Meri J Eichner

List of Publications by Year
in descending order

20	371	933447 10	794594 19
papers	citations	h-index	g-index

21	21	21	445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Combined effects of different <scp>CO₂</scp> levels and N sources on the diazotrophic cyanobacterium Trichodesmium. Physiologia Plantarum, 2014, 152, 316-330.	5.2	55
2	Diversity of ocean acidification effects on marine N2 fixers. Journal of Experimental Marine Biology and Ecology, 2014, 457, 199-207.	1.5	47
3	Chemical microenvironments and single-cell carbon and nitrogen uptake in field-collected colonies of Trichodesmium under different pCO2. ISME Journal, 2017, 11, 1305-1317.	9.8	47
4	Interactions between CCM and N2 fixation in Trichodesmium. Photosynthesis Research, 2011, 109, 73-84.	2.9	45
5	N₂ fixation in freeâ€floating filaments of Trichodesmium is higher than in transiently suboxic colony microenvironments. New Phytologist, 2019, 222, 852-863.	7.3	27
6	Cellular inorganic carbon fluxes in Trichodesmium: a combined approach using measurements and modelling. Journal of Experimental Botany, 2015, 66, 749-759.	4.8	26
7	Hydrogen Dynamics in Trichodesmium Colonies and Their Potential Role in Mineral Iron Acquisition. Frontiers in Microbiology, 2019, 10, 1565.	3.5	26
8	Distinct nitrogen cycling and steep chemical gradients in Trichodesmium colonies. ISME Journal, 2020, 14, 399-412.	9.8	19
9	Carbon Transfer from the Host Diatom Enables Fast Growth and High Rate of N2 Fixation by Symbiotic Heterocystous Cyanobacteria. Plants, 2020, 9, 192.	3.5	18
10	Mineral iron dissolution in Trichodesmium colonies: The role of O 2 and pH microenvironments. Limnology and Oceanography, 2020, 65, 1149-1160.	3.1	13
11	Planktonic Aggregates as Hotspots for Heterotrophic Diazotrophy: The Plot Thickens. Frontiers in Microbiology, 2022, 13, 875050.	3.5	13
12	Temporal Patterns and Intra- and Inter-Cellular Variability in Carbon and Nitrogen Assimilation by the Unicellular Cyanobacterium Cyanothece sp. ATCC 51142. Frontiers in Microbiology, 2021, 12, 620915.	3.5	9
13	Colonies of the marine cyanobacterium Trichodesmium optimize dust utilization by selective collection and retention of nutrient-rich particles. IScience, 2022, 25, 103587.	4.1	7
14	Complex Response of the Chlorarachniophyte Bigelowiella natans to Iron Availability. MSystems, 2021, 6, .	3.8	5
15	Electron & Biomass Dynamics of Cyanothece Under Interacting Nitrogen & Carbon Limitations. Frontiers in Microbiology, 2021, 12, 617802.	3.5	4
16	Calculation and Interpretation of Substrate Assimilation Rates in Microbial Cells Based on Isotopic Composition Data Obtained by nanoSIMS. Frontiers in Microbiology, 2021, 12, 621634.	3.5	4
17	Carbonate chemistry in the microenvironment within cyanobacterial aggregates under presentâ€day and future <scp>pCO₂</scp> levels. Limnology and Oceanography, 2022, 67, 203-218.	3.1	2
18	Quantifying Cyanothece growth under DIC limitation. Computational and Structural Biotechnology Journal, 2021, 19, 6456-6464.	4.1	2

#	Article	IF	Citations
19	Does growth rate affect diatom compositional response to temperature?. Phycologia, 2021, 60, 462-472.	1.4	1
20	Colonies of the Marine Cyanobacterium Trichodesmium Optimize Dust Utilization by Selective Collection and Retention of Nutrient-Rich Particles. SSRN Electronic Journal, 0, , .	0.4	1