Matthew J Harke

List of Publications by Year
in descending order

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22 papers	2,100 citations	516710 16 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	2358 citing authors

#	Article	IF	Citations
1	Transcriptomic and metatranscriptomic approaches in phytoplankton: insights and advances. , 2022, , 435-485.		1
2	Complex marine microbial communities partition metabolism of scarce resources over the diel cycle. Nature Ecology and Evolution, 2022, 6, 218-229.	7.8	21
3	Combined pigment and metatranscriptomic analysis reveals highly synchronized diel patterns of phenotypic light response across domains in the open oligotrophic ocean. ISME Journal, 2021, 15, 520-533.	9.8	28
4	Transcriptomic Responses of Four Pelagophytes to Nutrient (N, P) and Light Stress. Frontiers in Marine Science, 2021, 8, .	2.5	3
5	Microbial community transcriptional patterns vary in response to mesoscale forcing in the North Pacific Subtropical Gyre. Environmental Microbiology, 2021, 23, 4807-4822.	3.8	14
6	Transcriptional patterns of Emiliania huxleyi in the North Pacific Subtropical Gyre reveal the daily rhythms of its metabolic potential. Environmental Microbiology, 2020, 22, 381-396.	3.8	14
7	Periodic and coordinated gene expression between a diazotroph and its diatom host. ISME Journal, 2019, 13, 118-131.	9.8	29
8	KÄ«lauea lava fuels phytoplankton bloom in the North Pacific Ocean. Science, 2019, 365, 1040-1044.	12.6	35
9	The harmful algae,Cochlodinium polykrikoidesandAureococcus anophagefferens, elicit stronger transcriptomic and mortality response in larval bivalves (Argopecten irradians) than climate change stressors. Ecology and Evolution, 2019, 9, 4931-4948.	1.9	6
10	Effects of Microcystis on development of early life stage Japanese medaka (Oryzias latipes): Comparative toxicity of natural blooms, cultured Microcystis and microcystin-LR. Aquatic Toxicology, 2018, 194, 18-26.	4.0	54
11	Transcriptomic Responses in the Bloom-Forming Cyanobacterium Microcystis Induced during Exposure to Zooplankton. Applied and Environmental Microbiology, 2017, 83, .	3.1	38
12	Conserved Transcriptional Responses to Nutrient Stress in Bloom-Forming Algae. Frontiers in Microbiology, 2017, 8, 1279.	3.5	31
13	A review of the global ecology, genomics, and biogeography of the toxic cyanobacterium, Microcystis spp.. Harmful Algae, 2016, 54, 4-20.	4.8	776
14	The dual role of nitrogen supply in controlling the growth and toxicity of cyanobacterial blooms. Harmful Algae, 2016, 54, 87-97.	4.8	318
15	Nutrient-Controlled Niche Differentiation of Western Lake Erie Cyanobacterial Populations Revealed via Metatranscriptomic Surveys. Environmental Science & Technology, 2016, 50, 604-615.	10.0	151
16	Daily transcriptome changes reveal the role of nitrogen in controlling microcystin synthesis and nutrient transport in the toxic cyanobacterium, Microcystis aeruginosa. BMC Genomics, 2015, 16, 1068.	2.8	64
17	De novo assembly of Aureococcus anophagefferens transcriptomes reveals diverse responses to the low nutrient and low light conditions present during blooms. Frontiers in Microbiology, 2014, 5, 375.	3.5	52
18	Morphology, phylogeny, dynamics, and ichthyotoxicity of <scp>P</scp>heopolykrikos hartmannii (<scp>D</scp>inophyceae) isolates and blooms from <scp>N</scp>ew <scp>Y</scp>ork, <scp>USA</scp>. Journal of Phycology, 2013, 49, 1084-1094.	2.3	19

#	Article	IF	Citations
19	Global Transcriptional Responses of the Toxic Cyanobacterium, Microcystis aeruginosa, to Nitrogen Stress, Phosphorus Stress, and Growth on Organic Matter. PLoS ONE, 2013, 8, e69834.	2.5	151
20	Molecular Response of the Bloom-Forming Cyanobacterium, Microcystis aeruginosa, to Phosphorus Limitation. Microbial Ecology, 2012, 63, 188-198.	2.8	101
21	Suspension feeding by the Atlantic slipper limpet (Crepidula fornicata) and the northern quahog (Mercenaria mercenaria) in the presence of cultured and wild populations of the harmful brown tide alga, Aureococcus anophagefferens. Harmful Algae, 2011, 10, 503-511.	4.8	32
22	Effects of nitrogenous compounds and phosphorus on the growth of toxic and non-toxic strains of Microcystis during cyanobacterial blooms. Aquatic Microbial Ecology, 2010, 61, 149-162.	1.8	151