

Jonathan P Zehr

List of Publications by Year in descending order

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243
papers

20,159
citations

9786

73
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12946

131
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261
all docs

261
docs citations

261
times ranked

10032
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex marine microbial communities partition metabolism of scarce resources over the diel cycle. <i>Nature Ecology and Evolution</i> , 2022, 6, 218-229.	7.8	21
2	Overlooked and widespread pennate diatom-diazotroph symbioses in the sea. <i>Nature Communications</i> , 2022, 13, 799.	12.8	26
3	Cell sorting reveals few novel prokaryote and photosynthetic picoeukaryote associations in the oligotrophic ocean. <i>Environmental Microbiology</i> , 2021, 23, 1469-1480.	3.8	7
4	Intriguing size distribution of the uncultured and globally widespread marine non-cyanobacterial diazotroph Gamma-A. <i>ISME Journal</i> , 2021, 15, 124-128.	9.8	35
5	Nitrogen Fixation in the Marine Environment. , 2021, , 1-7.		0
6	Biogeography of N ₂ 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 N ₂ -Fixing UCYN-A Symbiosis. <i>Frontiers in Microbiology</i> , 2021, 12, 666739.	3.5	5
10	Elucidation of trophic interactions in an unusual single-cell nitrogen-fixing symbiosis using metabolic modeling. <i>PLoS Computational Biology</i> , 2021, 17, e1008983.	3.2	9
11	Gamma4: a genetically versatile Gammaproteobacterial <i>nifH</i> phlyotype that is widely distributed in the North Pacific Ocean. <i>Environmental Microbiology</i> , 2021, 23, 4246-4259.	3.8	11
12	Light and depth dependency of nitrogen fixation by the non-photosynthetic, symbiotic cyanobacterium UCYN-A. <i>Environmental Microbiology</i> , 2021, 23, 4518-4531.	3.8	14
13	Trends in Free-Access Genomic Data Accelerate Advances in Cyanobacteria Taxonomy. <i>Journal of Phycology</i> , 2021, 57, 1392-1402.	2.3	13
14	UCYN-A/haptophyte symbioses dominate N ₂ fixation in the Southern California Current System. <i>ISME Communications</i> , 2021, 1, .	4.2	17
15	Factors Controlling N ₂ Fixation. , 2021, , 95-115.		1
16	History of Research on Marine N ₂ Fixation. , 2021, , 31-41.		0
17	N ₂ Fixation in Ocean Basins. , 2021, , 143-156.		1
18	Marine N ₂ Fixation, Global Change and the Future. , 2021, , 157-170.		0

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19	Fundamentals of N ₂ Fixation. , 2021, , 9-29.		1
20	What's in a name? The case of cyanobacteria. Journal of Phycology, 2020, 56, 1-5.	2.3	39
21	Changing perspectives in marine nitrogen fixation. Science, 2020, 368, .	12.6	223
22	Unusual marine cyanobacteria/haptophyte symbiosis relies on N ₂ fixation even in N-rich environments. ISME Journal, 2020, 14, 2395-2406.	9.8	58
23	Unexpected presence of the nitrogen-fixing symbiotic cyanobacterium UCYN-A in Monterey Bay, California. Journal of Phycology, 2020, 56, 1521-1533.	2.3	27
24	Latitudinal constraints on the abundance and activity of the cyanobacterium UCYN-A and other marine diazotrophs in the North Pacific. Limnology and Oceanography, 2020, 65, 1858-1875.	3.1	40
25	Phytoplankton transcriptomic and physiological responses to fixed nitrogen in the California current system. PLoS ONE, 2020, 15, e0231771.	2.5	3
26	Diverse diazotrophs are present on sinking particles in the North Pacific Subtropical Gyre. ISME Journal, 2019, 13, 170-182.	9.8	81
27	Periodic and coordinated gene expression between a diazotroph and its diatom host. ISME Journal, 2019, 13, 118-131.	9.8	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.	7.1	31
29	Klauea lava fuels phytoplankton bloom in the North Pacific Ocean. Science, 2019, 365, 1040-1044.	12.6	35
30	Diversity, Genomics, and Distribution of Phytoplankton-Cyanobacterium Single-Cell Symbiotic Associations. Annual Review of Microbiology, 2019, 73, 435-456.	7.3	49
31	The Transcriptional Cycle Is Suited to Daytime N ₂ Fixation in the Unicellular Cyanobacterium <i>Candidatus</i> Atelocyanobacterium thalassa (UCYN-A). MBio, 2019, 10, .	4.1	31
32	Temporal variability of diazotroph community composition in the upwelling region off NW Iberia. Scientific Reports, 2019, 9, 3737.	3.3	18
33	Use of the high-affinity phosphate transporter gene, <i>pstS</i> , as an indicator for phosphorus stress in the marine diazotroph <i>Crocospaera watsonii</i> (Chroococcales, Cyanobacteria). Journal of Phycology, 2019, 55, 752-761.	2.3	17
34	UCYN-A3, a newly characterized open ocean sublineage of the symbiotic N ₂ -fixing cyanobacterium <i>Candidatus</i> Atelocyanobacterium thalassa. Environmental Microbiology, 2019, 21, 111-124.	3.8	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.	9.8	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.	7.1	117

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37	In Situ Diazotroph Population Dynamics Under Different Resource Ratios in the North Pacific Subtropical Gyre. <i>Frontiers in Microbiology</i> , 2018, 9, 1616.	3.5	23
38	Distributions and Abundances of Sublineages of the N ₂ -Fixing Cyanobacterium Candidatus <i>Atelocyanobacterium thalassa</i> (UCYN-A) in the New Caledonian Coral Lagoon. <i>Frontiers in Microbiology</i> , 2018, 9, 554.	3.5	23
39	Ocean acidification impacts on nitrogen fixation in the coastal western Mediterranean Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 186, 45-57.	2.1	16
40	Differential effects of nitrate, ammonium, and urea as N sources for microbial communities in the North Pacific Ocean. <i>Limnology and Oceanography</i> , 2017, 62, 2550-2574.	3.1	39
41	Diversity and activity of nitrogen-fixing communities across ocean basins. <i>Limnology and Oceanography</i> , 2017, 62, 1895-1909.	3.1	97
42	Distinct ecological niches of marine symbiotic N ₂ -fixing cyanobacterium <i>Candidatus Atelocyanobacterium thalassa</i> sublineages. <i>Journal of Phycology</i> , 2017, 53, 451-461.	2.3	66
43	Unusual marine unicellular symbiosis with the nitrogen-fixing cyanobacterium UCYN-A. <i>Nature Microbiology</i> , 2017, 2, 16214.	13.3	83
44	Coordinated regulation of growth, activity and transcription in natural populations of the unicellular nitrogen-fixing cyanobacterium <i>Crocospaera</i> . <i>Nature Microbiology</i> , 2017, 2, 17118.	13.3	122
45	How microbes survive in the open ocean. <i>Science</i> , 2017, 357, 646-647.	12.6	33
46	Temporal variability of nitrogen fixation and particulate nitrogen export at Station ALOHA. <i>Limnology and Oceanography</i> , 2017, 62, 200-216.	3.1	110
47	Identification of Associations between Bacterioplankton and Photosynthetic Picoeukaryotes in Coastal Waters. <i>Frontiers in Microbiology</i> , 2016, 7, 339.	3.5	26
48	Diazotroph Diversity in the Sea Ice, Melt Ponds, and Surface Waters of the Eurasian Basin of the Central Arctic Ocean. <i>Frontiers in Microbiology</i> , 2016, 7, 1884.	3.5	39
49	Two subpopulations of <i>Crocospaera watsonii</i> have distinct distributions in the North and South Pacific. <i>Environmental Microbiology</i> , 2016, 18, 514-524.	3.8	12
50	Rapid annotation of <i>nifH</i> gene sequences using classification and regression trees facilitates environmental functional gene analysis. <i>Environmental Microbiology Reports</i> , 2016, 8, 905-916.	2.4	34
51	Cyanobacterial symbionts diverged in the late Cretaceous towards lineage-specific nitrogen fixation factories in single-celled phytoplankton. <i>Nature Communications</i> , 2016, 7, 11071.	12.8	72
52	Molecular markers define progressing stages of phosphorus limitation in the nitrogen-fixing cyanobacterium, <i>Crocospaera</i> . <i>Journal of Phycology</i> , 2016, 52, 274-282.	2.3	15
53	Genetic Diversity Affects the Daily Transcriptional Oscillations of Marine Microbial Populations. <i>PLoS ONE</i> , 2016, 11, e0146706.	2.5	6
54	Surveying DNA Elements within Functional Genes of Heterocyst-Forming Cyanobacteria. <i>PLoS ONE</i> , 2016, 11, e0156034.	2.5	13

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55	New insights into the ecology of the globally significant uncultured nitrogen-fixing symbiont UCYN-A. <i>Aquatic Microbial Ecology</i> , 2016, 77, 125-138.	1.8	85
56	Short-term variability in euphotic zone biogeochemistry and primary productivity at Station ALOHA: A case study of summer 2012. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1145-1164.	4.9	22
57	Diazotroph community succession during the VAHINE mesocosm experiment (New Caledonia lagoon). <i>Biogeosciences</i> , 2015, 12, 7435-7452.	3.3	63
58	Single-taxon field measurements of bacterial gene regulation controlling DMSP fate. <i>ISME Journal</i> , 2015, 9, 1677-1686.	9.8	37
59	Measurements of nitrogen fixation in the oligotrophic North Pacific Subtropical Gyre using a free-drifting submersible incubation device. <i>Journal of Plankton Research</i> , 2015, 37, 727-739.	1.8	18
60	How single cells work together. <i>Science</i> , 2015, 349, 1163-1164.	12.6	21
61	Metatranscriptomics of N ₂ -fixing cyanobacteria in the Amazon River plume. <i>ISME Journal</i> , 2015, 9, 1557-1569.	9.8	24
62	<i>Vibrio</i> diversity and dynamics in the Monterey Bay upwelling region. <i>Frontiers in Microbiology</i> , 2014, 5, 48.	3.5	51
63	Gammaproteobacterial diazotrophs and <i>nifH</i> gene expression in surface waters of the South Pacific Ocean. <i>ISME Journal</i> , 2014, 8, 1962-1973.	9.8	93
64	ARBitrator: a software pipeline for on-demand retrieval of auto-curated <i>nifH</i> sequences from GenBank. <i>Bioinformatics</i> , 2014, 30, 2883-2890.	4.1	55
65	The paradox of marine heterotrophic nitrogen fixation: abundances of heterotrophic diazotrophs do not account for nitrogen fixation rates in the Eastern Tropical South Pacific. <i>Environmental Microbiology</i> , 2014, 16, 3095-3114.	3.8	99
66	<i>nifH</i> pyrosequencing reveals the potential for location-specific soil chemistry to influence N ₂ -fixing community dynamics. <i>Environmental Microbiology</i> , 2014, 16, 3211-3223.	3.8	112
67	Comparative genomics reveals surprising divergence of two closely related strains of uncultivated UCYN-A cyanobacteria. <i>ISME Journal</i> , 2014, 8, 2530-2542.	9.8	87
68	A microarray for assessing transcription from pelagic marine microbial taxa. <i>ISME Journal</i> , 2014, 8, 1476-1491.	9.8	29
69	Genetic diversity of the unicellular nitrogen-fixing cyanobacteria UCYN-A and its prymnesiophyte host. <i>Environmental Microbiology</i> , 2014, 16, 3238-3249.	3.8	118
70	Ecogenomic sensor reveals controls on N ₂ -fixing microorganisms in the North Pacific Ocean. <i>ISME Journal</i> , 2014, 8, 1175-1185.	9.8	70
71	Modeled diversity effects on microbial ecosystem functions of primary production, nutrient uptake, and remineralization. <i>Ecology</i> , 2014, 95, 153-163.	3.2	9
72	Ocean Gyres, <i>Metagenomics of.</i> , 2014,, 1-20.		1

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73	Cellular interactions: lessons from the nitrogen-fixing cyanobacteria. <i>Journal of Phycology</i> , 2013, 49, 1024-1035.	2.3	47
74	Modeled phytoplankton diversity and productivity in the California Current System. <i>Ecological Modelling</i> , 2013, 264, 37-47.	2.5	22
75	Coupling FACS and Genomic Methods for the Characterization of Uncultivated Symbionts. <i>Methods in Enzymology</i> , 2013, 531, 45-60.	1.0	4
76	Dissolved hydrogen and nitrogen fixation in the oligotrophic <i>N₂-fixing</i> <i>Pacific</i> <i>S₂-subtropical</i> <i>Gyre</i> . <i>Environmental Microbiology Reports</i> , 2013, 5, 697-704.	2.4	12
77	Whole genome comparison of six <i>Crocospaera watsonii</i> strains with differing phenotypes. <i>Journal of Phycology</i> , 2013, 49, 786-801.	2.3	44
78	Genomic deletions disrupt nitrogen metabolism pathways of a cyanobacterial diatom symbiont. <i>Nature Communications</i> , 2013, 4, 1767.	12.8	96
79	Genetic engineering of multispecies microbial cell factories as an alternative for bioenergy production. <i>Trends in Biotechnology</i> , 2013, 31, 521-529.	9.3	69
80	Non-cyanobacterial <i>nifH</i> phylotypes in the <i>N₂-fixing</i> <i>Pacific</i> <i>S₂-subtropical</i> <i>Gyre</i> detected by flow-cytometry cell sorting. <i>Environmental Microbiology Reports</i> , 2013, 5, 705-715.	2.4	20
81	Aphotic N ₂ Fixation in the Eastern Tropical South Pacific Ocean. <i>PLoS ONE</i> , 2013, 8, e81265.	2.5	101
82	Interactions with Partners Are Key for Oceanic Nitrogen-Fixing Cyanobacteria. <i>Microbe Magazine</i> , 2013, 8, 117-122.	0.4	5
83	Dissolved hydrogen and nitrogen fixation in the oligotrophic North Pacific Subtropical Gyre. <i>Environmental Microbiology Reports</i> , 2013, 5, 697-704.	2.4	5
84	Seasonal <i>Synechococcus</i> and <i>Thaumarchaeal</i> population dynamics examined with high resolution with remote <i>in situ</i> instrumentation. <i>ISME Journal</i> , 2012, 6, 513-523.	9.8	46
85	Analogous nutrient limitations in unicellular diazotrophs and <i>Prochlorococcus</i> in the South Pacific Ocean. <i>ISME Journal</i> , 2012, 6, 733-744.	9.8	78
86	Unicellular Cyanobacterium Symbiotic with a Single-Celled Eukaryotic Alga. <i>Science</i> , 2012, 337, 1546-1550.	12.6	460
87	Rates of dinitrogen fixation and the abundance of diazotrophs in North American coastal waters between Cape Hatteras and Georges Bank. <i>Limnology and Oceanography</i> , 2012, 57, 1067-1083.	3.1	106
88	Nitrogenase (<i>nifH</i>) gene expression in diazotrophic cyanobacteria in the Tropical North Atlantic in response to nutrient amendments. <i>Frontiers in Microbiology</i> , 2012, 3, 386.	3.5	59
89	NITROGEN FIXATION, HYDROGEN CYCLING, AND ELECTRON TRANSPORT KINETICS IN <i>TRICHODESMIUM ERYTHRAEUM</i> (CYANOBACTERIA) STRAIN IMS101 ¹ . <i>Journal of Phycology</i> , 2012, 48, 595-606.	2.3	21
90	VARIATION IN THE ABUNDANCE OF <i>SYNECHOCOCCLUS SP.</i> CC9311 <i>NARB</i> MRNA RELATIVE TO CHANGES IN LIGHT, NITROGEN GROWTH CONDITIONS AND NITRATE ASSIMILATION ¹ . <i>Journal of Phycology</i> , 2012, 48, 1028-1039.	2.3	8

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91	LETTER FROM THE EDITORS. <i>Journal of Phycology</i> , 2012, 48, 839-839.	2.3	0
92	Seasonal change in the abundance of <i>Synechococcus</i> and multiple distinct phylotypes in Monterey Bay determined by <i>rbcL</i> and <i>narB</i> quantitative PCR. <i>Environmental Microbiology</i> , 2012, 14, 580-593.	3.8	28
93	Database of diazotrophs in global ocean: abundance, biomass and nitrogen fixation rates. <i>Earth System Science Data</i> , 2012, 4, 47-73.	9.9	315
94	Omics-Enabled Microbial Sensors on Ocean Platforms. <i>Springer Protocols</i> , 2012, , 1-32.	0.3	0
95	Nitrogen fixation in the South Atlantic Gyre and the Benguela Upwelling System. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	71
96	Nitrogen fixation by marine cyanobacteria. <i>Trends in Microbiology</i> , 2011, 19, 162-173.	7.7	421
97	Nitrogen Cycle of the Open Ocean: From Genes to Ecosystems. <i>Annual Review of Marine Science</i> , 2011, 3, 197-225.	11.6	313
98	Differential Distributions of <i>Synechococcus</i> Subgroups Across the California Current System. <i>Frontiers in Microbiology</i> , 2011, 2, 59.	3.5	45
99	Underwater Application of Quantitative PCR on an Ocean Mooring. <i>PLoS ONE</i> , 2011, 6, e22522.	2.5	80
100	Nitrogen fixation and nitrogenase (<i>nifH</i>) expression in tropical waters of the eastern North Atlantic. <i>ISME Journal</i> , 2011, 5, 1201-1212.	9.8	111
101	Global distribution patterns of distinct clades of the photosynthetic picoeukaryote <i>Ostreococcus</i> . <i>ISME Journal</i> , 2011, 5, 1095-1107.	9.8	142
102	Nitrogen fixation and transfer in open ocean diatom-cyanobacterial symbioses. <i>ISME Journal</i> , 2011, 5, 1484-1493.	9.8	337
103	Two Strains of <i>Crocospaera watsonii</i> with Highly Conserved Genomes are Distinguished by Strain-Specific Features. <i>Frontiers in Microbiology</i> , 2011, 2, 261.	3.5	32
104	Misannotations of rRNA can now generate 90% false positive protein matches in metatranscriptomic studies. <i>Nucleic Acids Research</i> , 2011, 39, 8792-8802.	14.5	57
105	Marine Microorganisms, Biogeochemical Cycles, and Global Climate Change. <i>Microbe Magazine</i> , 2011, 6, 169-175.	0.4	6
106	Nitrogen fixation within the water column associated with two hypoxic basins in the Southern California Bight. <i>Aquatic Microbial Ecology</i> , 2011, 63, 193-205.	1.8	126
107	Distribution of diazotrophic microorganisms and <i>nifH</i> gene expression in the Mekong River plume during intermonsoon. <i>Marine Ecology - Progress Series</i> , 2011, 424, 39-52.	1.9	49
108	Unicellular cyanobacteria with a new mode of life: the lack of photosynthetic oxygen evolution allows nitrogen fixation to proceed. <i>Archives of Microbiology</i> , 2010, 192, 783-790.	2.2	44

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109	An emergent community ecosystem model applied to the California Current System. <i>Journal of Marine Systems</i> , 2010, 83, 221-241.	2.1	42
110	ISOLATION OF CALOTHRIX RHIZOSOLENIAE (CYANOBACTERIA) STRAIN SC01 FROM CHAETOCEROS (BACILLARIOPHYTA) SPP. DIATOMS OF THE SUBTROPICAL NORTH PACIFIC OCEAN1. <i>Journal of Phycology</i> , 2010, 46, 1028-1037.	2.3	53
111	Genome-wide analysis of diel gene expression in the unicellular N ₂ -fixing cyanobacterium <i>Crocospaera watsonii</i> WH 8501. <i>ISME Journal</i> , 2010, 4, 621-632.	9.8	91
112	Metabolic streamlining in an open-ocean nitrogen-fixing cyanobacterium. <i>Nature</i> , 2010, 464, 90-94.	27.8	309
113	Diel cycling of DNA staining and <i>nifH</i> gene regulation in the unicellular cyanobacterium <i>Crocospaera watsonii</i> strain WH 8501 (Cyanophyta). <i>Environmental Microbiology</i> , 2010, 12, 1001-1010.	3.8	24
114	Spatial patterns and light-driven variation of microbial population gene expression in surface waters of the oligotrophic open ocean. <i>Environmental Microbiology</i> , 2010, 12, 1940-1956.	3.8	41
115	Abundance and distribution of major groups of diazotrophic cyanobacteria and their potential contribution to N ₂ fixation in the tropical Atlantic Ocean. <i>Environmental Microbiology</i> , 2010, 12, 3272-3289.	3.8	126
116	Microbes in Earth's aqueous environments. <i>Frontiers in Microbiology</i> , 2010, 1, 4.	3.5	9
117	Hydrogen Cycling by the Unicellular Marine Diazotroph <i>Crocospaera watsonii</i> Strain WH8501. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6797-6803.	3.1	22
118	Unicellular Cyanobacterial Distributions Broaden the Oceanic N ₂ Fixation Domain. <i>Science</i> , 2010, 327, 1512-1514.	12.6	394
119	Hydrogen production by <i>Trichodesmium erythraeum</i> Cyanothecae sp. and <i>Crocospaera watsonii</i> . <i>Aquatic Microbial Ecology</i> , 2010, 59, 197-206.	1.8	35
120	Molecular biology techniques and applications for ocean sensing. <i>Ocean Science</i> , 2009, 5, 101-113.	3.4	9
121	New twist on nitrogen cycling in oceanic oxygen minimum zones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4575-4576.	7.1	13
122	Photosynthesis in the Open Ocean. <i>Science</i> , 2009, 326, 945-946.	12.6	33
123	Microbial community gene expression within colonies of the diazotroph, <i>Trichodesmium</i> , from the Southwest Pacific Ocean. <i>ISME Journal</i> , 2009, 3, 1286-1300.	9.8	103
124	<i>In situ</i> transcriptomic analysis of the globally important keystone N ₂ -fixing taxon <i>Crocospaera watsonii</i> . <i>ISME Journal</i> , 2009, 3, 618-631.	9.8	67
125	Distribution and activity of diazotrophs in the Eastern Equatorial Atlantic. <i>Environmental Microbiology</i> , 2009, 11, 741-750.	3.8	92
126	Comparative day/night metatranscriptomic analysis of microbial communities in the North Pacific subtropical gyre. <i>Environmental Microbiology</i> , 2009, 11, 1358-1375.	3.8	285

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127	Detection and expression of the phosphonate transporter gene <i>phnD</i> in marine and freshwater picocyanobacteria. <i>Environmental Microbiology</i> , 2009, 11, 1314-1324.	3.8	95
128	Physical forcing of nitrogen fixation and diazotroph community structure in the North Pacific subtropical gyre. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	200
129	Crystal ball “ 2009. <i>Environmental Microbiology Reports</i> , 2009, 1, 3-26.	2.4	5
130	Seasonality of N ₂ fixation and <i>nifH</i> gene diversity in the Gulf of Aqaba (Red Sea). <i>Limnology and Oceanography</i> , 2009, 54, 219-233.	3.1	83
131	Metagenomic potential of microbial assemblages in the surface waters of the central Pacific Ocean tracks variability in oceanic habitat. <i>Limnology and Oceanography</i> , 2009, 54, 1981-1994.	3.1	46
132	Nitrogen fixation in an anticyclonic eddy in the oligotrophic North Pacific Ocean. <i>ISME Journal</i> , 2008, 2, 663-676.	9.8	137
133	Diversity and abundance of diazotrophic microorganisms in the South China Sea during intermonsoon. <i>ISME Journal</i> , 2008, 2, 954-967.	9.8	176
134	GROWTH AND CARBON CONTENT OF THREE DIFFERENT-SIZED DIAZOTROPHIC CYANOBACTERIA OBSERVED IN THE SUBTROPICAL NORTH PACIFIC ¹ . <i>Journal of Phycology</i> , 2008, 44, 1212-1220.	2.3	71
135	Phylogenetic diversity of cyanobacterial <i>narB</i> genes from various marine habitats. <i>Environmental Microbiology</i> , 2008, 10, 3377-3387.	3.8	46
136	Globally Distributed Uncultivated Oceanic N ₂ -Fixing Cyanobacteria Lack Oxygenic Photosystem II. <i>Science</i> , 2008, 322, 1110-1112.	12.6	323
137	Regional distributions of nitrogen-fixing bacteria in the Pacific Ocean. <i>Limnology and Oceanography</i> , 2008, 53, 63-77.	3.1	154
138	Effects of inorganic nitrogen on taxa-specific cyanobacterial growth and <i>nifH</i> expression in a subtropical estuary. <i>Limnology and Oceanography</i> , 2008, 53, 2519-2532.	3.1	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). <i>Biogeosciences</i> , 2008, 5, 215-225.	3.3	118
142	Measuring N ₂ Fixation in the Field. , 2007, , 193-205.		12
143	Influence of the Amazon River plume on distributions of free-living and symbiotic cyanobacteria in the western tropical north Atlantic Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 517-532.	3.1	200
144	Low genomic diversity in tropical oceanic N ₂ -fixing cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17807-17812.	7.1	70

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145	Nitrogen fixation by unicellular diazotrophic cyanobacteria in the temperate oligotrophic North Pacific Ocean. <i>Limnology and Oceanography</i> , 2007, 52, 1317-1327.	3.1	129
146	Experiments linking nitrogenase gene expression to nitrogen fixation in the North Pacific subtropical gyre. <i>Limnology and Oceanography</i> , 2007, 52, 169-183.	3.1	127
147	What's New in the Nitrogen Cycle?. <i>Oceanography</i> , 2007, 20, 101-109.	1.0	63
148	Diazotrophic bacterioplankton in a coral reef lagoon: phylogeny, diel nitrogenase expression and response to phosphate enrichment. <i>ISME Journal</i> , 2007, 1, 78-91.	9.8	46
149	Modeled contributions of three types of diazotrophs to nitrogen fixation at Station ALOHA. <i>ISME Journal</i> , 2007, 1, 606-619.	9.8	38
150	Nitrogenase gene expression in the Chesapeake Bay Estuary. <i>Environmental Microbiology</i> , 2007, 9, 1591-1596.	3.8	64
151	Spatial-temporal variability in diazotroph assemblages in Chesapeake Bay using an oligonucleotide microarray. <i>Environmental Microbiology</i> , 2007, 9, 1823-1835.	3.8	50
152	Modelling the vertical distribution of <i>Prochlorococcus</i> and <i>Synechococcus</i> in the North Pacific Subtropical Ocean. <i>Environmental Microbiology</i> , 2007, 9, 2588-2602.	3.8	16
153	Characteristics of diazotrophs in surface to abyssopelagic waters of the Sargasso Sea. <i>Aquatic Microbial Ecology</i> , 2007, 46, 15-30.	1.8	52
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