Stability of Symbiodinium in Reef Corals of the Eastern Tropical Pacific. Coral Reefs of the World, 2017, , 405-420.	0.7	12
30	Temperatureâ€mediated acquisition of rare heterologous symbionts promotes survival of coral larvae under ocean warming. Global Change Biology, 2022, 28, 2006-2025.	9.5	12
31	High light alongside elevated PCO2Âalleviates thermal depression of photosynthesis in a hard coral (Pocillopora acuta). Journal of Experimental Biology, 2020, 223, .	1.7	3
32	Will coral reefs survive by adaptive bleaching?. Emerging Topics in Life Sciences, 2022, 6, 11-15.	2.6	1