

Melissa S Roth

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,115
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1493
citing authors

#	ARTICLE	IF	CITATIONS
1	The engine of the reef: photobiology of the coral-algal symbiosis. <i>Frontiers in Microbiology</i> , 2014, 5, 422.	3.5	242
2	Chromosome-level genome assembly and transcriptome of the green alga <i>Chromochloris zofingiensis</i> illuminates astaxanthin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4296-E4305.	7.1	131
3	Local Selection and Latitudinal Variation in a Marine Predator-Prey Interaction. <i>Science</i> , 2003, 300, 1135-1137.	12.6	129
4	Effects of cold stress and heat stress on coral fluorescence in reef-building corals. <i>Scientific Reports</i> , 2013, 3, 1421.	3.3	87
5	Green fluorescent protein regulation in the coral <i>Acropora yongei</i> during photoacclimation. <i>Journal of Experimental Biology</i> , 2010, 213, 3644-3655.	1.7	77
6	Regulation of Oxygenic Photosynthesis during Trophic Transitions in the Green Alga <i>Chromochloris zofingiensis</i> . <i>Plant Cell</i> , 2019, 31, 579-601.	6.6	61
7	Red Fluorescent Protein Responsible for Pigmentation in Trematode-Infected <i>Porites compressa</i> Tissues. <i>Biological Bulletin</i> , 2009, 216, 68-74.	1.8	55
8	Cold induces acute stress but heat is ultimately more deleterious for the reef-building coral <i>Acropora yongei</i> . <i>Scientific Reports</i> , 2012, 2, 240.	3.3	55
9	Distribution, abundance, and microhabitat characterization of small juvenile corals at Palmyra Atoll. <i>Marine Ecology - Progress Series</i> , 2009, 376, 133-142.	1.9	47
10	Are all eggs created equal? A case study from the Hawaiian reef-building coral <i>Montipora capitata</i> . <i>Coral Reefs</i> , 2013, 32, 137-152.	2.2	37
11	Subdiffraction-resolution live-cell imaging for visualizing thylakoid membranes. <i>Plant Journal</i> , 2018, 96, 233-243.	5.7	36
12	Life History Changes in Coral Fluorescence and the Effects of Light Intensity on Larval Physiology and Settlement in <i>Seriatopora hystrix</i> . <i>PLoS ONE</i> , 2013, 8, e59476.	2.5	33
13	Hexokinase is necessary for glucose-mediated photosynthesis repression and lipid accumulation in a green alga. <i>Communications Biology</i> , 2019, 2, 347.	4.4	30
14	Widespread polycistronic gene expression in green algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
15	Fluorescent proteins in dominant mesophotic reef-building corals. <i>Marine Ecology - Progress Series</i> , 2015, 521, 63-79.	1.9	27
16	Ecophysiology of mesophotic reef-building corals in Hawaii is influenced by symbiont-host associations, photoacclimatization, trophic plasticity, and adaptation. <i>Limnology and Oceanography</i> , 2019, 64, 1980-1995.	3.1	15
17	The Hawaiian Archipelago. <i>Coral Reefs of the World</i> , 2019, , 445-464.	0.7	11
18	Grand Challenges in Coevolution. <i>Frontiers in Ecology and Evolution</i> , 2022, 9, .	2.2	8

#	ARTICLE	IF	CITATIONS
19	RNA Purification from the Unicellular Green Alga, <i>Chromochloris zofingiensis</i> . Bio-protocol, 2018, 8, e2792.	0.4	2
20	Revealing mechanisms of algal astaxanthin production and bioengineering potential using multiomics. , 2021, , 181-208.		1
21	Fluorescent protein expression in temperature tolerant and susceptible reef-building corals. Journal of the Marine Biological Association of the United Kingdom, 2021, 101, 71-80.	0.8	1