

Daniel M Sigman

List of Publications by Year in descending order

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197
papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Controls on the nitrogen isotopic composition of fish otolith organic matter: Lessons from a controlled diet switch experiment. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 69-86.	3.9	7
2	Cenozoic megatooth sharks occupied extremely high trophic positions. <i>Science Advances</i> , 2022, 8, .	10.3	15
3	The Angola Gyre is a hotspot of dinitrogen fixation in the South Atlantic Ocean. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	9
4	The Southern Ocean during the ice ages: A review of the Antarctic surface isolation hypothesis, with comparison to the North Pacific. <i>Quaternary Science Reviews</i> , 2021, 254, 106732.	3.0	46
5	Correlation between the carbon isotopic composition of planktonic foraminifera-bound organic matter and surface water pCO ₂ across the equatorial Pacific. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 281-303.	3.9	5
6	Nitrogen isotopes in tooth enamel record diet and trophic level enrichment: Results from a controlled feeding experiment. <i>Chemical Geology</i> , 2021, 563, 120047.	3.3	28
7	Ice Age–Holocene Similarity of Foraminifera–Bound Nitrogen Isotope Ratios in the Eastern Equatorial Pacific. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004063.	2.9	13
8	Distinct nitrogen isotopic compositions of healthy and cancerous tissue in mice brain and head&neck micro-biopsies. <i>BMC Cancer</i> , 2021, 21, 805.	2.6	3
9	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
10	Nitrogen isotopic constraints on nutrient transport to the upper ocean. <i>Nature Geoscience</i> , 2021, 14, 855-861.	12.9	17
11	Comparison of the isotopic composition of fish otolith-bound organic N with host tissue. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2020, 77, 264-275.	1.4	8
12	The Nitrogen Isotopic Composition of Tissue and Shell–Bound Organic Matter of Planktic Foraminifera in Southern Ocean Surface Waters. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008440.	2.5	20
13	Megacity development and the demise of coastal coral communities: Evidence from coral skeleton ¹⁵ N records in the Pearl River estuary. <i>Global Change Biology</i> , 2020, 26, 1338-1353.	9.5	30
14	Uptake of groundwater nitrogen by a near-shore coral reef community on Bermuda. <i>Coral Reefs</i> , 2020, 39, 215-228.	2.2	5
15	Dissolved Organic Nitrogen Cycling in the South China Sea From an Isotopic Perspective. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006551.	4.9	18
16	Southern Ocean upwelling, Earth’s obliquity, and glacial-interglacial atmospheric CO ₂ change. <i>Science</i> , 2020, 370, 1348-1352.	12.6	57
17	Global Nitrogen Cycle: Critical Enzymes, Organisms, and Processes for Nitrogen Budgets and Dynamics. <i>Chemical Reviews</i> , 2020, 120, 5308-5351.	47.7	167
18	Nitrate isotopic gradients in the North Atlantic Ocean and the nitrogen isotopic composition of sinking organic matter. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 145, 109-124.	1.4	18

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19	Gulf Stream intensification after the early Pliocene shoaling of the Central American Seaway. <i>Earth and Planetary Science Letters</i> , 2019, 520, 268-278.	4.4	15
20	Nitrogen isotope evidence for expanded ocean suboxia in the early Cenozoic. <i>Science</i> , 2019, 364, 386-389.	12.6	43
21	The residence time of Southern Ocean surface waters and the 100,000-year ice age cycle. <i>Science</i> , 2019, 363, 1080-1084.	12.6	58
22	The isotope effect of nitrate assimilation in the Antarctic Zone: Improved estimates and paleoceanographic implications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 261-279.	3.9	28
23	Nitrogen Isotopes in the Ocean. , 2019, , 263-278.		53
24	Effect of iron limitation on the isotopic composition of cellular and released fixed nitrogen in <i>Azotobacter vinelandii</i> . <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 12-23.	3.9	9
25	Response to Comment by Zeebe and Tyrrell on "The Effects of Secular Calcium and Magnesium Concentration Changes on the Thermodynamics of Seawater Acid/Base Chemistry: Implications for the Eocene and Cretaceous Ocean Carbon Chemistry and Buffering". <i>Global Biogeochemical Cycles</i> , 2018, 32, 898-901.	4.9	8
26	Nitrogen uptake and nitrification in the subarctic North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2018, 63, 1462-1487.	3.1	36
27	Nitrogen isotopic analysis of carbonate-bound organic matter in modern and fossil fish otoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 200-222.	3.9	34
28	A Seasonal Model of Nitrogen Isotopes in the Ice Age Antarctic Zone: Support for Weakening of the Southern Ocean Upper Overturning Cell. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1453-1471.	2.9	12
29	Natural forcing of the North Atlantic nitrogen cycle in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10606-10611.	7.1	29
30	Low-nutrient organic matter in the Sargasso Sea thermocline: A hypothesis for its role, identity, and carbon cycle implications. <i>Marine Chemistry</i> , 2018, 207, 108-123.	2.3	36
31	Advances in planktonic foraminifer research: New perspectives for paleoceanography. <i>Revue De Micropaleontologie</i> , 2018, 61, 113-138.	0.4	32
32	The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223.	3.3	257
33	Ground-truthing the planktic foraminifer-bound nitrogen isotope paleo-proxy in the Sargasso Sea. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 463-482.	3.9	29
34	Increased nutrient supply to the Southern Ocean during the Holocene and its implications for the pre-industrial atmospheric CO ₂ rise. <i>Nature Geoscience</i> , 2018, 11, 756-760.	12.9	40
35	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
36	Life and death of a sewage treatment plant recorded in a coral skeleton $\delta^{15}\text{N}$ record. <i>Marine Pollution Bulletin</i> , 2017, 120, 109-116.	5.0	16

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37	21st-century rise in anthropogenic nitrogen deposition on a remote coral reef. <i>Science</i> , 2017, 356, 749-752.	12.6	105
38	Deep-sea coral evidence for lower Southern Ocean surface nitrate concentrations during the last ice age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3352-3357.	7.1	57
39	Variation of summer phytoplankton community composition and its relationship to nitrate and regenerated nitrogen assimilation across the North Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 121, 79-94.	1.4	20
40	Recycled iron fuels new production in the eastern equatorial Pacific Ocean. <i>Nature Communications</i> , 2017, 8, 1100.	12.8	43
41	Active Pacific meridional overturning circulation (PMOC) during the warm Pliocene. <i>Science Advances</i> , 2017, 3, e1700156.	10.3	55
42	Impact of glacial/interglacial sea level change on the ocean nitrogen cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6759-E6766.	7.1	55
43	Aerobic respiration along isopycnals leads to overestimation of the isotope effect of denitrification in the ocean water column. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 197, 417-432.	3.9	17
44	Tropical Dominance of N ₂ Fixation in the North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1608-1623.	4.9	38
45	Updates to instrumentation and protocols for isotopic analysis of nitrate by the denitrifier method. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1365-1383.	1.5	145
46	Spatial distribution and temporal variation of nitrate nitrogen and oxygen isotopes in the upper equatorial Pacific Ocean. <i>Limnology and Oceanography</i> , 2016, 61, 14-31.	3.1	48
47	Influence of open ocean nitrogen supply on the skeletal $\delta^{15}\text{N}$ of modern shallow-water scleractinian corals. <i>Earth and Planetary Science Letters</i> , 2016, 441, 125-132.	4.4	34
48	Enzyme-mediated interconversion of nitrate and nitrite in the fall mixed layer of the Antarctic Ocean. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1069-1085.	4.9	35
49	Photosymbiosis and the expansion of shallow-water corals. <i>Science Advances</i> , 2016, 2, e1601122.	10.3	65
50	No iron fertilization in the equatorial Pacific Ocean during the last ice age. <i>Nature</i> , 2016, 529, 519-522.	27.8	63
51	Nitrogen isotopic composition of organic matter from a 168 year-old coral skeleton: Implications for coastal nutrient cycling in the Great Barrier Reef Lagoon. <i>Earth and Planetary Science Letters</i> , 2016, 434, 161-170.	4.4	25
52	Marine biogenic source of atmospheric organic nitrogen in the subtropical North Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 925-930.	7.1	71
53	Analysis of Nitric Oxide Isotopes via Differential Faraday Rotation Spectroscopy. , 2016, , .		0
54	Isotopic evidence for nitrification in the Antarctic winter mixed layer. <i>Global Biogeochemical Cycles</i> , 2015, 29, 427-445.	4.9	47

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55	The effects of secular calcium and magnesium concentration changes on the thermodynamics of seawater acid/base chemistry: Implications for Eocene and Cretaceous ocean carbon chemistry and buffering. <i>Global Biogeochemical Cycles</i> , 2015, 29, 517-533.	4.9	63
56	Antarctic Zone nutrient conditions during the last two glacial cycles. <i>Paleoceanography</i> , 2015, 30, 845-862.	3.0	88
57	Glacial-to-interglacial changes in nitrate supply and consumption in the subarctic North Pacific from microfossil-bound N isotopes at two trophic levels. <i>Paleoceanography</i> , 2015, 30, 1217-1232.	3.0	30
58	High turnover rates indicated by changes in the fixed $\delta^{15}\text{N}$ forms and their stable isotopes in Antarctic landfast sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3079-3097.	2.6	28
59	Nitric Oxide Isotopic Analyzer Based on a Compact Dual-Modulation Faraday Rotation Spectrometer. <i>Sensors</i> , 2015, 15, 25992-26008.	3.8	10
60	Coupled nitrate N and O stable isotope fractionation by a natural marine plankton consortium. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	11
61	Controls on the nitrogen isotopic composition of shallow water corals across a tropical reef flat transect. <i>Coral Reefs</i> , 2015, 34, 329-338.	2.2	25
62	Vertical decoupling of nitrate assimilation and nitrification in the Sargasso Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 64-72.	1.4	34
63	Nitrate isotope distributions on the US GEOTRACES North Atlantic cross-basin section: Signals of polar nitrate sources and low latitude nitrogen cycling. <i>Marine Chemistry</i> , 2015, 177, 143-156.	2.3	55
64	Isotopic composition of skeleton-bound organic nitrogen in reef-building symbiotic corals: A new method and proxy evaluation at Bermuda. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 179-190.	3.9	67
65	Iron Fertilization of the Subantarctic Ocean During the Last Ice Age. <i>Science</i> , 2014, 343, 1347-1350.	12.6	350
66	Nitrogen isotope fractionation by alternative nitrogenases and past ocean anoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4782-4787.	7.1	158
67	A stagnation event in the deep South Atlantic during the last interglacial period. <i>Science</i> , 2014, 346, 1514-1517.	12.6	62
68	New insights into sea ice nitrogen biogeochemical dynamics from the nitrogen isotopes. <i>Global Biogeochemical Cycles</i> , 2014, 28, 115-130.	4.9	53
69	Isotopic composition of carbonate-bound organic nitrogen in deep-sea scleractinian corals: A new window into past biogeochemical change. <i>Earth and Planetary Science Letters</i> , 2014, 400, 243-250.	4.4	34
70	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
71	Distinct roles of the Southern Ocean and North Atlantic in the deglacial atmospheric radiocarbon decline. <i>Earth and Planetary Science Letters</i> , 2014, 394, 198-208.	4.4	55
72	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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73	The counterintuitive effect of summer–fall mixed layer deepening on eukaryotic new production in the Sargasso Sea. <i>Global Biogeochemical Cycles</i> , 2014, 28, 86-102.	4.9	45
74	Isotopic Ratiometry of Nitric Oxide using a Dual-modulation Faraday Rotation Spectrometer. , 2014, , .		0
75	Isotopic evidence for a marine ammonium source in rainwater at Bermuda. <i>Global Biogeochemical Cycles</i> , 2014, 28, 1066-1080.	4.9	59
76	Nitrogen isotopic response of prokaryotic and eukaryotic phytoplankton to nitrate availability in Sargasso Sea surface waters. <i>Limnology and Oceanography</i> , 2014, 59, 972-985.	3.1	26
77	Nitrogen losses in anoxic marine sediments driven by Thioploca–anammox bacterial consortia. <i>Nature</i> , 2013, 500, 194-198.	27.8	96
78	Changes in North Atlantic nitrogen fixation controlled by ocean circulation. <i>Nature</i> , 2013, 501, 200-203.	27.8	75
79	Isotopic composition of rainwater nitrate at Bermuda: The influence of air mass source and chemistry in the marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,304.	3.3	51
80	Size-specific opal-bound nitrogen isotope measurements in North Pacific sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 179-194.	3.9	14
81	Deglacial pulses of deep-ocean silicate into the subtropical North Atlantic Ocean. <i>Nature</i> , 2013, 495, 495-498.	27.8	75
82	Links between tropical rainfall and North Atlantic climate during the last glacial period. <i>Nature Geoscience</i> , 2013, 6, 213-217.	12.9	303
83	Diagenetic aluminum uptake into diatom frustules and the preservation of diatom-bound organic nitrogen. <i>Marine Chemistry</i> , 2013, 155, 92-101.	2.3	27
84	Cleaning methods for the isotopic determination of diatom-bound nitrogen in non-fossil diatom frustules. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 101-112.	2.0	23
85	Two Modes of Change in Southern Ocean Productivity Over the Past Million Years. <i>Science</i> , 2013, 339, 1419-1423.	12.6	194
86	Time-transgressive North Atlantic productivity changes upon Northern Hemisphere glaciation. <i>Paleoceanography</i> , 2013, 28, 740-751.	3.0	39
87	Coupled nitrate nitrogen and oxygen isotopes and organic matter remineralization in the Southern and Pacific Oceans. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4781-4794.	2.6	84
88	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
89	Insights into anthropogenic nitrogen deposition to the North Atlantic investigated using the isotopic composition of aerosol and rainwater nitrate. <i>Geophysical Research Letters</i> , 2013, 40, 5977-5982.	4.0	37
90	Nutrient conditions in the subpolar North Atlantic during the last glacial period reconstructed from foraminifera-bound nitrogen isotopes. <i>Paleoceanography</i> , 2013, 28, 79-90.	3.0	17

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91	Molecular characterization of water soluble organic nitrogen in marine rainwater by ultra-high resolution electrospray ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3557-3571.	4.9	67
92	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
93	The distinct nitrogen isotopic compositions of low and high molecular weight marine DON. <i>Marine Chemistry</i> , 2012, 136-137, 24-33.	2.3	23
94	Enhanced stratification and seasonality in the Subarctic Pacific upon Northern Hemisphere Glaciation—New evidence from diatom-bound nitrogen isotopes, alkenones and archaeal tetraethers. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 84-94.	4.4	39
95	The origin of NO ₃ ⁻ and N ₂ in deep subsurface fracture water of South Africa. <i>Chemical Geology</i> , 2012, 294-295, 51-62.	3.3	33
96	Reduced isotope fractionation by denitrification under conditions relevant to the ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 243-259.	3.9	125
97	Subsurface tropical Pacific nitrogen isotopic composition of nitrate: Biogeochemical signals and their transport. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	68
98	Elevated foraminifera-bound nitrogen isotopic composition during the last ice age in the South China Sea and its global and regional implications. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	29
99	North Atlantic ventilation of “southern”-sourced deep water in the glacial ocean. <i>Paleoceanography</i> , 2012, 27, .	3.0	32
100	Nitrogen isotopic composition of planktonic foraminifera from the modern ocean and recent sediments. <i>Limnology and Oceanography</i> , 2012, 57, 1011-1024.	3.1	63
101	Sustained losses of bioavailable nitrogen from montane tropical forests. <i>Nature Geoscience</i> , 2012, 5, 123-126.	12.9	92
102	Interbasin isotopic correspondence between upper-ocean bulk DON and subsurface nitrate and its implications for marine nitrogen cycling. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	74
103	Shortcomings of the isolated abyssal reservoir model for deglacial radiocarbon changes in the mid-depth Indo-Pacific Ocean. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	40
104	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
105	Nitrogen isotopic relationship between diatom-bound and bulk organic matter of cultured polar diatoms. <i>Paleoceanography</i> , 2011, 26, .	3.0	37
106	Deglacial nitrogen isotope changes in the Gulf of Mexico: Evidence from bulk sedimentary and foraminifera-bound nitrogen in Orca Basin sediments. <i>Paleoceanography</i> , 2011, 26, .	3.0	21
107	Southern Ocean dust—climate coupling over the past four million years. <i>Nature</i> , 2011, 476, 312-315.	27.8	298
108	Denitrification in anoxic sediments supported by biological nitrate transport. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7180-7199.	3.9	63

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109	Assimilation of upwelled nitrate by small eukaryotes in the Sargasso Sea. <i>Nature Geoscience</i> , 2011, 4, 717-722.	12.9	173
110	Reduced Interannual Rainfall Variability in East Africa During the Last Ice Age. <i>Science</i> , 2011, 333, 743-747.	12.6	146
111	The flux and isotopic composition of reduced and total nitrogen in Bermuda rain. <i>Marine Chemistry</i> , 2010, 120, 83-89.	2.3	66
112	The polar ocean and glacial cycles in atmospheric CO ₂ concentration. <i>Nature</i> , 2010, 466, 47-55.	27.8	625
113	Carbon dioxide effects of Antarctic stratification, North Atlantic Intermediate Water formation, and subantarctic nutrient drawdown during the last ice age: Diagnosis and synthesis in a geochemical box model. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	120
114	Poleward decrease in the isotope effect of nitrate assimilation across the Southern Ocean. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	49
115	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
116	A pervasive link between Antarctic ice core and subarctic Pacific sediment records over the past 800kyrs. <i>Quaternary Science Reviews</i> , 2010, 29, 206-212.	3.0	68
117	Glacial/interglacial changes in nutrient supply and stratification in the western subarctic North Pacific since the penultimate glacial maximum. <i>Quaternary Science Reviews</i> , 2010, 29, 2579-2590.	3.0	86
118	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
119	Polar twins. <i>Nature Geoscience</i> , 2009, 2, 91-92.	12.9	14
120	The dual isotopes of deep nitrate as a constraint on the cycle and budget of oceanic fixed nitrogen. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 1419-1439.	1.4	177
121	Controls on sedimentary nitrogen isotopes along the Chile margin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 1042-1054.	1.4	52
122	Subarctic Pacific evidence for a glacial deepening of the oceanic respired carbon pool. <i>Earth and Planetary Science Letters</i> , 2009, 277, 156-165.	4.4	129
123	Upper ocean nitrogen fluxes in the Polar Antarctic Zone: Constraints from the nitrogen and oxygen isotopes of nitrate. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	59
124	Foraminiferal Isotope Evidence of Reduced Nitrogen Fixation in the Ice Age Atlantic Ocean. <i>Science</i> , 2009, 323, 244-248.	12.6	147
125	Sinking organic matter spreads the nitrogen isotope signal of pelagic denitrification in the North Pacific. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	66
126	An abrupt wind shift in western Europe at the onset of the Younger Dryas cold period. <i>Nature Geoscience</i> , 2008, 1, 520-523.	12.9	259

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127	Nitrate isotopic composition between Bermuda and Puerto Rico: Implications for N ₂ fixation in the Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	113
128	Consistent relationship between global climate and surface nitrate utilization in the western subarctic Pacific throughout the last 500 ka. <i>Paleoceanography</i> , 2008, 23, .	3.0	78
129	Nitrogen isotopic evidence for a poleward decrease in surface nitrate within the ice age Antarctic. <i>Quaternary Science Reviews</i> , 2008, 27, 1076-1090.	3.0	86
130	Nitrogen and oxygen isotope fractionation during dissimilatory nitrate reduction by denitrifying bacteria. <i>Limnology and Oceanography</i> , 2008, 53, 2533-2545.	3.1	360
131	Atlantic Dominance of the Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2008, 38, 435-450.	1.7	55
132	Nitrogen in Past Marine Environments. , 2008, , 1497-1535.		28
133	Variation of Nitrate Concentrations and $\delta^{15}\text{N}$ Values of Seawater in the Drake Passage, Antarctic Ocean. <i>Ocean and Polar Research</i> , 2008, 30, 407-418.	0.3	0
134	A climate-driven switch in plant nitrogen acquisition within tropical forest communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8902-8906.	7.1	234
135	Nitrogen and oxygen isotopic constraints on the origin of atmospheric nitrate in coastal Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 1925-1945.	4.9	196
136	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
137	Antarctic stratification, atmospheric water vapor, and Heinrich Events: A hypothesis for Late Pleistocene deglaciations. <i>Geophysical Monograph Series</i> , 2007, , 335-349.	0.1	14
138	Triple Oxygen Isotope Analysis of Nitrate Using the Denitrifier Method and Thermal Decomposition of N ₂ O. <i>Analytical Chemistry</i> , 2007, 79, 599-607.	6.5	226
139	Evidence from diatom-bound nitrogen isotopes for subarctic Pacific stratification during the last ice age and a link to North Pacific denitrification changes. <i>Paleoceanography</i> , 2007, 22, n/a-n/a.	3.0	119
140	Effect of global ocean temperature change on deep ocean ventilation. <i>Paleoceanography</i> , 2007, 22, .	3.0	59
141	Detailed sedimentary N isotope records from Cariaco Basin for Terminations I and V: Local and global implications. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	4.9	24
142	Spatial coupling of nitrogen inputs and losses in the ocean. <i>Nature</i> , 2007, 445, 163-167.	27.8	618
143	Influence of the intertropical convergence zone on the East Asian monsoon. <i>Nature</i> , 2007, 445, 74-77.	27.8	781
144	Carbon dioxide release from the North Pacific abyss during the last deglaciation. <i>Nature</i> , 2007, 449, 890-893.	27.8	201

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145	Yancheva et al. reply. Nature, 2007, 450, E8-E9.	27.8	9
146	Yancheva et al. reply. Nature, 2007, 450, E11-E11.	27.8	6
147	Spatial coupling of nitrogen inputs and losses in the ocean. Nature, 2007, 445, 163-167.	27.8	379
148	Isotopic evidence for large gaseous nitrogen losses from tropical rainforests. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8745-8750.	7.1	282
149	Correction to "Coupled nitrogen and oxygen isotope measurements of nitrate along the eastern North Pacific margin". Global Biogeochemical Cycles, 2006, 20, n/a-n/a.	4.9	5
150	Nitrogen isotope constraints on subantarctic biogeochemistry. Journal of Geophysical Research, 2006, 111, .	3.3	70
151	A method for nitrite removal in nitrate N and O isotope analyses. Limnology and Oceanography: Methods, 2006, 4, 205-212.	2.0	70
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