

Natalie Cohen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

607
citations

687363

13
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Different iron storage strategies among bloom-forming diatoms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12275-E12284.	7.1	61
2	Diatom Transcriptional and Physiological Responses to Changes in Iron Bioavailability across Ocean Provinces. Frontiers in Marine Science, 2017, 4, .	2.5	55
3	Iron and vitamin interactions in marine diatom isolates and natural assemblages of the Northeast Pacific Ocean. Limnology and Oceanography, 2017, 62, 2076-2096.	3.1	47
4	Dinoflagellates alter their carbon and nutrient metabolic strategies across environmental gradients in the central Pacific Ocean. Nature Microbiology, 2021, 6, 173-186.	13.3	45
5	Expanding Tara Oceans Protocols for Underway, Ecosystemic Sampling of the Ocean-Atmosphere Interface During Tara Pacific Expedition (2016-2018). Frontiers in Marine Science, 2019, 6, .	2.5	42
6	Transcriptomic and proteomic responses of the oceanic diatom <i>Pseudo-nitzschia granii</i> to iron limitation. Environmental Microbiology, 2018, 20, 3109-3126.	3.8	39
7	Divergent gene expression among phytoplankton taxa in response to upwelling. Environmental Microbiology, 2018, 20, 3069-3082.	3.8	34
8	Cobalamin-independent Methionine Synthase Distribution and Influence on Vitamin B12 Growth Requirements in Marine Diatoms. Protist, 2017, 168, 32-47.	1.5	33
9	Development of a molecular-based index for assessing iron status in bloom-forming pennate diatoms. Journal of Phycology, 2017, 53, 820-832.	2.3	31
10	Iron storage capacities and associated ferritin gene expression among marine diatoms. Limnology and Oceanography, 2018, 63, 1677-1691.	3.1	26
11	Co-occurrence of Fe and P stress in natural populations of the marine diazotroph <i>Trichodesmium</i> . Biogeosciences, 2020, 17, 2537-2551.	3.3	26
12	Maturation and Activity of Sterol Regulatory Element Binding Protein 1 Is Inhibited by Acyl-CoA Binding Domain Containing 3. PLoS ONE, 2012, 7, e49906.	2.5	23
13	Taxonomic and nutrient controls on phytoplankton iron quotas in the ocean. Limnology and Oceanography Letters, 2021, 6, 96-106.	3.9	22
14	EUKulele: Taxonomic annotation of the unsung eukaryotic microbes. Journal of Open Source Software, 2021, 6, 2817.	4.6	19
15	Impaired viral infection and reduced mortality of diatoms in iron-limited oceanic regions. Nature Geoscience, 2021, 14, 231-237.	12.9	17
16	Interactive effects of iron and light limitation on the molecular physiology of the Southern Ocean diatom <i>Fragilariopsis kerguelensis</i> . Limnology and Oceanography, 2020, 65, 1511-1531.	3.1	16
17	The iron limitation mosaic in the California Current System: Factors governing Fe availability in the shelf/near-shelf region. Limnology and Oceanography, 2019, 64, 109-123.	3.1	13
18	Hydrothermal trace metal release and microbial metabolism in the northeastern Lau Basin of the South Pacific Ocean. Biogeosciences, 2021, 18, 5397-5422.	3.3	11

#	ARTICLE	IF	CITATIONS
19	Mixotrophic plankton foraging behaviour linked to carbon export. Nature Communications, 2022, 13, 1302.	12.8	10
20	Adaptive responses of marine diatoms to zinc scarcity and ecological implications. Nature Communications, 2022, 13, 1995.	12.8	10
21	Mechanisms and heterogeneity of in situ mineral processing by the marine nitrogen fixer <i>Trichodesmium</i> revealed by single-colony metaproteomics. ISME Communications, 2021, 1, .	4.2	9
22	Marine Microeukaryote Metatranscriptomics: Sample Processing and Bioinformatic Workflow Recommendations for Ecological Applications. Frontiers in Marine Science, 0, 9, .	2.5	8
23	Diminished carbon and nitrate assimilation drive changes in diatom elemental stoichiometry independent of silicification in an iron-limited assemblage. ISME Communications, 2022, 2, .	4.2	6