Jonathan P Zehr

List of Publications by Year
in descending order

241	20,159	9756	12910
papers	citations	73 h-index	131 g-index

261	261	261	10032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Complex marine microbial communities partition metabolism of scarce resources over the diel cycle. Nature Ecology and Evolution, 2022, 6, 218-229.	3.4	21
2	Overlooked and widespread pennate diatom-diazotroph symbioses in the sea. Nature Communications, 2022, 13, 799.	5.8	26
3	Cell sorting reveals few novel prokaryote and photosynthetic picoeukaryote associations in the oligotrophic ocean. Environmental Microbiology, 2021, 23, 1469-1480.	1.8	7
4	Intriguing size distribution of the uncultured and globally widespread marine non-cyanobacterial diazotroph Gamma-A. ISME Journal, 2021, 15, 124-128.	4.4	35
5	Nitrogen Fixation in the Marine Environment. , 2021, , 1-7.		0
6	Biogeography of N2 Fixation in the Surface Ocean. , 2021, , 117-141.		1
7	Measurements of Organism Abundances and Activities. , 2021, , 63-93.		0
8	Microorganisms and Habitats. , 2021, , 43-61.		0
9	Critical Role of Light in the Growth and Activity of the Marine N2-Fixing UCYN-A Symbiosis. Frontiers in Microbiology, 2021, 12, 666739.	1.5	5
10	Elucidation of trophic interactions in an unusual single-cell nitrogen-fixing symbiosis using metabolic modeling. PLoS Computational Biology, 2021, 17, e1008983.	1.5	9
11	Gamma4: a genetically versatile Gammaproteobacterial <scp>nifH</scp> phylotype that is widely distributed in the North Pacific Ocean. Environmental Microbiology, 2021, 23, 4246-4259.	1.8	11
12	Light and depth dependency of nitrogen fixation by the nonâ€photosynthetic, symbiotic cyanobacterium UCYNâ€A. Environmental Microbiology, 2021, 23, 4518-4531.	1.8	14
13	Trends in Freeâ€access Genomic Data Accelerate Advances in Cyanobacteria Taxonomy. Journal of Phycology, 2021, 57, 1392-1402.	1.0	13
14	UCYN-A/haptophyte symbioses dominate N2 fixation in the Southern California Current System. ISME Communications, 2021, 1, .	1.7	17
15	Factors Controlling N2 Fixation. , 2021, , 95-115.		1
16	History of Research on Marine N2 Fixation. , 2021, , 31-41.		0
17	N2 Fixation in Ocean Basins. , 2021, , 143-156.		1
18	Marine N2 Fixation, Global Change and the Future. , 2021, , 157-170.		0

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19	Fundamentals of N2 Fixation. , 2021, , 9-29.		1
20	What's in a name? The case of cyanobacteria. Journal of Phycology, 2020, 56, 1-5.	1.0	39
21	Changing perspectives in marine nitrogen fixation. Science, 2020, 368, .	6.0	223
22	Unusual marine cyanobacteria/haptophyte symbiosis relies on N2 fixation even in N-rich environments. ISME Journal, 2020, 14, 2395-2406.	4.4	58
23	Unexpected presence of the nitrogenâ€fixing symbiotic cyanobacterium UCYNâ€A in Monterey Bay, California. Journal of Phycology, 2020, 56, 1521-1533.	1.0	27
24	Latitudinal constraints on the abundance and activity of the cyanobacterium UCYNâ€A and other marine diazotrophs in the North Pacific. Limnology and Oceanography, 2020, 65, 1858-1875.	1.6	40
25	Phytoplankton transcriptomic and physiological responses to fixed nitrogen in the California current system. PLoS ONE, 2020, 15, e0231771.	1.1	3
26	Diverse diazotrophs are present on sinking particles in the North Pacific Subtropical Gyre. ISME Journal, 2019, 13, 170-182.	4.4	81
27	Periodic and coordinated gene expression between a diazotroph and its diatom host. ISME Journal, 2019, 13, 118-131.	4.4	29
28	Hopanoid lipids may facilitate aerobic nitrogen fixation in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18269-18271.	3.3	31
29	KÄ«lauea lava fuels phytoplankton bloom in the North Pacific Ocean. Science, 2019, 365, 1040-1044.	6.0	35
30	Diversity, Genomics, and Distribution of Phytoplankton-Cyanobacterium Single-Cell Symbiotic Associations. Annual Review of Microbiology, 2019, 73, 435-456.	2.9	49
31	The Transcriptional Cycle Is Suited to Daytime N ₂ Fixation in the Unicellular Cyanobacterium â€œ Candidatus Atelocyanobacterium thalassaâ€•(UCYN-A). MBio, 2019, 10, .	1.8	31
32	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. Scientific Reports, 2019, 9, 3737.	1.6	18
33	Use of the highâ€affinity phosphate transporter gene, pstS, as an indicator for phosphorus stress in the marine diazotroph Crocosphaera watsonii (Chroococcales, Cyanobacteria). Journal of Phycology, 2019, 55, 752-761.	1.0	17
34	UCYNâ€A3, a newly characterized open ocean sublineage of the symbiotic N₂â€fixing cyanobacterium Candidatus Atelocyanobacterium thalassa. Environmental Microbiology, 2019, 21, 111-124.	1.8	31
35	Effects of nutrient enrichment on surface microbial community gene expression in the oligotrophic North Pacific Subtropical Gyre. ISME Journal, 2019, 13, 374-387.	4.4	17
36	Symbiotic unicellular cyanobacteria fix nitrogen in the Arctic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13371-13375.	3.3	117

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37	In Situ Diazotroph Population Dynamics Under Different Resource Ratios in the North Pacific Subtropical Gyre. Frontiers in Microbiology, 2018, 9, 1616.	1.5	23
38	Distributions and Abundances of Sublineages of the N2-Fixing Cyanobacterium Candidatus Atelocyanobacterium thalassa (UCYN-A) in the New Caledonian Coral Lagoon. Frontiers in Microbiology, 2018, 9, 554.	1.5	23
39	Ocean acidification impacts on nitrogen fixation in the coastal western Mediterranean Sea. Estuarine, Coastal and Shelf Science, 2017, 186, 45-57.	0.9	16
40	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. Limnology and Oceanography, 2017, 62, 2550-2574.	1.6	39
41	Diversity and activity of nitrogenâ€fixing communities across ocean basins. Limnology and Oceanography, 2017, 62, 1895-1909.	1.6	97
42	Distinct ecological niches of marine symbiotic N₂â€fixing cyanobacterium Candidatus Atelocyanobacterium thalassa sublineages. Journal of Phycology, 2017, 53, 451-461.	1.0	66
43	Unusual marine unicellular symbiosis with the nitrogen-fixing cyanobacterium UCYN-A. Nature Microbiology, 2017, 2, 16214.	5.9	83
44	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium Crocosphaera. Nature Microbiology, 2017, 2, 17118.	5.9	122
45	How microbes survive in the open ocean. Science, 2017, 357, 646-647.	6.0	33
46	Temporal variability of nitrogen fixation and particulate nitrogen export at Station ALOHA. Limnology and Oceanography, 2017, 62, 200-216.	1.6	110
47	Identification of Associations between Bacterioplankton and Photosynthetic Picoeukaryotes in Coastal Waters. Frontiers in Microbiology, 2016, 7, 339.	1.5	26
48	Diazotroph Diversity in the Sea Ice, Melt Ponds, and Surface Waters of the Eurasian Basin of the Central Arctic Ocean. Frontiers in Microbiology, 2016, 7, 1884.	1.5	39
49	Two subpopulations of <scp>C</scp>rocosphaera watsonii have distinct distributions in the <scp>N</scp>orth and <scp>S</scp>outh <scp>P</scp>acific. Environmental Microbiology, 2016, 18, 514-524.	1.8	12
50	Rapid annotation of nif<scp>H</scp> gene sequences using classification and regression trees facilitates environmental functional gene analysis. Environmental Microbiology Reports, 2016, 8, 905-916.	1.0	34
51	Cyanobacterial symbionts diverged in the late Cretaceous towards lineage-specific nitrogen fixation factories in single-celled phytoplankton. Nature Communications, 2016, 7, 11071.	5.8	72
52	Molecular markers define progressing stages of phosphorus limitation in the nitrogenâ€fixing cyanobacterium, Crocosphaera. Journal of Phycology, 2016, 52, 274-282.	1.0	15
53	Genetic Diversity Affects the Daily Transcriptional Oscillations of Marine Microbial Populations. PLoS ONE, 2016, 11, e0146706.	1.1	6
54	Surveying DNA Elements within Functional Genes of Heterocyst-Forming Cyanobacteria. PLoS ONE, 2016, 11, e0156034.	1.1	13

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55	New insights into the ecology of the globally significant uncultured nitrogen-fixing symbiont UCYN-A. Aquatic Microbial Ecology, 2016, 77, 125-138.	0.9	85
56	Shortâ€term variability in euphotic zone biogeochemistry and primary productivity at Station ALOHA: A case study of summer 2012. Global Biogeochemical Cycles, 2015, 29, 1145-1164.	1.9	22
57	Diazotroph community succession during the VAHINE mesocosm experiment (New Caledonia lagoon). Biogeosciences, 2015, 12, 7435-7452.	1.3	63
58	Single-taxon field measurements of bacterial gene regulation controlling DMSP fate. ISME Journal, 2015, 9, 1677-1686.	4.4	37
59	Measurements of nitrogen fixation in the oligotrophic North Pacific Subtropical Gyre using a free-drifting submersible incubation device. Journal of Plankton Research, 2015, 37, 727-739.	0.8	18
60	How single cells work together. Science, 2015, 349, 1163-1164.	6.0	21
61	Metatranscriptomics of N2-fixing cyanobacteria in the Amazon River plume. ISME Journal, 2015, 9, 1557-1569.	4.4	24
62	Vibrio diversity and dynamics in the Monterey Bay upwelling region. Frontiers in Microbiology, 2014, 5, 48.	1.5	51
63	Gammaproteobacterial diazotrophs and nifH gene expression in surface waters of the South Pacific Ocean. ISME Journal, 2014, 8, 1962-1973.	4.4	93
64	ARBitrator: a software pipeline for on-demand retrieval of auto-curated nifH sequences from GenBank. Bioinformatics, 2014, 30, 2883-2890.	1.8	55
65	The paradox of marine heterotrophic nitrogen fixation: abundances of heterotrophic diazotrophs do not account for nitrogen fixation rates in the <scp>E</scp>astern <scp>T</scp>ropical <scp>S</scp>outh <scp>P</scp>acific. Environmental Microbiology, 2014, 16, 3095-3114.	1.8	99
66	<scp>nifH</scp> pyrosequencing reveals the potential for locationâ€specific soil chemistry to influence <scp>N</scp>₂â€fixing community dynamics. Environmental Microbiology, 2014, 16, 3211-3223.	1.8	112
67	Comparative genomics reveals surprising divergence of two closely related strains of uncultivated UCYN-A cyanobacteria. ISME Journal, 2014, 8, 2530-2542.	4.4	87
68	A microarray for assessing transcription from pelagic marine microbial taxa. ISME Journal, 2014, 8, 1476-1491.	4.4	29
69	Genetic diversity of the unicellular nitrogenâ€fixing cyanobacteria <scp>UCYN</scp>â€<scp>A</scp> and its prymnesiophyte host. Environmental Microbiology, 2014, 16, 3238-3249.	1.8	118
70	Ecogenomic sensor reveals controls on N2-fixing microorganisms in the North Pacific Ocean. ISME Journal, 2014, 8, 1175-1185.	4.4	70
71	Modeled diversity effects on microbial ecosystem functions of primary production, nutrient uptake, and remineralization. Ecology, 2014, 95, 153-163.	1.5	9
72	Ocean Gyres, Metagenomics of. , 2014, , 1-20.		1

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73	Cellular interactions: lessons from the nitrogenâ€fixing cyanobacteria. Journal of Phycology, 2013, 49, 1024-1035.	1.0	47
74	Modeled phytoplankton diversity and productivity in the California Current System. Ecological Modelling, 2013, 264, 37-47.	1.2	22
75	Coupling FACS and Genomic Methods for the Characterization of Uncultivated Symbionts. Methods in Enzymology, 2013, 531, 45-60.	0.4	4
76	Dissolved hydrogen and nitrogen fixation in the oligotrophic <scp>N</scp>orth <scp>P</scp>acific <scp>S</scp>ubtropical <scp>G</scp>yre. Environmental Microbiology Reports, 2013, 5, 697-704.	1.0	12
77	Whole genome comparison of six <scp>C</scp>rocosphaera watsonii strains with differing phenotypes. Journal of Phycology, 2013, 49, 786-801.	1.0	44
78	Genomic deletions disrupt nitrogen metabolism pathways of a cyanobacterial diatom symbiont. Nature Communications, 2013, 4, 1767.	5.8	96
79	Genetic engineering of multispecies microbial cell factories as an alternative for bioenergy production. Trends in Biotechnology, 2013, 31, 521-529.	4.9	69
80	Nonâ€cyanobacterial <scp>nifH</scp> phylotypes in the <scp>N</scp>orth <scp>P</scp>acific <scp>S</scp>ubtropical <scp>G</scp>yre detected by flowâ€cytometry cell sorting. Environmental Microbiology Reports, 2013, 5, 705-715.	1.0	20
81	Aphotic N2 Fixation in the Eastern Tropical South Pacific Ocean. PLoS ONE, 2013, 8, e81265.	1.1	101
82	Interactions with Partners Are Key for Oceanic Nitrogen-Fixing Cyanobacteria. Microbe Magazine, 2013, 8, 117-122.	0.4	5
83	Dissolved hydrogen and nitrogen fixation in the oligotrophic North Pacific Subtropical Gyre. Environmental Microbiology Reports, 2013, 5, 697-704.	1.0	5
84	Seasonal Synechococcus and Thaumarchaeal population dynamics examined with high resolution with remote in situ instrumentation. ISME Journal, 2012, 6, 513-523.	4.4	46
85	Analogous nutrient limitations in unicellular diazotrophs and Prochlorococcus in the South Pacific Ocean. ISME Journal, 2012, 6, 733-744.	4.4	78
86	Unicellular Cyanobacterium Symbiotic with a Single-Celled Eukaryotic Alga. Science, 2012, 337, 1546-1550.	6.0	460
87	Rates of dinitrogen fixation and the abundance of diazotrophs in North American coastal waters between Cape Hatteras and Georges Bank. Limnology and Oceanography, 2012, 57, 1067-1083.	1.6	106
88	Nitrogenase (nifH) gene expression in diazotrophic cyanobacteria in the Tropical North Atlantic in response to nutrient amendments. Frontiers in Microbiology, 2012, 3, 386.	1.5	59
89	NITROGEN FIXATION, HYDROGEN CYCLING, AND ELECTRON TRANSPORT KINETICS IN TRICHODESMIUM ERYTHRAEUM (CYANOBACTERIA) STRAIN IMS101¹. Journal of Phycology, 2012, 48, 595-606.	1.0	21
90	VARIATION IN THE ABUNDANCE OF SYNECHOCOCCUS SP. CC9311 NARB MRNA RELATIVE TO CHANGES IN LIGHT, NITROGEN GROWTH CONDITIONS AND NITRATE ASSIMILATION¹. Journal of Phycology, 2012, 48, 1028-1039.	1.0	8

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91	LETTER FROM THE EDITORS. Journal of Phycology, 2012, 48, 839-839.	1.0	0
92	Seasonal change in the abundance of Synechococcus and multiple distinct phylotypes in Monterey Bay determined by rbcL and narB quantitative PCR. Environmental Microbiology, 2012, 14, 580-593.	1.8	28
93	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. Earth System Science Data, 2012, 4, 47-73.	3.7	315
94	â€œOmicsâ€•Enabled Microbial Sensors on Ocean Platforms. Springer Protocols, 2012, , 1-32.	0.1	0
95	Nitrogen fixation in the South Atlantic Gyre and the Benguela Upwelling System. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	71
96	Nitrogen fixation by marine cyanobacteria. Trends in Microbiology, 2011, 19, 162-173.	3.5	421
97	Nitrogen Cycle of the Open Ocean: From Genes to Ecosystems. Annual Review of Marine Science, 2011, 3, 197-225.	5.1	313
98	Differential Distributions of Synechococcus Subgroups Across the California Current System. Frontiers in Microbiology, 2011, 2, 59.	1.5	45
99	Underwater Application of Quantitative PCR on an Ocean Mooring. PLoS ONE, 2011, 6, e22522.	1.1	80
100	Nitrogen fixation and nitrogenase (nifH) expression in tropical waters of the eastern North Atlantic. ISME Journal, 2011, 5, 1201-1212.	4.4	111
101	Global distribution patterns of distinct clades of the photosynthetic picoeukaryote Ostreococcus. ISME Journal, 2011, 5, 1095-1107.	4.4	142
102	Nitrogen fixation and transfer in open ocean diatomâ€“cyanobacterial symbioses. ISME Journal, 2011, 5, 1484-1493.	4.4	337
103	Two Strains of Crocosphaera watsonii with Highly Conserved Genomes are Distinguished by Strain-Specific Features. Frontiers in Microbiology, 2011, 2, 261.	1.5	32
104	Misannotations of rRNA can now generate 90% false positive protein matches in metatranscriptomic studies. Nucleic Acids Research, 2011, 39, 8792-8802.	6.5	57
105	Marine Microorganisms, Biogeochemical Cycles, and Global Climate Change. Microbe Magazine, 2011, 6, 169-175.	0.4	6
106	Nitrogen fixation within the water column associated with two hypoxic basins in the Southern California Bight. Aquatic Microbial Ecology, 2011, 63, 193-205.	0.9	126
107	Distribution of diazotrophic microorganisms and nifH gene expression in the Mekong River plume during intermonsoon. Marine Ecology - Progress Series, 2011, 424, 39-52.	0.9	49
108	Unicellular cyanobacteria with a new mode of life: the lack of photosynthetic oxygen evolution allows nitrogen fixation to proceed. Archives of Microbiology, 2010, 192, 783-790.	1.0	44

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109	An emergent community ecosystem model applied to the California Current System. Journal of Marine Systems, 2010, 83, 221-241.	0.9	42
110	ISOLATION OF CALOTHRIX RHIZOSOLENIAE (CYANOBACTERIA) STRAIN SC01 FROM CHAETOCEROS (BACILLARIOPHYTA) SPP. DIATOMS OF THE SUBTROPICAL NORTH PACIFIC OCEAN1. Journal of Phycology, 2010, 46, 1028-1037.	1.0	53
111	Genome-wide analysis of diel gene expression in the unicellular N2-fixing cyanobacterium Crocosphaera watsonii WH 8501. ISME Journal, 2010, 4, 621-632.	4.4	91
112	Metabolic streamlining in an open-ocean nitrogen-fixing cyanobacterium. Nature, 2010, 464, 90-94.	13.7	309
113	Diel cycling of DNA staining and nifH gene regulation in the unicellular cyanobacterium Crocosphaera watsonii strain WH 8501 (Cyanophyta). Environmental Microbiology, 2010, 12, 1001-1010.	1.8	24
114	Spatial patterns and lightâ€driven variation of microbial population gene expression in surface waters of the oligotrophic open ocean. Environmental Microbiology, 2010, 12, 1940-1956.	1.8	41
115	Abundance and distribution of major groups of diazotrophic cyanobacteria and their potential contribution to N₂ fixation in the tropical Atlantic Ocean. Environmental Microbiology, 2010, 12, 3272-3289.	1.8	126
116	Microbes in Earthâ€™s aqueous environments. Frontiers in Microbiology, 2010, 1, 4.	1.5	9
117	Hydrogen Cycling by the Unicellular Marine Diazotroph Crocosphaera watsonii Strain WH8501. Applied and Environmental Microbiology, 2010, 76, 6797-6803.	1.4	22
118	Unicellular Cyanobacterial Distributions Broaden the Oceanic N ₂ Fixation Domain. Science, 2010, 327, 1512-1514.	6.0	394
119	Hydrogen production by Trichodesmium erythraeum Cyanothece sp. and Crocosphaera watsonii. Aquatic Microbial Ecology, 2010, 59, 197-206.	0.9	35
120	Molecular biology techniques and applications for ocean sensing. Ocean Science, 2009, 5, 101-113.	1.3	9
121	New twist on nitrogen cycling in oceanic oxygen minimum zones. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4575-4576.	3.3	13
122	Photosynthesis in the Open Ocean. Science, 2009, 326, 945-946.	6.0	33
123	Microbial community gene expression within colonies of the diazotroph, Trichodesmium, from the Southwest Pacific Ocean. ISME Journal, 2009, 3, 1286-1300.	4.4	103
124	In situ transcriptomic analysis of the globally important keystone N2-fixing taxon Crocosphaera watsonii. ISME Journal, 2009, 3, 618-631.	4.4	67
125	Distribution and activity of diazotrophs in the Eastern Equatorial Atlantic. Environmental Microbiology, 2009, 11, 741-750.	1.8	92
126	Comparative day/night metatranscriptomic analysis of microbial communities in the North Pacific subtropical gyre. Environmental Microbiology, 2009, 11, 1358-1375.	1.8	285

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127	Detection and expression of the phosphonate transporter gene phnD in marine and freshwater picocyanobacteria. Environmental Microbiology, 2009, 11, 1314-1324.	1.8	95
128	Physical forcing of nitrogen fixation and diazotroph community structure in the North Pacific subtropical gyre. Global Biogeochemical Cycles, 2009, 23, .	1.9	200
129	Crystal ball â€“ 2009. Environmental Microbiology Reports, 2009, 1, 3-26.	1.0	5
130	Seasonality of N2 fixation and nifH gene diversity in the Gulf of Aqaba (Red Sea). Limnology and Oceanography, 2009, 54, 219-233.	1.6	83
131	Metagenomic potential of microbial assemblages in the surface waters of the central Pacific Ocean tracks variability in oceanic habitat. Limnology and Oceanography, 2009, 54, 1981-1994.	1.6	46
132	Nitrogen fixation in an anticyclonic eddy in the oligotrophic North Pacific Ocean. ISME Journal, 2008, 2, 663-676.	4.4	137
133	Diversity and abundance of diazotrophic microorganisms in the South China Sea during intermonsoon. ISME Journal, 2008, 2, 954-967.	4.4	176
134	GROWTH AND CARBON CONTENT OF THREE DIFFERENTâ€SIZED DIAZOTROPHIC CYANOBACTERIA OBSERVED IN THE SUBTROPICAL NORTH PACIFIC¹. Journal of Phycology, 2008, 44, 1212-1220.	1.0	71
135	Phylogenetic diversity of cyanobacterial narB genes from various marine habitats. Environmental Microbiology, 2008, 10, 3377-3387.	1.8	46
136	Globally Distributed Uncultivated Oceanic N ₂ -Fixing Cyanobacteria Lack Oxygenic Photosystem II. Science, 2008, 322, 1110-1112.	6.0	323
137	Regional distributions of nitrogenâ€fixing bacteria in the Pacific Ocean. Limnology and Oceanography, 2008, 53, 63-77.	1.6	154
138	Effects of inorganic nitrogen on taxa-specific cyanobacterial growth and nifH expression in a subtropical estuary. Limnology and Oceanography, 2008, 53, 2519-2532.	1.6	30
139	The Nitrogen Cycle in the North Pacific Trades Biome. , 2008, , 705-769.		35
140	Molecular Approaches to the Nitrogen Cycle. , 2008, , 1303-1344.		6
141	Nutrient limitation of primary productivity in the Southeast Pacific (BIOSOPE cruise). Biogeosciences, 2008, 5, 215-225.	1.3	118
142	Measuring N2 Fixation in the Field. , 2007, , 193-205.		12
143	Influence of the Amazon River plume on distributions of freeâ€living and symbiotic cyanobacteria in the western tropical north Atlantic Ocean. Limnology and Oceanography, 2007, 52, 517-532.	1.6	200
144	Low genomic diversity in tropical oceanic N ₂ -fixing cyanobacteria. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17807-17812.	3.3	70

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145	Nitrogen fixation by unicellular diazotrophic cyanobacteria in the temperate oligotrophic North Pacific Ocean. Limnology and Oceanography, 2007, 52, 1317-1327.	1.6	129
146	Experiments linking nitrogenase gene expression to nitrogen fixation in the North Pacific subtropical gyre. Limnology and Oceanography, 2007, 52, 169-183.	1.6	127
147	What's New in the Nitrogen Cycle?. Oceanography, 2007, 20, 101-109.	0.5	63
148	Diazotrophic bacterioplankton in a coral reef lagoon: phylogeny, diel nitrogenase expression and response to phosphate enrichment. ISME Journal, 2007, 1, 78-91.	4.4	46
149	Modeled contributions of three types of diazotrophs to nitrogen fixation at Station ALOHA. ISME Journal, 2007, 1, 606-619.	4.4	38
150	Nitrogenase gene expression in the Chesapeake Bay Estuary. Environmental Microbiology, 2007, 9, 1591-1596.	1.8	64
151	Spatial-temporal variability in diazotroph assemblages in Chesapeake Bay using an oligonucleotidenifHmicroarray. Environmental Microbiology, 2007, 9, 1823-1835.	1.8	50
152	Modelling the vertical distribution of Prochlorococcus and Synechococcus in the North Pacific Subtropical Ocean. Environmental Microbiology, 2007, 9, 2588-2602.	1.8	16
153	Characteristics of diazotrophs in surface to abyssopelagic waters of the Sargasso Sea. Aquatic Microbial Ecology, 2007, 46, 15-30.	0.9	52
154	DIVERSITY, DISTRIBUTION AND BIOGEOCHEMICAL SIGNIFICANCE OF NITROGEN-FIXING MICROORGANISMS IN ANOXIC AND SUBOXIC OCEAN ENVIRONMENTS. , 2006, , 337-369.		9
155	Characterization of diatomâ€“cyanobacteria symbioses on the basis of nifH, hetR and 16S rRNA sequences. Environmental Microbiology, 2006, 8, 1913-1925.	1.8	128
156	Cyanobacterial assimilatory nitrate reductase gene diversity in coastal and oligotrophic marine environments. Environmental Microbiology, 2006, 8, 2083-2095.	1.8	25
157	Application of a nifH oligonucleotide microarray for profiling diversity of N2-fixing microorganisms in marine microbial mats. Environmental Microbiology, 2006, 8, 1721-1735.	1.8	46
158	EFFECT OF EDTA ADDITIONS ON NATURALTRICHODESMIUMSPP. (CYANOPHYTA) POPULATIONS. Journal of Phycology, 2006, 42, 900-904.	1.0	9
159	Structural analysis of the Trichodesmium nitrogenase iron protein: implications for aerobic nitrogen fixation activity. FEMS Microbiology Letters, 2006, 153, 303-309.	0.7	24
160	Characterization of cyanobacterial glnA gene diversity and gene expression in marine environments. FEMS Microbiology Ecology, 2006, 55, 391-402.	1.3	8
161	Vertical distributions of nitrogen-fixing phylotypes at Stn Aloha in the oligotrophic North Pacific Ocean. Aquatic Microbial Ecology, 2005, 38, 3-14.	0.9	247
162	Temporal Patterns of Nitrogenase Gene (nifH) Expression in the Oligotrophic North Pacific Ocean. Applied and Environmental Microbiology, 2005, 71, 5362-5370.	1.4	264

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163	Quantitative Analysis of nifH Genes and Transcripts from Aquatic Environments. Methods in Enzymology, 2005, 397, 380-394.	0.4	41
164	New Nitrogen-Fixing Microorganisms from the Oceans: Biological Aspects and Global Implications. , 2005, , 361-365.		4
165	Development and Testing of a DNA Macroarray To Assess Nitrogenase (nifH) Gene Diversity. Applied and Environmental Microbiology, 2004, 70, 1455-1465.	1.4	99
166	Fingerprinting Diazotroph Communities in the Chesapeake Bay by Using a DNA Macroarray. Applied and Environmental Microbiology, 2004, 70, 1767-1776.	1.4	82
167	Spatial and Temporal Distribution of Two Diazotrophic Bacteria in the Chesapeake Bay. Applied and Environmental Microbiology, 2004, 70, 2186-2192.	1.4	67
168	High rates of N2 fixation by unicellular diazotrophs in the oligotrophic Pacific Ocean. Nature, 2004, 430, 1027-1031.	13.7	511
169	Vertical Distribution of Nitrogen-Fixing Phylotypes in a Meromictic, Hypersaline Lake. Microbial Ecology, 2004, 47, 30-40.	1.4	48
170	Comparison of diazotroph community structure in Lyngbya sp. and Microcoleus chthonoplastes dominated microbial mats from Guerrero Negro, Baja, Mexico. FEMS Microbiology Ecology, 2004, 47, 305-308.	1.3	55
171	Determination of Nitrogen-Fixing Phylotypes in Lyngbya sp. and Microcoleus chthonoplastes Cyanobacterial Mats from Guerrero Negro, Baja California, Mexico. Applied and Environmental Microbiology, 2004, 70, 2119-2128.	1.4	89
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