

Daniel M Sigman

List of Publications by Year in descending order

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197
papers

28,209
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times ranked

17991
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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. | 1.6 | 7 |
| 2 | Cenozoic megatooth sharks occupied extremely high trophic positions. <i>Science Advances</i> , 2022, 8, . | 4.7 | 15 |
| 3 | The Angola Gyre is a hotspot of dinitrogen fixation in the South Atlantic Ocean. <i>Communications Earth & Environment</i> , 2022, 3, . | 2.6 | 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. | 1.4 | 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. | 1.6 | 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. | 1.4 | 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. | 1.3 | 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. | 1.1 | 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. | 5.4 | 27 |
| 10 | Nitrogen isotopic constraints on nutrient transport to the upper ocean. <i>Nature Geoscience</i> , 2021, 14, 855-861. | 5.4 | 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. | 0.7 | 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. | 1.0 | 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. | 4.2 | 30 |
| 14 | Uptake of groundwater nitrogen by a near-shore coral reef community on Bermuda. <i>Coral Reefs</i> , 2020, 39, 215-228. | 0.9 | 5 |
| 15 | Dissolved Organic Nitrogen Cycling in the South China Sea From an Isotopic Perspective. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006551. | 1.9 | 18 |
| 16 | Southern Ocean upwelling, Earth’s obliquity, and glacial-interglacial atmospheric CO ₂ change. <i>Science</i> , 2020, 370, 1348-1352. | 6.0 | 57 |
| 17 | Global Nitrogen Cycle: Critical Enzymes, Organisms, and Processes for Nitrogen Budgets and Dynamics. <i>Chemical Reviews</i> , 2020, 120, 5308-5351. | 23.0 | 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. | 0.6 | 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. | 1.8 | 15 |
| 20 | Nitrogen isotope evidence for expanded ocean suboxia in the early Cenozoic. <i>Science</i> , 2019, 364, 386-389. | 6.0 | 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. | 6.0 | 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. | 1.6 | 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. | 1.6 | 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. | 1.9 | 8 |
| 26 | Nitrogen uptake and nitrification in the subarctic North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2018, 63, 1462-1487. | 1.6 | 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. | 1.6 | 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. | 1.3 | 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. | 3.3 | 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. | 0.9 | 36 |
| 31 | Advances in planktonic foraminifer research: New perspectives for paleoceanography. <i>Revue De Micropaleontologie</i> , 2018, 61, 113-138. | 0.8 | 32 |
| 32 | The GEOTRACES Intermediate Data Product 2017. <i>Chemical Geology</i> , 2018, 493, 210-223. | 1.4 | 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. | 1.6 | 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. | 5.4 | 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. | 1.0 | 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. | 2.3 | 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. | 6.0 | 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. | 3.3 | 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. | 0.6 | 20 |
| 40 | Recycled iron fuels new production in the eastern equatorial Pacific Ocean. <i>Nature Communications</i> , 2017, 8, 1100. | 5.8 | 43 |
| 41 | Active Pacific meridional overturning circulation (PMOC) during the warm Pliocene. <i>Science Advances</i> , 2017, 3, e1700156. | 4.7 | 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. | 3.3 | 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. | 1.6 | 17 |
| 44 | Tropical Dominance of N ₂ Fixation in the North Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1608-1623. | 1.9 | 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. | 0.7 | 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. | 1.6 | 48 |
| 47 | Influence of open ocean nitrogen supply on the skeletal $\delta^{15}N$ of modern shallow-water scleractinian corals. <i>Earth and Planetary Science Letters</i> , 2016, 441, 125-132. | 1.8 | 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. | 1.9 | 35 |
| 49 | Photosymbiosis and the expansion of shallow-water corals. <i>Science Advances</i> , 2016, 2, e1601122. | 4.7 | 65 |
| 50 | No iron fertilization in the equatorial Pacific Ocean during the last ice age. <i>Nature</i> , 2016, 529, 519-522. | 13.7 | 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. | 1.8 | 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. | 3.3 | 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. | 1.9 | 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. | 1.9 | 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 $\langle \text{N} \rangle$ forms and their stable isotopes in $\langle \text{A} \rangle$ antarctic landfast sea ice. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3079-3097. | 1.0 | 28 |
| 59 | Nitric Oxide Isotopic Analyzer Based on a Compact Dual-Modulation Faraday Rotation Spectrometer. <i>Sensors</i> , 2015, 15, 25992-26008. | 2.1 | 10 |
| 60 | Coupled nitrate N and O stable isotope fractionation by a natural marine plankton consortium. <i>Frontiers in Marine Science</i> , 2015, 2, . | 1.2 | 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. | 0.9 | 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. | 0.6 | 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. | 0.9 | 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. | 1.6 | 67 |
| 65 | Iron Fertilization of the Subantarctic Ocean During the Last Ice Age. <i>Science</i> , 2014, 343, 1347-1350. | 6.0 | 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. | 3.3 | 158 |
| 67 | A stagnation event in the deep South Atlantic during the last interglacial period. <i>Science</i> , 2014, 346, 1514-1517. | 6.0 | 62 |
| 68 | New insights into sea ice nitrogen biogeochemical dynamics from the nitrogen isotopes. <i>Global Biogeochemical Cycles</i> , 2014, 28, 115-130. | 1.9 | 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. | 1.8 | 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. | 1.6 | 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. | 1.8 | 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. | 0.6 | 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. | 1.9 | 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. | 1.9 | 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. | 1.6 | 26 |
| 77 | Nitrogen losses in anoxic marine sediments driven by Thioploca–anammox bacterial consortia. <i>Nature</i> , 2013, 500, 194-198. | 13.7 | 96 |
| 78 | Changes in North Atlantic nitrogen fixation controlled by ocean circulation. <i>Nature</i> , 2013, 501, 200-203. | 13.7 | 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. | 1.2 | 51 |
| 80 | Size-specific opal-bound nitrogen isotope measurements in North Pacific sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 179-194. | 1.6 | 14 |
| 81 | Deglacial pulses of deep-ocean silicate into the subtropical North Atlantic Ocean. <i>Nature</i> , 2013, 495, 495-498. | 13.7 | 75 |
| 82 | Links between tropical rainfall and North Atlantic climate during the last glacial period. <i>Nature Geoscience</i> , 2013, 6, 213-217. | 5.4 | 303 |
| 83 | Diagenetic aluminum uptake into diatom frustules and the preservation of diatom-bound organic nitrogen. <i>Marine Chemistry</i> , 2013, 155, 92-101. | 0.9 | 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. | 1.0 | 23 |
| 85 | Two Modes of Change in Southern Ocean Productivity Over the Past Million Years. <i>Science</i> , 2013, 339, 1419-1423. | 6.0 | 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. | 1.0 | 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. | 1.9 | 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. | 1.5 | 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. | 1.9 | 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. | 4.6 | 77 |
| 93 | The distinct nitrogen isotopic compositions of low and high molecular weight marine DON. <i>Marine Chemistry</i> , 2012, 136-137, 24-33. | 0.9 | 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. | 1.8 | 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. | 1.4 | 33 |
| 96 | Reduced isotope fractionation by denitrification under conditions relevant to the ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 92, 243-259. | 1.6 | 125 |
| 97 | Subsurface tropical Pacific nitrogen isotopic composition of nitrate: Biogeochemical signals and their transport. <i>Global Biogeochemical Cycles</i> , 2012, 26, . | 1.9 | 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, . | 1.9 | 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. | 1.6 | 63 |
| 101 | Sustained losses of bioavailable nitrogen from montane tropical forests. <i>Nature Geoscience</i> , 2012, 5, 123-126. | 5.4 | 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. | 1.9 | 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. | 1.5 | 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. | 13.7 | 298 |
| 108 | Denitrification in anoxic sediments supported by biological nitrate transport. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7180-7199. | 1.6 | 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. | 5.4 | 173 |
| 110 | Reduced Interannual Rainfall Variability in East Africa During the Last Ice Age. <i>Science</i> , 2011, 333, 743-747. | 6.0 | 146 |
| 111 | The flux and isotopic composition of reduced and total nitrogen in Bermuda rain. <i>Marine Chemistry</i> , 2010, 120, 83-89. | 0.9 | 66 |
| 112 | The polar ocean and glacial cycles in atmospheric CO ₂ concentration. <i>Nature</i> , 2010, 466, 47-55. | 13.7 | 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, . | 1.9 | 120 |
| 114 | Poleward decrease in the isotope effect of nitrate assimilation across the Southern Ocean. <i>Geophysical Research Letters</i> , 2010, 37, . | 1.5 | 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. | 1.6 | 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. | 1.4 | 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. | 1.4 | 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. | 0.7 | 263 |
| 119 | Polar twins. <i>Nature Geoscience</i> , 2009, 2, 91-92. | 5.4 | 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. | 0.6 | 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. | 0.6 | 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. | 1.8 | 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, . | 1.0 | 59 |
| 124 | Foraminiferal Isotope Evidence of Reduced Nitrogen Fixation in the Ice Age Atlantic Ocean. <i>Science</i> , 2009, 323, 244-248. | 6.0 | 147 |
| 125 | Sinking organic matter spreads the nitrogen isotope signal of pelagic denitrification in the North Pacific. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 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. | 5.4 | 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, . | 1.9 | 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. | 1.4 | 86 |
| 130 | Nitrogen and oxygen isotope fractionation during dissimilatory nitrate reduction by denitrifying bacteria. <i>Limnology and Oceanography</i> , 2008, 53, 2533-2545. | 1.6 | 360 |
| 131 | Atlantic Dominance of the Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2008, 38, 435-450. | 0.7 | 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. | 3.3 | 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. | 1.9 | 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. | 1.6 | 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. | 3.2 | 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 |
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