

Meri J Eichner

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

933447

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docs citations

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times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonate chemistry in the microenvironment within cyanobacterial aggregates under present-day and future CO_2 levels. <i>Limnology and Oceanography</i> , 2022, 67, 203-218.	3.1	2
2	Colonies of the marine cyanobacterium <i>Trichodesmium</i> optimize dust utilization by selective collection and retention of nutrient-rich particles. <i>IScience</i> , 2022, 25, 103587.	4.1	7
3	Planktonic Aggregates as Hotspots for Heterotrophic Diazotrophy: The Plot Thickens. <i>Frontiers in Microbiology</i> , 2022, 13, 875050.	3.5	13
4	Complex Response of the Chlorarachniophyte <i>Bigelowiella natans</i> to Iron Availability. <i>MSystems</i> , 2021, 6, .	3.8	5
5	Temporal Patterns and Intra- and Inter-Cellular Variability in Carbon and Nitrogen Assimilation by the Unicellular Cyanobacterium <i>Cyanothece</i> sp. ATCC 51142. <i>Frontiers in Microbiology</i> , 2021, 12, 620915.	3.5	9
6	Electron & Biomass Dynamics of <i>Cyanothece</i> Under Interacting Nitrogen & Carbon Limitations. <i>Frontiers in Microbiology</i> , 2021, 12, 617802.	3.5	4
7	Does growth rate affect diatom compositional response to temperature?. <i>Phycologia</i> , 2021, 60, 462-472.	1.4	1
8	Quantifying <i>Cyanothece</i> growth under DIC limitation. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6456-6464.	4.1	2
9	Calculation and Interpretation of Substrate Assimilation Rates in Microbial Cells Based on Isotopic Composition Data Obtained by nanoSIMS. <i>Frontiers in Microbiology</i> , 2021, 12, 621634.	3.5	4
10	Distinct nitrogen cycling and steep chemical gradients in <i>Trichodesmium</i> colonies. <i>ISME Journal</i> , 2020, 14, 399-412.	9.8	19
11	Mineral iron dissolution in <i>Trichodesmium</i> colonies: The role of O_2 and pH microenvironments. <i>Limnology and Oceanography</i> , 2020, 65, 1149-1160.	3.1	13
12	Carbon Transfer from the Host Diatom Enables Fast Growth and High Rate of N_2 Fixation by Symbiotic Heterocystous Cyanobacteria. <i>Plants</i> , 2020, 9, 192.	3.5	18
13	Hydrogen Dynamics in <i>Trichodesmium</i> Colonies and Their Potential Role in Mineral Iron Acquisition. <i>Frontiers in Microbiology</i> , 2019, 10, 1565.	3.5	26
14	N_2 fixation in free-floating filaments of <i>Trichodesmium</i> is higher than in transiently suboxic colony microenvironments. <i>New Phytologist</i> , 2019, 222, 852-863.	7.3	27
15	Chemical microenvironments and single-cell carbon and nitrogen uptake in field-collected colonies of <i>Trichodesmium</i> under different CO_2 . <i>ISME Journal</i> , 2017, 11, 1305-1317.	9.8	47
16	Cellular inorganic carbon fluxes in <i>Trichodesmium</i> : a combined approach using measurements and modelling. <i>Journal of Experimental Botany</i> , 2015, 66, 749-759.	4.8	26
17	Combined effects of different CO_2 levels and N sources on the diazotrophic cyanobacterium <i>Trichodesmium</i> . <i>Physiologia Plantarum</i> , 2014, 152, 316-330.	5.2	55
18	Diversity of ocean acidification effects on marine N_2 fixers. <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 457, 199-207.	1.5	47

#	ARTICLE	IF	CITATIONS
19	Interactions between CCM and N2 fixation in <i>Trichodesmium</i> . <i>Photosynthesis Research</i> , 2011, 109, 73-84.	2.9	45
20	Colonies of the Marine Cyanobacterium <i>Trichodesmium</i> Optimize Dust Utilization by Selective Collection and Retention of Nutrient-Rich Particles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1