

# Maren Ziegler

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

3,726  
citations

218592

26  
h-index

168321

53  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterial community dynamics are linked to patterns of coral heat tolerance. <i>Nature Communications</i> , 2017, 8, 14213.	5.8	529
2	Human Anti-fungal Th17 Immunity and Pathology Rely on Cross-Reactivity against <i>Candida albicans</i> . <i>Cell</i> , 2019, 176, 1340-1355.e15.	13.5	321
3	Coral bacterial community structure responds to environmental change in a host-specific manner. <i>Nature Communications</i> , 2019, 10, 3092.	5.8	224
4	SymPortal: A novel analytical framework and platform for coral algal symbiont next-generation sequencing <i>ITS2</i> profiling. <i>Molecular Ecology Resources</i> , 2019, 19, 1063-1080.	2.2	205
5	Coral microbial community dynamics in response to anthropogenic impacts near a major city in the central Red Sea. <i>Marine Pollution Bulletin</i> , 2016, 105, 629-640.	2.3	197
6	Metaorganisms in extreme environments: do microbes play a role in organismal adaptation?. <i>Zoology</i> , 2018, 127, 1-19.	0.6	194
7	Thermal refugia against coral bleaching throughout the northern Red Sea. <i>Global Change Biology</i> , 2018, 24, e474-e484.	4.2	177
8	Rare symbionts may contribute to the resilience of coral algal assemblages. <i>ISME Journal</i> , 2018, 12, 161-172.	4.4	174
9	Biogeography and molecular diversity of coral symbionts in the genus <i>Symbiodinium</i> around the Arabian Peninsula. <i>Journal of Biogeography</i> , 2017, 44, 674-686.	1.4	160
10	Adapting with Microbial Help: Microbiome Flexibility Facilitates Rapid Responses to Environmental Change. <i>BioEssays</i> , 2020, 42, e2000004.	1.2	146
11	An improved primer set and amplification protocol with increased specificity and sensitivity targeting the <i>Symbiodinium</i> ITS2 region. <i>PeerJ</i> , 2018, 6, e4816.	0.9	102
12	In situ observations of coral bleaching in the central Saudi Arabian Red Sea during the 2015/2016 global coral bleaching event. <i>PLoS ONE</i> , 2018, 13, e0195814.	1.1	82
13	Invasive infections due to <i>Saprochaete</i> and <i>Geotrichum</i> species: Report of 23 cases from the FungiScope Registry. <i>Mycoses</i> , 2017, 60, 273-279.	1.8	78
14	Desert plant bacteria reveal host influence and beneficial plant growth properties. <i>PLoS ONE</i> , 2018, 13, e0208223.	1.1	76
15	Stable mucus-associated bacterial communities in bleached and healthy corals of <i>Porites lobata</i> from the Arabian Seas. <i>Scientific Reports</i> , 2017, 7, 45362.	1.6	70
16	Rebuild the Academy: Supporting academic mothers during COVID-19 and beyond. <i>PLoS Biology</i> , 2021, 19, e3001100.	2.6	67
17	Mesophotic coral depth acclimatization is a function of host-specific symbiont physiology. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	66
18	Year-Long Monitoring of Physico-Chemical and Biological Variables Provide a Comparative Baseline of Coral Reef Functioning in the Central Red Sea. <i>PLoS ONE</i> , 2016, 11, e0163939.	1.1	59

#	ARTICLE	IF	CITATIONS
19	Limits to physiological plasticity of the coral <i>Pocillopora verrucosa</i> from the central Red Sea. <i>Coral Reefs</i> , 2014, 33, 1115-1129.	0.9	56
20	Niche acclimatization in Red Sea corals is dependent on flexibility of host-symbiont association. <i>Marine Ecology - Progress Series</i> , 2015, 533, 149-161.	0.9	56
21	FungiScope <sup>®</sup> Global Emerging Fungal Infection Registry. <i>Mycoses</i> , 2017, 60, 508-516.	1.8	47
22	Insights into the Cultured Bacterial Fraction of Corals. <i>MSystems</i> , 2021, 6, e0124920.	1.7	45
23	High salinity conveys thermotolerance in the coral model <i>Aiptasia</i> . <i>Biology Open</i> , 2017, 6, 1943-1948.	0.6	42
24	Optical Feedback Loop Involving Dinoflagellate Symbiont and Scleractinian Host Drives Colorful Coral Bleaching. <i>Current Biology</i> , 2020, 30, 2433-2445.e3.	1.8	39
25	Photosynthetic plasticity of endosymbionts in larger benthic coral reef Foraminifera. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 407, 70-80.	0.7	37
26	Interactive effects of microplastic pollution and heat stress on reef-building corals. <i>Environmental Pollution</i> , 2021, 290, 118010.	3.7	37
27	Projecting coral responses to intensifying marine heatwaves under ocean acidification. <i>Global Change Biology</i> , 2022, 28, 1753-1765.	4.2	32
28	Ecological and molecular characterization of a coral black band disease outbreak in the Red Sea during a bleaching event. <i>PeerJ</i> , 2018, 6, e5169.	0.9	32
29	Laboratory-Cultured Strains of the Sea Anemone <i>Exaiptasia</i> Reveal Distinct Bacterial Communities. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	30
30	Genomic Blueprint of Glycine Betaine Metabolism in Coral Metaorganisms and Their Contribution to Reef Nitrogen Budgets. <i>IScience</i> , 2020, 23, 101120.	1.9	30
31	Reef-building corals act as long-term sink for microplastic. <i>Global Change Biology</i> , 2022, 28, 33-45.	4.2	27
32	Carbohydrate composition of mucus from scleractinian corals from the central Red Sea. <i>Coral Reefs</i> , 2019, 38, 21-27.	0.9	23
33	Consensus Guidelines for Advancing Coral Holobiont Genome and Specimen Voucher Deposition. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	23
34	Integrating environmental variability to broaden the research on coral responses to future ocean conditions. <i>Global Change Biology</i> , 2021, 27, 5532-5546.	4.2	23
35	High levels of floridoside at high salinity link osmoadaptation with bleaching susceptibility in the cnidarian-algal endosymbiosis. <i>Biology Open</i> , 2019, 8, .	0.6	21
36	Assessing the effects of iron enrichment across holobiont compartments reveals reduced microbial nitrogen fixation in the Red Sea coral <i>Pocillopora verrucosa</i> . <i>Ecology and Evolution</i> , 2017, 7, 6614-6621.	0.8	17

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37	Coral-Associated Viral Assemblages From the Central Red Sea Align With Host Species and Contribute to Holobiont Genetic Diversity. <i>Frontiers in Microbiology</i> , 2020, 11, 572534.	1.5	16
38	Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. <i>Scientific Reports</i> , 2020, 10, 9783.	1.6	16
39	A comparative baseline of coral disease in three regions along the Saudi Arabian coast of the central Red Sea. <i>PLoS ONE</i> , 2021, 16, e0246854.	1.1	14
40	<i>Pleomothra fragilis</i> n. sp. (Remipedia) from the Bahamas, with Remarks on Morphologic Reductions and Postnaupliar Development. <i>Journal of Crustacean Biology</i> , 2008, 28, 128-136.	0.3	13
41	Development of nitroergic neurons in the nervous system of the locust embryo. <i>Journal of Comparative Neurology</i> , 2010, 518, spc1-spc1.	0.9	12
42	Thermal stress response in a dinoflagellate-bearing nudibranch and the octocoral on which it feeds. <i>Coral Reefs</i> , 2014, 33, 1085-1099.	0.9	11
43	Patterns of <i>Symbiodinium</i> (Dinophyceae) diversity and assemblages among diverse hosts and the coral reef environment of Lizard Island, Australia. <i>Journal of Phycology</i> , 2018, 54, 447-460.	1.0	11
44	Development of nitroergic neurons in the nervous system of the locust embryo. <i>Journal of Comparative Neurology</i> , 2009, 518, n/a-n/a.	0.9	10
45	Relative Diazotroph Abundance in Symbiotic Red Sea Corals Decreases With Water Depth. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	10
46	A framework for in situ molecular characterization of coral holobionts using nanopore sequencing. <i>Scientific Reports</i> , 2020, 10, 15893.	1.6	9
47	Status of coral reefs of Upolu (Independent State of Samoa) in the South West Pacific and recommendations to promote resilience and recovery of coastal ecosystems. <i>Marine Pollution Bulletin</i> , 2018, 129, 392-398.	2.3	8
48	Ecophysiology of Reef-Building Corals in the Red Sea. <i>Coral Reefs of the World</i> , 2019, , 33-52.	0.3	8
49	Salinity-Conveyed Thermotolerance in the Coral Model <i>Aiptasia</i> Is Accompanied by Distinct Changes of the Bacterial Microbiome. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	7
50	Effects of Ocean Acidification on Resident and Active Microbial Communities of <i>Stylophora pistillata</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 707674.	1.5	7
51	<i>Symbiodiniaceae</i> Diversity in Red Sea Coral Reefs & Coral Bleaching. <i>Coral Reefs of the World</i> , 2019, , 69-89.	0.3	6
52	Physicochemical Dynamics, Microbial Community Patterns, and Reef Growth in Coral Reefs of the Central Red Sea. <i>Springer Oceanography</i> , 2019, , 401-418.	0.2	1
53	Growth Response of Reef-Building Corals to Ocean Acidification Is Mediated by Interplay of Taxon-Specific Physiological Parameters. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1