Verena Schoepf

List of Publications by Year
in descending order

41 papers	6,223 citations	257101 24 h-index	264894 42 g-index
46 all docs	46 docs citations	46 times ranked	5314 citing authors

#	Article	IF	Citations
1	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	13.7	2,363
2	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. Science, 2018, 359, 80-83.	6.0	1,515
3	The cumulative impact of annual coral bleaching can turn some coral species winners into losers. Global Change Biology, 2014, 20, 3823-3833.	4.2	352
4	Limits to the thermal tolerance of corals adapted to a highly fluctuating, naturally extreme temperature environment. Scientific Reports, 2015, 5, 17639.	1.6	219
5	Marine heatwave causes unprecedented regional mass bleaching of thermally resistant corals in northwestern Australia. Scientific Reports, 2017, 7, 14999.	1.6	159
6	Coral physiology and microbiome dynamics under combined warming and ocean acidification. PLoS ONE, 2018, 13, e0191156.	1.1	158
7	Coral Energy Reserves and Calcification in a High-CO2 World at Two Temperatures. PLoS ONE, 2013, 8, e75049.	1.1	137
8	The Future of Coral Reefs Subject to Rapid Climate Change: Lessons from Natural Extreme Environments. Frontiers in Marine Science, 2018, 5, .	1.2	136
9	Global declines in coral reef calcium carbonate production under ocean acidification and warming. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	132
10	Microelectrode characterization of coral daytime interior pH and carbonate chemistry. Nature Communications, 2016, 7, 11144.	5.8	115
11	Annual coral bleaching and the long-term recovery capacity of coral. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151887.	1.2	100
12	Can heterotrophic uptake of dissolved organic carbon and zooplankton mitigate carbon budget deficits in annually bleached corals?. Coral Reefs, 2016, 35, 495-506.	0.9	75
13	Physiological response to elevated temperature and pCO2 varies across four Pacific coral species: Understanding the unique host+symbiont response. Scientific Reports, 2015, 5, 18371.	1.6	72
14	Coral calcification mechanisms facilitate adaptive responses to ocean acidification. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20172117.	1.2	70
15	Stress-resistant corals may not acclimatize to ocean warming but maintain heat tolerance under cooler temperatures. Nature Communications, 2019, 10, 4031.	5.8	62
16	The state of Western Australiaâ€™s coral reefs. Coral Reefs, 2019, 38, 651-667.	0.9	56
17	Resolving structure and function of metaorganisms through a holistic framework combining reductionist and integrative approaches. Zoology, 2019, 133, 81-87.	0.6	53
18	Cleaning and pre-treatment procedures for biogenic and synthetic calcium carbonate powders for determination of elemental and boron isotopic compositions. Chemical Geology, 2015, 398, 11-21.	1.4	41

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19	Perennial growth of hermatypic corals at Rottnest Island, Western Australia (32Â°S). PeerJ, 2015, 3, e781.	0.9	35
20	How can â€œSuper Coralsâ€• facilitate global coral reef survival under rapid environmental and climatic change?. Global Change Biology, 2018, 24, 2755-2757.	4.2	34
21	Thermally Variable, Macrotidal Reef Habitats Promote Rapid Recovery From Mass Coral Bleaching. Frontiers in Marine Science, 2020, 7, .	1.2	34
22	Microhabitat use and prey selection of the coral-feeding snail Drupella cornus in the northern Red Sea. Hydrobiologia, 2010, 641, 45-57.	1.0	32
23	Long-term recovery of Caribbean corals from bleaching. Journal of Experimental Marine Biology and Ecology, 2018, 506, 124-134.	0.7	32
24	Kinetic and metabolic isotope effects in coral skeletal carbon isotopes: A re-evaluation using experimental coral bleaching as a case study. Geochimica Et Cosmochimica Acta, 2014, 146, 164-178.	1.6	30
25	Organic carbon fluxes mediated by corals at elevated pCO2 and temperature. Marine Ecology - Progress Series, 2015, 519, 153-164.	0.9	27
26	Mechanisms and seasonal drivers of calcification in the temperate coralTurbinaria reniformisat its latitudinal limits. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180215.	1.2	24
27	Editorial: The Future of Coral Reefs Subject to Rapid Climate Change: Lessons From Natural Extreme Environments. Frontiers in Marine Science, 2018, 5, .	1.2	17
28	Short-Term Coral Bleaching Is Not Recorded by Skeletal Boron Isotopes. PLoS ONE, 2014, 9, e112011.	1.1	17
29	Coral heat tolerance under variable temperatures: Effects of different variability regimes and past environmental history vs. current exposure. Limnology and Oceanography, 2022, 67, 404-418.	1.6	17
30	High-temperature acclimation strategies within the thermally tolerant endosymbiont Symbiodinium trenchii and its coral host, Turbinaria reniformis, differ with changing pCO 2 and nutrients. Marine Biology, 2016, 163, 1.	0.7	14
31	Coral calcification under environmental change: a direct comparison of the alkalinity anomaly and buoyant weight techniques. Coral Reefs, 2017, 36, 13-25.	0.9	14
32	Heat stress differentially impacts key calcification mechanisms in reef-building corals. Coral Reefs, 2021, 40, 459-471.	0.9	13
33	Coral host physiology and symbiont dynamics associated with differential recovery from mass bleaching in an extreme, macro-tidal reef environment in northwest Australia. Coral Reefs, 2021, 40, 893-905.	0.9	12
34	Moderate nutrient concentrations are not detrimental to corals under future ocean conditions. Marine Biology, 2021, 168, 1.	0.7	12
35	Quantitative interpretation of vertical profiles of calcium and pH in the coral coelenteron. Marine Chemistry, 2018, 204, 62-69.	0.9	11
36	Natural Variability in Caribbean Coral Physiology and Implications for Coral Bleaching Resilience. Frontiers in Marine Science, 2022, 8, .	1.2	8

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37	Impacts of coral bleaching on pH and oxygen gradients across the coral concentration boundary layer: a microsensor study. Coral Reefs, 2018, 37, 1169-1180.	0.9	5
38	Lipid class composition of annually bleached Caribbean corals. Marine Biology, 2020, 167, 1.	0.7	5
39	Coral calcification mechanisms in a warming ocean and the interactive effects of temperature and light. Communications Earth & Environment, 2022, 3, .	2.6	5
40	Impacts of marine heatwaves. , 2019, , 123-140.		4
41	Impacts of ocean warming and acidification on calcifying coral reef taxa: mechanisms responsible and adaptive capacity. Emerging Topics in Life Sciences, 2022, 6, 1-9.	1.1	3