

David A Hutchins

List of Publications by Year in descending order

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139
papers

12,331
citations

34016

52
h-index

28224

105
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153
all docs

153
docs citations

153
times ranked

10478
citing authors

#	ARTICLE	IF	CITATIONS
1	Scientistsâ€™ warning to humanity: microorganisms and climate change. <i>Nature Reviews Microbiology</i> , 2019, 17, 569-586.	13.6	1,138
2	Iron-limited diatom growth and Si:N uptake ratios in a coastal upwelling regime. <i>Nature</i> , 1998, 393, 561-564.	13.7	917
3	Phosphorus limitation of nitrogen fixation by <i>Trichodesmium</i> in the central Atlantic Ocean. <i>Nature</i> , 2001, 411, 66-69.	13.7	588
4	The Effect of Ocean Acidification on Calcifying Organisms in Marine Ecosystems: An Organism-to-Ecosystem Perspective. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2010, 41, 127-147.	3.8	434
5	Competition among marine phytoplankton for different chelated iron species. <i>Nature</i> , 1999, 400, 858-861.	13.7	429
6	EFFECTS OF INCREASED TEMPERATURE AND CO ₂ ON PHOTOSYNTHESIS, GROWTH, AND ELEMENTAL RATIOS IN MARINE SYNECHOCOCCUS AND PROCHLOROCOCCUS (CYANOBACTERIA). <i>Journal of Phycology</i> , 2007, 43, 485-496.	1.0	370
7	Global declines in oceanic nitrification rates as a consequence of ocean acidification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 208-213.	3.3	316
8	Rising CO ₂ and increased light exposure synergistically reduce marine primary productivity. <i>Nature Climate Change</i> , 2012, 2, 519-523.	8.1	307
9	Microorganisms and ocean global change. <i>Nature Microbiology</i> , 2017, 2, 17058.	5.9	302
10	Experimental strategies to assess the biological ramifications of multiple drivers of global ocean changeâ€”A review. <i>Global Change Biology</i> , 2018, 24, 2239-2261.	4.2	285
11	Environmental control of open-ocean phytoplankton groups: Now and in the future. <i>Limnology and Oceanography</i> , 2010, 55, 1353-1376.	1.6	266
12	Marine Phytoplankton Temperature versus Growth Responses from Polar to Tropical Waters â€” Outcome of a Scientific Community-Wide Study. <i>PLoS ONE</i> , 2013, 8, e63091.	1.1	258
13	Interactive effects of increased pCO ₂ , temperature and irradiance on the marine coccolithophore <i>Emiliana huxleyi</i> (Prymnesiophyceae). <i>European Journal of Phycology</i> , 2008, 43, 87-98.	0.9	248
14	Nutrient Cycles and Marine Microbes in a CO ₂ -Enriched Ocean. <i>Oceanography</i> , 2009, 22, 128-145.	0.5	238
15	Global change and the future of harmful algal blooms in the ocean. <i>Marine Ecology - Progress Series</i> , 2012, 470, 207-233.	0.9	228
16	Responses of marine primary producers to interactions between ocean acidification, solar radiation, and warming. <i>Marine Ecology - Progress Series</i> , 2012, 470, 167-189.	0.9	218
17	Microbial biogeochemistry of coastal upwelling regimes in a changing ocean. <i>Nature Geoscience</i> , 2013, 6, 711-717.	5.4	217
18	Phytoplanktonâ€™ bacterial interactions mediate micronutrient colimitation at the coastal Antarctic sea ice edge. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9938-9943.	3.3	202

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19	Viral release of iron and its bioavailability to marine plankton. <i>Limnology and Oceanography</i> , 2004, 49, 1734-1741.	1.6	191
20	A trace metal clean reagent to remove surface-bound iron from marine phytoplankton. <i>Marine Chemistry</i> , 2003, 82, 91-99.	0.9	178
21	Effects of changing pCO_2 and phosphate availability on domoic acid production and physiology of the marine harmful bloom diatom <i>Pseudo-nitzschia multiseries</i> . <i>Limnology and Oceanography</i> , 2011, 56, 829-840.	1.6	159
22	Marine phytoplankton and the changing ocean iron cycle. <i>Nature Climate Change</i> , 2016, 6, 1072-1079.	8.1	159
23	Understanding the responses of ocean biota to a complex matrix of cumulative anthropogenic change. <i>Marine Ecology - Progress Series</i> , 2012, 470, 125-135.	0.9	155
24	Interactions between changing pCO_2 , N_2 fixation, and Fe limitation in the marine unicellular cyanobacterium <i>Crocospira</i> . <i>Limnology and Oceanography</i> , 2008, 53, 2472-2484.	1.6	143
25	Effects of Ocean Acidification on Marine Photosynthetic Organisms Under the Concurrent Influences of Warming, UV Radiation, and Deoxygenation. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	136
26	Irreversibly increased nitrogen fixation in <i>Trichodesmium</i> experimentally adapted to elevated carbon dioxide. <i>Nature Communications</i> , 2015, 6, 8155.	5.8	131
27	Improved quantitative real-time PCR assays for enumeration of harmful algal species in field samples using an exogenous DNA reference standard. <i>Limnology and Oceanography: Methods</i> , 2005, 3, 381-391.	1.0	130
28	Climate change microbiology – problems and perspectives. <i>Nature Reviews Microbiology</i> , 2019, 17, 391-396.	13.6	130
29	Taxon-specific response of marine nitrogen fixers to elevated carbon dioxide concentrations. <i>Nature Geoscience</i> , 2013, 6, 790-795.	5.4	126
30	Biosynthesis of the neurotoxin domoic acid in a bloom-forming diatom. <i>Science</i> , 2018, 361, 1356-1358.	6.0	124
31	High CO_2 and Silicate Limitation Synergistically Increase the Toxicity of <i>Pseudo-nitzschia fraudulenta</i> . <i>PLoS ONE</i> , 2012, 7, e32116.	1.1	120
32	Iron and regenerated production: Evidence for biological iron recycling in two marine environments. <i>Limnology and Oceanography</i> , 1993, 38, 1242-1255.	1.6	119
33	A comparison of future increased CO_2 and temperature effects on sympatric <i>Heterosigma akashiwo</i> and <i>Prorocentrum minimum</i> . <i>Harmful Algae</i> , 2008, 7, 76-90.	2.2	116
34	The effects of changing climate on microzooplankton grazing and community structure: drivers, predictions and knowledge gaps. <i>Journal of Plankton Research</i> , 2013, 35, 235-252.	0.8	116
35	Bottom-up controls on a mixed-species HAB assemblage: A comparison of sympatric <i>Chattonella subsalsa</i> and <i>Heterosigma akashiwo</i> (Raphidophyceae) isolates from the Delaware Inland Bays, USA. <i>Harmful Algae</i> , 2006, 5, 310-320.	2.2	94
36	Spatial and temporal variability in phytoplankton iron limitation along the California coast and consequences for Si, N, and C biogeochemistry. <i>Global Biogeochemical Cycles</i> , 2003, 17, .	1.9	93

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37	Iron nutrition of <i>Trichodesmium</i> . , 1992, , 289-306.		88
38	Short- and long-term conditioning of a temperate marine diatom community to acidification and warming. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120437.	1.8	86
39	Differing responses of marine N ₂ fixers to warming and consequences for future diazotroph community structure. <i>Aquatic Microbial Ecology</i> , 2014, 72, 33-46.	0.9	86
40	Differential remineralization of major and trace elements in sinking diatoms. <i>Limnology and Oceanography</i> , 2014, 59, 689-704.	1.6	84
41	The marine nitrogen cycle: new developments and global change. <i>Nature Reviews Microbiology</i> , 2022, 20, 401-414.	13.6	84
42	PHOSPHATE UPTAKE AND GROWTH KINETICS OF <i>TRICHODESMIUM</i> (CYANOBACTERIA) ISOLATES FROM THE NORTH ATLANTIC OCEAN AND THE GREAT BARRIER REEF, AUSTRALIA. <i>Journal of Phycology</i> , 2005, 41, 62-73.	1.0	82
43	Understanding the blob bloom: Warming increases toxicity and abundance of the harmful bloom diatom <i>Pseudo-nitzschia</i> in California coastal waters. <i>Harmful Algae</i> , 2017, 67, 36-43.	2.2	80
44	Mechanisms of increased <i>Trichodesmium</i> fitness under iron and phosphorus co-limitation in the present and future ocean. <i>Nature Communications</i> , 2016, 7, 12081.	5.8	74
45	Ocean warming alleviates iron limitation of marine nitrogen fixation. <i>Nature Climate Change</i> , 2018, 8, 709-712.	8.1	68
46	The <i>Trichodesmium</i> consortium: conserved heterotrophic co-occurrence and genomic signatures of potential interactions. <i>ISME Journal</i> , 2017, 11, 1813-1824.	4.4	66
47	The biological and biogeochemical consequences of phosphate scavenging onto phytoplankton cell surfaces. <i>Limnology and Oceanography</i> , 2005, 50, 1459-1472.	1.6	65
48	CO ₂ and vitamin B ₁₂ interactions determine bioactive trace metal requirements of a subarctic Pacific diatom. <i>ISME Journal</i> , 2011, 5, 1388-1396.	4.4	65
49	High CO ₂ promotes the production of paralytic shellfish poisoning toxins by <i>Alexandrium catenella</i> from Southern California waters. <i>Harmful Algae</i> , 2013, 30, 37-43.	2.2	65
50	Iron deficiency increases growth and nitrogen-fixation rates of phosphorus-deficient marine cyanobacteria. <i>ISME Journal</i> , 2015, 9, 238-245.	4.4	64
51	Iron stable isotopes track pelagic iron cycling during a subtropical phytoplankton bloom. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E15-20.	3.3	63
52	Microbial control of diatom bloom dynamics in the open ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	61
53	Comparative responses of two dominant Antarctic phytoplankton taxa to interactions between ocean acidification, warming, irradiance, and iron availability. <i>Limnology and Oceanography</i> , 2014, 59, 1919-1931.	1.6	61
54	Long-Term Conditioning to Elevated pCO ₂ and Warming Influences the Fatty and Amino Acid Composition of the Diatom <i>Cylindrotheca fusiformis</i> . <i>PLoS ONE</i> , 2015, 10, e0123945.	1.1	57

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55	SHORT- VERSUS LONG-TERM RESPONSES TO CHANGING CO ₂ IN A COASTAL DINOFLAGELLATE BLOOM: IMPLICATIONS FOR INTERSPECIFIC COMPETITIVE INTERACTIONS AND COMMUNITY STRUCTURE. Evolution; International Journal of Organic Evolution, 2013, 67, 1879-1891.	1.1	51
56	Physiological responses of coastal and oceanic diatoms to diurnal fluctuations in seawater carbonate chemistry under two CO ₂ concentrations. Biogeosciences, 2016, 13, 6247-6259.	1.3	50
57	Transport of the Harmful Bloom Alga <i>Aureococcus anophagefferens</i> by Oceangoing Ships and Coastal Boats. Applied and Environmental Microbiology, 2004, 70, 6495-6500.	1.4	49
58	<i>Trichodesmium</i> genome maintains abundant, widespread noncoding DNA in situ, despite oligotrophic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4251-4256.	3.3	45
59	A comparative study of iron and temperature interactive effects on diatoms and <i>Phaeocystis antarctica</i> from the Ross Sea, Antarctica. Marine Ecology - Progress Series, 2016, 550, 39-51.	0.9	43
60	Simultaneous enumeration of multiple raphidophyte species by quantitative real-time PCR: capabilities and limitations. Limnology and Oceanography: Methods, 2006, 4, 193-204.	1.0	41
61	Molecular and physiological evidence of genetic assimilation to high CO ₂ in the marine nitrogen fixer <i>Trichodesmium</i> . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7367-E7374.	3.3	41
62	Spatial and temporal variations in variable fluorescence in the Ross Sea (Antarctica): Oceanographic correlates and bloom dynamics. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 79, 141-155.	0.6	40
63	The acclimation process of phytoplankton biomass, carbon fixation and respiration to the combined effects of elevated temperature and pCO ₂ in the northern South China Sea. Marine Pollution Bulletin, 2017, 118, 213-220.	2.3	40
64	Adaptive evolution in the coccolithophore <i>Gephyrocapsa oceanica</i> following 1,000 generations of selection under elevated CO ₂ . Global Change Biology, 2018, 24, 3055-3064.	4.2	40
65	Forecasting the rain ratio. Nature, 2011, 476, 41-42.	13.7	37
66	Why are biotic iron pools uniform across high- and low-iron pelagic ecosystems?. Global Biogeochemical Cycles, 2015, 29, 1028-1043.	1.9	37
67	Correcting a major error in assessing organic carbon pollution in natural waters. Science Advances, 2021, 7, .	4.7	37
68	Pelagic iron cycling during the subtropical spring bloom, east of New Zealand. Marine Chemistry, 2014, 160, 18-33.	0.9	35
69	Ocean acidification impacts bacteria-phytoplankton coupling at low-nutrient conditions. Biogeosciences, 2017, 14, 1-15.	1.3	35
70	Assessment of Microzooplankton Grazing on <i>Heterosigma akashiwo</i> Using a Species- Specific Approach Combining Quantitative Real-Time PCR (QPCR) and Dilution Methods. Microbial Ecology, 2008, 55, 583-594.	1.4	34
71	Enhanced Ammonia Oxidation Caused by Lateral Kuroshio Intrusion in the Boundary Zone of the Northern South China Sea. Geophysical Research Letters, 2018, 45, 6585-6593.	1.5	33
72	INTERACTIVE EFFECTS OF IRRADIANCE AND CO ₂ ON CO ₂ FIXATION AND N ₂ FIXATION IN THE DIAZOTROPH <i>TRICHODESMIUM ERYTHRAEUM</i> (CYANOBACTERIA). Journal of Phycology, 2011, 47, 1292-1303.	1.0	32

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73	A shipboard natural community continuous culture system for ecologically relevant low-level nutrient enrichment experiments. <i>Limnology and Oceanography: Methods</i> , 2003, 1, 82-91.	1.0	30
74	Transient exposure to novel high temperatures reshapes coastal phytoplankton communities. <i>ISME Journal</i> , 2020, 14, 413-424.	4.4	29
75	Carbon assimilation and losses during an ocean acidification mesocosm experiment, with special reference to algal blooms. <i>Marine Environmental Research</i> , 2017, 129, 229-235.	1.1	28
76	Individual and interactive effects of warming and CO ₂ on <i>Pseudo-nitzschia subcurvata</i> and <i>Phaeocystis antarctica</i> , two dominant phytoplankton from the Ross Sea, Antarctica. <i>Biogeosciences</i> , 2017, 14, 5281-5295.	1.3	28
77	Nutrient-Colimited <i>Trichodesmium</i> as a Nitrogen Source or Sink in a Future Ocean. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	28
78	Marine <i>Synechococcus</i> isolates representing globally abundant genomic lineages demonstrate a unique evolutionary path of genome reduction without a decrease in GC content. <i>Environmental Microbiology</i> , 2019, 21, 1677-1686.	1.8	28
79	Production of viruses during a spring phytoplankton bloom in the South Pacific Ocean near of New Zealand. <i>FEMS Microbiology Ecology</i> , 2012, 79, 709-719.	1.3	27
80	Combined effects of CO ₂ and light on large and small isolates of the unicellular N ₂ -fixing cyanobacterium <i>Crocospaera watsonii</i> from the western tropical Atlantic Ocean. <i>European Journal of Phycology</i> , 2013, 48, 128-139.	0.9	27
81	Interactive effects of temperature, CO ₂ and nitrogen source on a coastal California diatom assemblage. <i>Journal of Plankton Research</i> , 2018, 40, 151-164.	0.8	26
82	Outer Membrane Iron Uptake Pathways in the Model Cyanobacterium <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	26
83	Ocean acidification increases iodine accumulation in kelp-based coastal food webs. <i>Global Change Biology</i> , 2019, 25, 629-639.	4.2	26
84	Co-occurrence of Fe and P stress in natural populations of the marine diazotroph <i>Trichodesmium</i> . <i>Biogeosciences</i> , 2020, 17, 2537-2551.	1.3	26
85	Colimitation of the unicellular photosynthetic diazotroph <i>Crocospaera watsonii</i> by phosphorus, light, and carbon dioxide. <i>Limnology and Oceanography</i> , 2013, 58, 1501-1512.	1.6	24
86	The Impacts of Ocean Acidification on Marine Food Quality and Its Potential Food Chain Consequences. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	24
87	Elemental quotas and physiology of a southwestern Pacific Ocean plankton community as a function of iron availability. <i>Aquatic Microbial Ecology</i> , 2013, 68, 185-194.	0.9	22
88	Responses of the large centric diatom <i>Coscinodiscus</i> sp. to interactions between warming, elevated CO ₂ , and nitrate availability. <i>Limnology and Oceanography</i> , 2018, 63, 1407-1424.	1.6	20
89	Physiological and biochemical responses of <i>Emiliana huxleyi</i> to ocean acidification and warming are modulated by UV radiation. <i>Biogeosciences</i> , 2019, 16, 561-572.	1.3	19
90	Transcriptional Activities of the Microbial Consortium Living with the Marine Nitrogen-Fixing Cyanobacterium <i>Trichodesmium</i> Reveal Potential Roles in Community-Level Nitrogen Cycling. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	18

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91	Distinct Responses of the Nitrogen-Fixing Marine Cyanobacterium <i>Trichodesmium</i> to a Thermally Variable Environment as a Function of Phosphorus Availability. <i>Frontiers in Microbiology</i> , 2019, 10, 1282.	1.5	18
92	Substrate regulation leads to differential responses of microbial ammonia-oxidizing communities to ocean warming. <i>Nature Communications</i> , 2020, 11, 3511.	5.8	18
93	A global compilation of coccolithophore calcification rates. <i>Earth System Science Data</i> , 2018, 10, 1859-1876.	3.7	18
94	Effects of varying growth irradiance and nitrogen sources on calcification and physiological performance of the coccolithophore <i>Gephyrocapsa oceanica</i> grown under nitrogen limitation. <i>Limnology and Oceanography</i> , 2016, 61, 2234-2242.	1.6	17
95	Effects of elevated CO ₂ on phytoplankton during a mesocosm experiment in the southern eutrophicated coastal water of China. <i>Scientific Reports</i> , 2017, 7, 6868.	1.6	17
96	Molecular underpinnings and biogeochemical consequences of enhanced diatom growth in a warming Southern Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
97	Physiological and biochemical responses of diatoms to projected ocean changes. <i>Marine Ecology - Progress Series</i> , 2014, 515, 73-81.	0.9	16
98	Enhancement of diatom growth and phytoplankton productivity with reduced O ₂ availability is moderated by rising CO ₂ . <i>Communications Biology</i> , 2022, 5, 54.	2.0	16
99	Long-Term m ⁵ C Methylome Dynamics Parallel Phenotypic Adaptation in the Cyanobacterium <i>Trichodesmium</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 927-939.	3.5	15
100	Independent iron and light limitation in a low-light-adapted <i>Prochlorococcus</i> from the deep chlorophyll maximum. <i>ISME Journal</i> , 2021, 15, 359-362.	4.4	14
101	Phytoplankton-Nitrifier Interactions Control the Geographic Distribution of Nitrite in the Upper Ocean. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007072.	1.9	14
102	The interactive effects of temperature and nutrients on a spring phytoplankton community. <i>Limnology and Oceanography</i> , 2022, 67, 634-645.	1.6	14
103	Linking the Oceanic Biogeochemistry of Iron and Phosphorus with the Marine Nitrogen Cycle. , 2008, , 1627-1666.		13
104	Biogeographic conservation of the cytosine epigenome in the globally important marine, nitrogen-fixing cyanobacterium <i>Trichodesmium</i> . <i>Environmental Microbiology</i> , 2017, 19, 4700-4713.	1.8	13
105	Interactions between ultraviolet radiation exposure and phosphorus limitation in the marine nitrogen-fixing cyanobacteria <i>Trichodesmium</i> and <i>Crocospaera</i> . <i>Limnology and Oceanography</i> , 2020, 65, 363-376.	1.6	13
106	Acclimation and adaptation to elevated CO ₂ increase arsenic resilience in marine diatoms. <i>ISME Journal</i> , 2021, 15, 1599-1613.	4.4	13
107	Warming Iron-Limited Oceans Enhance Nitrogen Fixation and Drive Biogeographic Specialization of the Globally Important Cyanobacterium <i>Crocospaera</i> . <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	13
108	Regression modeling of the North East Atlantic Spring Bloom suggests previously unrecognized biological roles for V and Mo. <i>Frontiers in Microbiology</i> , 2013, 4, 45.	1.5	12

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109	Comment on “The complex effects of ocean acidification on the prominent N ₂ -fixing cyanobacterium <i>Trichodesmium</i> ” Science, 2017, 357, .	6.0	12
110	Combined effects of CO ₂ level, light intensity, and nutrient availability on the coccolithophore <i>Emiliana huxleyi</i> . <i>Hydrobiologia</i> , 2019, 842, 127-141.	1.0	12
111	Impact of temperature, CO ₂ , and iron on nutrient uptake by a late-season microbial community from the Ross Sea, Antarctica. <i>Aquatic Microbial Ecology</i> , 2018, 82, 145-159.	0.9	12
112	DESCRIPTION OF <i>VIRIDILOBUS MARINUS</i> (GEN. ET SP. NOV.), A NEW RAPHIDOPHYTE FROM DELAWARE'S INLAND BAYS. <i>Journal of Phycology</i> , 2012, 48, 1220-1231.	1.0	11
113	Electron transport kinetics in the diazotrophic cyanobacterium <i>Trichodesmium</i> spp. grown across a range of light levels. <i>Photosynthesis Research</i> , 2015, 124, 45-56.	1.6	10
114	Functional Genomics and Phylogenetic Evidence Suggest Genus-Wide Cobalamin Production by the Globally Distributed Marine Nitrogen Fixer <i>Trichodesmium</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 189.	1.5	10
115	How will the key marine calcifier <i>Emiliana huxleyi</i> respond to a warmer and more thermally variable ocean?. <i>Biogeosciences</i> , 2019, 16, 4393-4409.	1.3	10
116	Effects of ultraviolet radiation on photosynthetic performance and N ₂ fixation in <i>Trichodesmium erythraeum</i> IMS 101. <i>Biogeosciences</i> , 2017, 14, 4455-4466.	1.3	9
117	Interactive network configuration maintains bacterioplankton community structure under elevated CO ₂ in a eutrophic coastal mesocosm experiment. <i>Biogeosciences</i> , 2018, 15, 551-565.	1.3	9
118	Mechanisms and heterogeneity of in situ mineral processing by the marine nitrogen fixer <i>Trichodesmium</i> revealed by single-colony metaproteomics. <i>ISME Communications</i> , 2021, 1, .	1.7	9
119	Light-Limited Growth Rate Modulates Nitrate Inhibition of Dinitrogen Fixation in the Marine Unicellular Cyanobacterium <i>Crocospaera watsonii</i> . <i>PLoS ONE</i> , 2014, 9, e114465.	1.1	8
120	The Combined Effects of Increased pCO ₂ and Warming on a Coastal Phytoplankton Assemblage: From Species Composition to Sinking Rate. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	8
121	Two dominant nitrogen-fixing cyanobacteria demonstrate distinct acclimation and adaptation responses to cope with ocean warming. <i>Environmental Microbiology Reports</i> , 2022, 14, 203-217.	1.0	8
122	Light availability modulates the effects of warming in a marine N ₂ fixer. <i>Biogeosciences</i> , 2020, 17, 1169-1180.	1.3	7
123	Why Environmental Biomarkers Work: Transcriptome-Proteome Correlations and Modeling of Multistressor Experiments in the Marine Bacterium <i>Trichodesmium</i> . <i>Journal of Proteome Research</i> , 2022, 21, 77-89.	1.8	7
124	Cysteine-Free Intramolecular Ligation of N-Sulfanylethylanilide Peptide Using 4-Mercaptobenzylphosphonic Acid: Synthesis of Cyclic Peptide Trichamide. <i>Synlett</i> , 2017, 28, 1944-1949.	1.0	6
125	Irradiance modulates thermal niche in a previously undescribed low-light and cold-adapted nano-diatom. <i>Limnology and Oceanography</i> , 2021, 66, 2266-2277.	1.6	6
126	Coccolith arrangement follows Eulerian mathematics in the coccolithophore <i>Emiliana huxleyi</i> . <i>PeerJ</i> , 2018, 6, e4608.	0.9	6

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127	Stoichiometric N:P Ratios, Temperature, and Iron Impact Carbon and Nitrogen Uptake by Ross Sea Microbial Communities. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2955-2975.	1.3	5
128	Interactions Between Ultraviolet B Radiation, Warming, and Changing Nitrogen Source May Reduce the Accumulation of Toxic <i>Pseudo-nitzschia multiseries</i> Biomass in Future Coastal Oceans. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	5
129	The Enzymology of Ocean Global Change. <i>Annual Review of Marine Science</i> , 2022, 14, 187-211.	5.1	4
130	Interactive effects of elevated temperature and CO ₂ on nitrate, urea, and dissolved inorganic carbon uptake by a coastal California, USA, microbial community. <i>Marine Ecology - Progress Series</i> , 2017, 577, 49-65.	0.9	4
131	Impacts of Climate Change on Marine Organisms. , 2013, , 35-63.		4
132	Nitrogen-limitation exacerbates the impact of ultraviolet radiation on the coccolithophore <i>Gephyrocapsa oceanica</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 226, 112368.	1.7	4
133	Genome Sequence of <i>Synechococcus</i> sp. Strain LA31, Isolated from a Temperate Estuary. <i>Microbiology Resource Announcements</i> , 2022, 11, e0077521.	0.3	3
134	Temperature variability interacts with mean temperature to influence the predictability of microbial phenotypes. <i>Global Change Biology</i> , 2022, 28, 5741-5754.	4.2	3
135	Alphaproteobacteria facilitate <i>Trichodesmium</i> community trimethylamine utilization. <i>Environmental Microbiology</i> , 2021, 23, 6798-6810.	1.8	2
136	Sinking diatoms trap silicon in deep seawater of acidified oceans. <i>Nature</i> , 2022, 605, 622-623.	13.7	1
137	Plastic plankton prosper. <i>Nature Climate Change</i> , 2013, 3, 183-184.	8.1	0
138	Adapt to warming and catch your breath. <i>Nature Microbiology</i> , 2018, 3, 973-974.	5.9	0
139	Measurements of Calcification and Silicification. , 2021, , 269-276.		0