

# Doubling of marine dinitrogen-fixation rates based on c

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The trouble with the bubble. <i>Nature</i> , 2012, 488, 290-291.	13.7	7
2	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.	1.5	59
3	Low temperature delays timing and enhances the cost of nitrogen fixation in the unicellular cyanobacterium <i>Cyanothece</i> . <i>ISME Journal</i> , 2013, 7, 2105-2115.	4.4	46
4	The marine nitrogen cycle: recent discoveries, uncertainties and the potential relevance of climate change. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20130121.	1.8	240
5	Measuring carbon and $N_2$ fixation in field populations of colonial and free-living unicellular cyanobacteria using nanometer-scale secondary ion mass spectrometry. <i>Journal of Phycology</i> , 2013, 49, 502-516.	1.0	55
6	Nitrogen fixation in distinct microbial niches within a chemoautotrophy-driven cave ecosystem. <i>ISME Journal</i> , 2013, 7, 2411-2423.	4.4	44
7	Low contribution of $N_2$ fixation to new production and excess nitrogen in the subtropical northeast Atlantic margin. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 81, 36-48.	0.6	15
8	In situ identification and $N_2$ and C fixation rates of uncultivated cyanobacteria populations. <i>Systematic and Applied Microbiology</i> , 2013, 36, 259-271.	1.2	76
9	Revisiting $N_2$ fixation in the North Atlantic Ocean: Significance of deviations from the Redfield Ratio, atmospheric deposition and climate variability. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 148-158.	0.6	30
10	Relative inputs of upwelled and atmospheric nitrogen to the eastern tropical North Atlantic food web: Spatial distribution of $\delta^{15}N$ in mesozooplankton and relation to dissolved nutrient dynamics. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 75, 135-145.	0.6	29
11	Molecular biological and isotopic biogeochemical prognoses of the nitrification-driven dynamic microbial nitrogen cycle in hadopelagic sediments. <i>Environmental Microbiology</i> , 2013, 15, 3087-3107.	1.8	68
12	Controls on Nitrogen Loss Processes in Chesapeake Bay Sediments. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4189-4196.	4.6	40
13	Evidence of parallel denitrification and nitrite oxidation in the ODZ of the Arabian Sea from paired stable isotopes of nitrate and nitrite. <i>Global Biogeochemical Cycles</i> , 2013, 27, 1059-1071.	1.9	60
14	Evidence of active dinitrogen fixation in surface waters of the eastern tropical South Pacific during El Niño and La Niña events and evaluation of its potential nutrient controls. <i>Global Biogeochemical Cycles</i> , 2013, 27, 768-779.	1.9	76
16	Longitudinal variability of size-fractionated $N_2$ fixation and DON release rates along $24.5^\circ N$ in the subtropical North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3406-3415.	1.0	32
17	Evaluating the balance between vertical diffusive nitrate supply and nitrogen fixation with reference to nitrate uptake in the eastern subtropical North Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5732-5749.	1.0	20
18	Strong stimulation of $N_2$ fixation in oligotrophic Mediterranean Sea: results from dust addition in large in situ mesocosms. <i>Biogeosciences</i> , 2013, 10, 7333-7346.	1.3	38
19	Isotopic constraints on the pre-industrial oceanic nitrogen budget. <i>Biogeosciences</i> , 2013, 10, 5889-5910.	1.3	57

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21	Marine denitrification rates determined from a global 3-D inverse model. <i>Biogeosciences</i> , 2013, 10, 2481-2496.	1.3	121
22	Aphotic N <sub>2</sub> Fixation in the Eastern Tropical South Pacific Ocean. <i>PLoS ONE</i> , 2013, 8, e81265.	1.1	101
23	Biological N <sub>2</sub> O Fixation in the Eastern South Pacific Ocean and Marine Cyanobacterial Cultures. <i>PLoS ONE</i> , 2013, 8, e63956.	1.1	32
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26	Spatio-temporal patterns of C : N : P ratios in the northern Benguela upwelling system. <i>Biogeosciences</i> , 2014, 11, 885-897.	1.3	25
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28	Icehouse “greenhouse” variations in marine denitrification. <i>Biogeosciences</i> , 2014, 11, 1273-1295.	1.3	112
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34	The paradox of marine heterotrophic nitrogen fixation: abundances of heterotrophic diazotrophs do not account for nitrogen fixation rates in the eastern subtropical South Pacific. <i>Environmental Microbiology</i> , 2014, 16, 3095-3114.	1.8	99
35	Seasonal ITCZ migration dynamically controls the location of the (sub)tropical Atlantic biogeochemical divide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1438-1442.	3.3	107
36	Distribution of a consortium between unicellular algae and the N <sub>2</sub> -fixing cyanobacterium UCYN-A in the North Atlantic Ocean. <i>Environmental Microbiology</i> , 2014, 16, 3153-3167.	1.8	38
37	Trace metals and nutrients in Baltic Sea cyanobacteria: Internal and external fractions and potential use in nitrogen fixation. <i>Marine Chemistry</i> , 2014, 158, 27-38.	0.9	6

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39	Simultaneous Quantification of Active Carbon- and Nitrogen-Fixing Communities and Estimation of Fixation Rates Using Fluorescence <i>In Situ</i> Hybridization and Flow Cytometry. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6750-6759.	1.4	10
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43	Key geochemical factors regulating Mn(IV)-catalyzed anaerobic nitrification in coastal marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 17-33.	1.6	40
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47	Western Pacific atmospheric nutrient deposition fluxes, their impact on surface ocean productivity. <i>Global Biogeochemical Cycles</i> , 2014, 28, 712-728.	1.9	63
48	Experimental assessment of diazotroph responses to elevated seawater CO <sub>2</sub> in the North Pacific Subtropical Gyre. <i>Global Biogeochemical Cycles</i> , 2014, 28, 601-616.	1.9	36
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50	Do <i>Trichodesmium</i> spp. populations in the North Atlantic export most of the nitrogen they fix?. <i>Global Biogeochemical Cycles</i> , 2014, 28, 103-114.	1.9	18
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59	Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13849-13893.	1.9	168
60	Nitrogen fixation and the diazotroph community in the temperate coastal region of the northwestern North Pacific. <i>Biogeosciences</i> , 2015, 12, 4751-4764.	1.3	63
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132	A Small Number of Low-abundance Bacteria Dominate Plant Species-specific Responses during Rhizosphere Colonization. <i>Frontiers in Microbiology</i> , 2017, 8, 975.	1.5	87
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