

Julie Granger

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,764
citations

331670

21
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2488
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen and oxygen isotope fractionation during dissimilatory nitrate reduction by denitrifying bacteria. <i>Limnology and Oceanography</i> , 2008, 53, 2533-2545.	3.1	360
2	Coupled nitrogen and oxygen isotope fractionation of nitrate during assimilation by cultures of marine phytoplankton. <i>Limnology and Oceanography</i> , 2004, 49, 1763-1773.	3.1	341
3	Coupled nitrogen and oxygen isotope measurements of nitrate along the eastern North Pacific margin. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	311
4	Removal of nitrite with sulfamic acid for nitrate N and O isotope analysis with the denitrifier method. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3753-3762.	1.5	263
5	The Contamination of Commercial $^{15}\text{N}_2$ Gas Stocks with ^{15}N -Labeled Nitrate and Ammonium and Consequences for Nitrogen Fixation Measurements. <i>PLoS ONE</i> , 2014, 9, e110335.	2.5	224
6	N and O isotope effects during nitrate assimilation by unicellular prokaryotic and eukaryotic plankton cultures. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1030-1040.	3.9	165
7	Isotopic overprinting of nitrification on denitrification as a ubiquitous and unifying feature of environmental nitrogen cycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6391-E6400.	7.1	154
8	Reduced isotope fractionation by denitrification under conditions relevant to the ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 243-259.	3.9	125
9	The distribution of nitrate $^{15}\text{N}/^{14}\text{N}$ in marine sediments and the impact of benthic nitrogen loss on the isotopic composition of oceanic nitrate. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5384-5404.	3.9	123
10	Coupled nitrification-denitrification in sediment of the eastern Bering Sea shelf leads to ^{15}N enrichment of fixed N in shelf waters. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	116
11	Eukaryotic Assimilatory Nitrate Reductase Fractionates N and O Isotopes with a Ratio near Unity. <i>Environmental Science & Technology</i> , 2012, 46, 5727-5735.	10.0	77
12	A method for nitrite removal in nitrate N and O isotope analyses. <i>Limnology and Oceanography: Methods</i> , 2006, 4, 205-212.	2.0	70
13	A critical review of the ^{15}N tracer method to measure diazotrophic production in pelagic ecosystems. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 129-147.	2.0	59
14	Constraining the Oxygen Isotopic Composition of Nitrate Produced by Nitrification. <i>Environmental Science & Technology</i> , 2019, 53, 1206-1216.	10.0	57
15	Enzyme level N and O isotope effects of assimilatory and dissimilatory nitrate reduction. <i>Limnology and Oceanography</i> , 2017, 62, 272-288.	3.1	46
16	On the Properties of the Arctic Halocline and Deep Water Masses of the Canada Basin from Nitrate Isotope Ratios. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5443-5458.	2.6	37
17	The contributions of nitrate uptake and efflux to isotope fractionation during algal nitrate assimilation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 132, 391-412.	3.9	36
18	Elevated $^{15}\text{N}/^{14}\text{N}$ in particulate organic matter, zooplankton, and diatom frustule-bound nitrogen in the ice-covered water column of the Bering Sea eastern shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 109, 100-111.	1.4	33

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19	The proportion of remineralized nitrate on the ice-covered eastern Bering Sea shelf evidenced from the oxygen isotope ratio of nitrate. <i>Global Biogeochemical Cycles</i> , 2013, 27, 962-971.	4.9	30
20	Arctic Ocean stratification set by sea level and freshwater inputs since the last ice age. <i>Nature Geoscience</i> , 2021, 14, 684-689.	12.9	27
21	On-shelf Nutrient Trapping Enhances the Fertility of the Southern Benguela Upwelling System. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015948.	2.6	23
22	Remote Western Arctic Nutrients Fuel Remineralization in Deep Baffin Bay. <i>Global Biogeochemical Cycles</i> , 2019, 33, 649-667.	4.9	22
23	High N ₂ Fixation in and Near the Gulf Stream Consistent with a Circulation Control on Diazotrophy. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089103.	4.0	14
24	The influence of sample matrix on the accuracy of nitrite N and O isotope ratio analyses with the azide method. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8569.	1.5	11
25	Pelagic N ₂ fixation dominated by sediment diazotrophic communities in a shallow temperate estuary. <i>Limnology and Oceanography</i> , 2022, 67, 364-378.	3.1	9
26	The Angola Gyre is a hotspot of dinitrogen fixation in the South Atlantic Ocean. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	9
27	Seasonality of nitrogen sources, cycling, and loading in a New England river discerned from nitrate isotope ratios. <i>Biogeosciences</i> , 2021, 18, 3421-3444.	3.3	6
28	An Investigation Into the Origin of Nitrate in Arctic Sea Ice. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006279.	4.9	5
29	Physical and Biogeochemical Influences on Nutrients Through the Canadian Arctic Archipelago: Insights From Nitrate Isotope Ratios. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	2.6	5
30	Influence of sample volume on nitrate N and O isotope ratio analyses with the denitrifier method. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9224.	1.5	3
31	Questioning High Nitrogen Fixation Rate Measurements in the Southern Ocean. <i>Nature Geoscience</i> , 2022, 15, 29-30.	12.9	3