

Naohiro Yoshida

List of Publications by Year in descending order

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281
papers

11,672
citations

26630

56
h-index

43889

91
g-index

318
all docs

318
docs citations

318
times ranked

9500
citing authors

#	ARTICLE	IF	CITATIONS
1	Isotopically characterised N ₂ O reference materials for use as community standards. Rapid Communications in Mass Spectrometry, 2022, 36, e9296.	1.5	5
2	Source analysis of dissolved methane in Chukchi Sea and Bering Strait during summer–autumn of 2012 and 2013. Marine Chemistry, 2022, 243, 104119.	2.3	1
3	Clumped isotope signatures of nitrous oxide formed by bacterial denitrification. Geochimica Et Cosmochimica Acta, 2022, 328, 120-129.	3.9	1
4	Hydrocarbon Cycling in the Tokamachi Mud Volcano (Japan): Insights from Isotopologue and Metataxonomic Analyses. Microorganisms, 2022, 10, 1417.	3.6	8
5	Network analysis and functional estimation of the microbiome reveal the effects of cashew nut shell liquid feeding on methanogen behaviour in the rumen. Microbial Biotechnology, 2021, 14, 277-290.	4.2	12
6	Theoretical calculation of position-specific carbon and hydrogen isotope equilibriums in butane isomers. Chemical Geology, 2021, 561, 120031.	3.3	2
7	Regional Characteristics of Atmospheric Sulfate Formation in East Antarctica Imprinted on ¹⁷ O-Excess Signature. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033583.	3.3	9
8	Distribution and Production Mechanisms of N ₂ O in the Western Arctic Ocean. Global Biogeochemical Cycles, 2021, 35, e2020GB006881.	4.9	11
9	Isotopic evidence for acidity-driven enhancement of sulfate formation after SO ₂ emission control. Science Advances, 2021, 7, .	10.3	24
10	InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009588.	2.5	110
11	Isotopic constraints on atmospheric sulfate formation pathways in the Mt. Everest region, southern Tibetan Plateau. Atmospheric Chemistry and Physics, 2021, 21, 8357-8376.	4.9	16
12	Doubly substituted isotopologues of methane hydrate (13CH3D and 12CH2D2): Implications for methane clumped isotope effects, source apportionments and global hydrate reservoirs. Geochimica Et Cosmochimica Acta, 2021, 315, 127-151.	3.9	21
13	Revisiting the involvement of ammonia oxidizers and denitrifiers in nitrous oxide emission from cropland soils. Environmental Pollution, 2021, 287, 117494.	7.5	10
14	Multiple sulfur isotope chemostratigraphy across the Permian–Triassic boundary at Chaotian, China: Implications for a shoaling model of toxic deep-sea waters. Island Arc, 2021, 30, e12398.	1.1	6
15	The effect of H2O2 treatment on stable isotope analysis (¹³ C, ¹⁸ O and ⁴⁷) of various carbonate minerals. Chemical Geology, 2020, 532, 119352.	3.3	13
16	HO Generation Above Sprite-Producing Thunderstorms Derived from Low-Noise SMILES Observation Spectra. Geophysical Research Letters, 2020, 47, e60090.	4.0	6
17	Temperature control on wastewater and downstream nitrous oxide emissions in an urbanized river system. Water Research, 2020, 187, 116417.	11.3	17
18	Isotopic constraints on the formation pathways and sources of atmospheric nitrate in the Mt. Everest region. Environmental Pollution, 2020, 267, 115274.	7.5	9

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19	Stratospheric Incursion as a Source of Enhancement of the Isotopic Ratios of Atmospheric N ₂ O at Western Pacific. <i>Earth and Space Science</i> , 2020, 7, e2020EA001102.	2.6	8
20	Constraining the atmospheric OCS budget from sulfur isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20447-20452.	7.1	16
21	A Complete Isotope ($\delta^{15}\text{N}$, $\delta^{18}\text{O}$, $\delta^{17}\text{O}$) Investigation of Atmospherically Deposited Nitrate in Glacial-Hydrologic Systems Across the Third Pole Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031878.	3.3	6
22	First investigation and absolute calibration of clumped isotopes in N ₂ O by mid-infrared laser spectroscopy. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8836.	1.5	7
23	What can we learn from N ₂ O isotope data? Analytics, processes and modelling. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8858.	1.5	67
24	Intramolecular ¹³ C isotope distributions of butane from natural gases. <i>Chemical Geology</i> , 2020, 541, 119571.	3.3	15
25	Validation of acetonitrile (CH ₃ CN) measurements in the stratosphere and lower mesosphere from the SMILES instrument on the International Space Station. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2119-2129.	3.1	0
26	1,3-Butadiene Production by Crotyl Alcohol Dehydration over Solid Acids and Catalyst Deactivation by Water Adsorption. <i>Journal of the Japan Petroleum Institute</i> , 2020, 63, 70-78.	0.6	8
27	Isotopic evidence for seasonality of microbial internal nitrogen cycles in a temperate forested catchment with heavy snowfall. <i>Science of the Total Environment</i> , 2019, 690, 290-299.	8.0	15
28	Metals likely promoted protometabolism in early ocean alkaline hydrothermal systems. <i>Science Advances</i> , 2019, 5, eaav7848.	10.3	68
29	Response of N ₂ O production rate to ocean acidification in the western North Pacific. <i>Nature Climate Change</i> , 2019, 9, 954-958.	18.8	31
30	Homogeneous sulfur isotope signature in East Antarctica and implication for sulfur source shifts through the last glacial-interglacial cycle. <i>Scientific Reports</i> , 2019, 9, 12378.	3.3	12
31	2600-years of stratospheric volcanism through sulfate isotopes. <i>Nature Communications</i> , 2019, 10, 466.	12.8	40
32	Identifying the origin of nitrous oxide dissolved in deep ocean by concentration and isotopic analyses. <i>Scientific Reports</i> , 2019, 9, 7790.	3.3	15
33	Concept of small satellite UV/visible imaging spectrometer optimized for tropospheric NO ₂ measurements in air quality monitoring. <i>Acta Astronautica</i> , 2019, 160, 421-432.	3.2	2
34	Tracing the sources and formation pathways of atmospheric particulate nitrate over the Pacific Ocean using stable isotopes. <i>Atmospheric Environment</i> , 2019, 209, 152-166.	4.1	32
35	Intercomparison measurements of two ³³ S-enriched sulfur isotope standards. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1263-1271.	3.0	14
36	Intramolecular isotopic evidence for bacterial oxidation of propane in subsurface natural gas reservoirs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6653-6658.	7.1	44

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37	Large-volume air sample system for measuring $\delta^{34}\text{S}$ isotope ratio of carbonyl sulfide. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1141-1154.	3.1	6
38	Clumped isotope signatures of methane-derived authigenic carbonate presenting equilibrium values of their formation temperatures. <i>Earth and Planetary Science Letters</i> , 2019, 512, 207-213.	4.4	24
39	The Relationship Between the miRNA Sequence and Disease May be Revealed by Focusing on Hydrogen Bonding Sites in RNA-RNA Interactions. <i>Cells</i> , 2019, 8, 1615.	4.1	1
40	Biochar amendment suppresses N_2O emissions but has no impact on ^{15}N site preference in an anaerobic soil. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 165-175.	1.5	6
41	Radioactive ^{35}S emitted from the Fukushima Nuclear Power Plant and its re-suspension from the contaminated area. <i>Geochemical Journal</i> , 2019, 53, 103-118.	1.0	1
42	Control of Al Distribution in the CHA-Type Aluminosilicate Zeolites and Its Impact on the Hydrothermal Stability and Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 3914-3922.	3.7	67
43	The seasonal variations of atmospheric $^{134,137}\text{Cs}$ activity and possible host particles for their resuspension in the contaminated areas of Tsushima and Yamakiya, Fukushima, Japan. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	28
44	Geoelectrochemical CO production: Implications for the autotrophic origin of life. <i>Science Advances</i> , 2018, 4, eaao7265.	10.3	41
45	Position-specific $^{13}\text{C}/^{12}\text{C}$ analysis of amino acid carboxyl groups – automated flow-injection analysis based on reaction with ninhydrin. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 992-1000.	1.5	22
46	A simple and reliable method reducing sulfate to sulfide for multiple sulfur isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 333-341.	1.5	10
47	Meerwein-Ponndorf-Verley Reduction of Crotonaldehyde over Supported Zirconium Oxide Catalysts Using Batch and Tubular Flow Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 70-78.	3.7	11
48	A 60-Year Record of Atmospheric Aerosol Depositions Preserved in a High-Accumulation Dome Ice Core, Southeast Greenland. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 574-589.	3.3	23
49	Vertical distributions of N_2O isotopocules in the equatorial stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 833-844.	4.9	6
50	N_2O production by denitrification in an urban river: evidence from isotopes, functional genes, and dissolved organic matter. <i>Limnology</i> , 2018, 19, 115-126.	1.5	19
51	Expanded uncertainty associated with determination of isotope enrichment factors: Comparison of two point calculation and Rayleigh-plot. <i>Talanta</i> , 2018, 176, 367-373.	5.5	6
52	Solving non-LTE problems in rotational transitions using the Gauss-Seidel method and its implementation in the Atmospheric Radiative Transfer Simulator. <i>Astronomy and Astrophysics</i> , 2018, 619, A181.	5.1	10
53	Preliminary assessment of stable nitrogen and oxygen isotopic composition of USGS51 and USGS52 nitrous oxide reference gases and perspectives on calibration needs. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1207-1214.	1.5	21
54	Spatial distribution of dissolved methane and its source in the western Arctic Ocean. <i>Journal of Oceanography</i> , 2018, 74, 305-317.	1.7	12

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55	Equilibrated clumped isotope signatures of land-snail shells observed from laboratory culturing experiments and its environmental implications. <i>Chemical Geology</i> , 2018, 488, 189-199.	3.3	22
56	Deep-biosphere methane production stimulated by geofluids in the Nankai accretionary complex. <i>Science Advances</i> , 2018, 4, eaao4631.	10.3	79
57	Spatial variation of nitrogen cycling in a subtropical stratified impoundment in southwest China, elucidated by nitrous oxide isotopomer and nitrate isotopes. <i>Inland Waters</i> , 2018, 8, 186-195.	2.2	8
58	Acetaldehyde Production from Ethanol by Eco-Friendly Non-Chromium Catalysts Consisting of Copper and Calcium Silicate. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 11852-11857.	3.7	22
59	Food Water Contribution to the Oxygen Isotope Composition of Land Snail Body Water and Its Environmental Implication. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1800-1808.	2.5	10
60	Characterization of hydrocarbons in aerosols and investigation of biogenic sources as a carrier of radiocesium isotopes. <i>Geochemical Journal</i> , 2018, 52, 163-172.	1.0	6
61	Spatial variation of isotopic compositions of snowpack nitrate related to post-depositional processes in eastern Dronning Maud Land, East Antarctica. <i>Geochemical Journal</i> , 2018, 52, e7-e14.	1.0	14
62	THE KAMURA EVENT DETECTED IN A SHELF FACIE OF NE S. CHINA BLOCK: CARBON ISOTOPE STRATIGRAPHY OF THE CAPITANIAN (PERMIAN) LIMESTONES IN NE JAPAN AND PRIMORYE (FAR EAST RUSSIA). , 2018, , .		0
63	Isotopocule analysis of biologically produced nitrous oxide in various environments. <i>Mass Spectrometry Reviews</i> , 2017, 36, 135-160.	5.4	126
64	Use of a size-resolved 1-D resuspension scheme to evaluate resuspended radioactive material associated with mineral dust particles from the ground surface. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 436-448.	1.7	18
65	N ₂ O production and consumption from stable isotopic and concentration data in the Peruvian coastal upwelling system. <i>Global Biogeochemical Cycles</i> , 2017, 31, 678-698.	4.9	59
66	Carbon isotopic signature reveals the geographical trend in methane consumption and production pathways in alpine ecosystems over the Qinghai-Tibetan Plateau. <i>Isotopes in Environmental and Health Studies</i> , 2017, 53, 597-609.	1.0	5
67	Compound- and position-specific carbon isotopic signatures of abiogenic hydrocarbons from on-land serpentinite-hosted Hakuba Happo hot spring in Japan. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 206, 201-215.	3.9	57
68	Optimal retrieval method to estimate ozone vertical profile in the mesosphere and lower thermosphere (MLT) region from submillimeter-wave limb emission spectra. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 192, 42-52.	2.3	2
69	Multiple sulfur isotope records at the end-Guadalupian (Permian) at Chaotian, China: Implications for a role of bioturbation in the Phanerozoic sulfur cycle. <i>Journal of Asian Earth Sciences</i> , 2017, 135, 70-79.	2.3	17
70	Relative Contribution of <i>nirK</i> and <i>nirS</i> Bacterial Denitrifiers as Well as Fungal Denitrifiers to Nitrous Oxide Production from Dairy Manure Compost. <i>Environmental Science & Technology</i> , 2017, 51, 14083-14091.	10.0	68
71	Seasonal variations of triple oxygen isotopic compositions of atmospheric sulfate, nitrate, and ozone at Dumont d'Urville, coastal Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3713-3727.	4.9	42
72	Diurnal variation of oxygen isotopic enrichment in asymmetric ¹⁸ O ozone observed by the SMILES from space. <i>Geophysical Research Letters</i> , 2017, 44, 6399-6406.	4.0	4

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73	Isotopic Fractionation of Sulfur in Carbonyl Sulfide by Carbonyl Sulfide Hydrolase of <i>Thiobacillus thioautotrophicus</i> TH1115. <i>Microbes and Environments</i> , 2017, 32, 367-375.	1.6	6
74	Isotopically enriched ammonium shows high nitrogen transformation in the pile top zone of dairy manure compost. <i>Biogeosciences</i> , 2016, 13, 1341-1349.	3.3	5
75	Development of automated preparation system for isotopic analysis of N ₂ and O ₂ in various air samples. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2093-2101.	3.1	10
76	Automated system measuring triple oxygen and nitrogen isotope ratios in nitrate using the bacterial method and N ₂ O decomposition by microwave discharge. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2635-2644.	1.5	15
77	Tracking the migration of the Indian continent using the carbonate clumped isotope technique on Phanerozoic soil carbonates. <i>Scientific Reports</i> , 2016, 6, 22187.	3.3	11
78	Measurement of position-specific ¹³ C isotopic composition of propane at the nanomole level. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 177, 205-216.	3.9	66
79	Reassessment of the NH ₄ ⁺ NO ₃ ⁻ thermal decomposition technique for calibration of the N ₂ O isotopic composition. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2487-2496.	1.5	17
80	Differential N ₂ O dynamics in two oxygen-deficient lake basins revealed by stable isotope and isotopomer distributions. <i>Limnology and Oceanography</i> , 2016, 61, 1735-1749.	3.1	26
81	Evaluation of on-line pyrolysis coupled to isotope ratio mass spectrometry for the determination of position-specific ¹³ C isotope composition of short chain n-alkanes (C ₆ –C ₁₂). <i>Talanta</i> , 2016, 153, 158-162.	5.5	11
82	Source identification of nitrous oxide emission pathways from a single-stage nitrification-anammox granular reactor. <i>Water Research</i> , 2016, 102, 147-157.	11.3	106
83	Sulfur Isotopic Fractionation of Carbonyl Sulfide during Degradation by Soil Bacteria. <i>Environmental Science & Technology</i> , 2016, 50, 3537-3544.	10.0	14
84	Measurement of natural carbon isotopic composition of acetone in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1597-1607.	3.7	7
85	A high-resolution chemostratigraphy of post-Marinoan Cap Carbonate using drill core samples in the Three Gorges area, South China. <i>Geoscience Frontiers</i> , 2016, 7, 663-671.	8.4	9
86	Insight into nitrous oxide production processes in the western North Pacific based on a marine ecosystem isotopomer model. <i>Journal of Oceanography</i> , 2016, 72, 491-508.	1.7	13
87	Isotopic characterization of N ₂ and O ₂ dynamics during simulated wastewater treatment under oxic and anoxic conditions. <i>Geochemical Journal</i> , 2016, 50, 105-121.	1.0	5
88	Estimation of methanogenesis by quantification of coenzyme F ₄₃₀ in marine sediments. <i>Geochemical Journal</i> , 2016, 50, 453-460.	1.0	7
89	Nitrogen isotope ratios of nitrate and N* anomalies in the subtropical South Pacific. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1439-1448.	2.5	27
90	Origin and fluxes of nitrous oxide along a latitudinal transect in western North Pacific: Controls and regional significance. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1014-1027.	4.9	15

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91	Rainwater, soil water, and soil nitrate effects on oxygen isotope ratios of nitrous oxide produced in a green tea (<i>Camellia sinensis</i>) field in Japan. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 891-900.	1.5	3
92	Authigenic carbonate precipitation at the end-Guadalupian (Middle Permian) in China: Implications for the carbon cycle in ancient anoxic oceans. <i>Progress in Earth and Planetary Science</i> , 2015, 2, .	3.0	11
93	Analytical method for simultaneous determination of bulk and intramolecular ¹³ C isotope compositions of acetic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2337-2340.	1.5	4
94	Hadal biosphere: Insight into the microbial ecosystem in the deepest ocean on Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1230-6.	7.1	277
95	Photoabsorption cross-section measurements of ³² S, ³³ S, ³⁴ S, and ³⁶ S sulfur dioxide from 190 to 220 nm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2546-2557.	3.3	35
96	Determination of the Sulfur Isotope Ratio in Carbonyl Sulfide Using Gas Chromatography/Isotope Ratio Mass Spectrometry on Fragment Ions ³² S ⁺ , ³³ S ⁺ , and ³⁴ S ⁺ . <i>Analytical Chemistry</i> , 2015, 87, 477-484.	6.5	27
97	N ₂ O production, a widespread trait in fungi. <i>Scientific Reports</i> , 2015, 5, 9697.	3.3	190
98	Decoding Redox Evolution Before Oxygenic Photosynthesis Based on the Sulfur-Mass Independent Fractionation (S-MIF) Record. <i>Origins of Life and Evolution of Biospheres</i> , 2015, 45, 371-374.	1.9	4
99	Position-Specific Isotope Analysis of Xanthines: A ¹³ C Nuclear Magnetic Resonance Method to Determine the ¹³ C Intramolecular Composition at Natural Abundance. <i>Analytical Chemistry</i> , 2015, 87, 6600-6606.	6.5	28
100	The marine environments encompassing the Neoproterozoic glaciations: Evidence from C, Sr and Fe isotope ratios in the Hecla Hoek Supergroup in Svalbard. <i>Precambrian Research</i> , 2015, 263, 19-42.	2.7	28
101	Three-step modernization of the ocean: Modeling of carbon cycles and the revolution of ecological systems in the Ediacaran/Cambrian periods. <i>Geoscience Frontiers</i> , 2015, 6, 121-136.	8.4	12
102	Factors controlling shell carbon isotopic composition of land snail <i>Acusta despecta sieboldiana</i> ; estimated from laboratory culturing experiment. <i>Biogeosciences</i> , 2014, 11, 5335-5348.	3.3	21
103	Determination of Carbon Isotopic Measurement Conditions for Ceramide in Skin using Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry. <i>Journal of Oleo Science</i> , 2014, 63, 1283-1291.	1.4	2
104	Reply to comment on "Origin of methane in serpentinite-hosted hydrothermal systems: The CH ₄ -H ₂ -H ₂ O hydrogen isotope systematics of the Hakuba Happo hot spring" by Suda et al. [<i>Earth Planet. Sci. Lett.</i> 386 (2014) 112-125]. <i>Earth and Planetary Science Letters</i> , 2014, 401, 376-377.	4.4	3
105	Isotopic analysis of N ₂ O produced in a conventional wastewater treatment system operated under different aeration conditions. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1883-1892.	1.5	28
106	Evaluation of commercially available reagents as a reference material for intramolecular carbon isotopic measurements of acetic acid. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1821-1828.	1.5	6
107	Identification of key nitrous oxide production pathways in aerobic partial nitrifying granules. <i>Environmental Microbiology</i> , 2014, 16, 3168-3180.	3.8	49
108	Origin of methane in serpentinite-hosted hydrothermal systems: The CH ₄ -H ₂ -H ₂ O hydrogen isotope systematics of the Hakuba Happo hot spring. <i>Earth and Planetary Science Letters</i> , 2014, 386, 112-125.	4.4	100

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109	Isotopic evidence for water-column denitrification and sulfate reduction at the end-Guadalupian (Middle Permian). <i>Global and Planetary Change</i> , 2014, 123, 110-120.	3.5	29
110	Conditions to obtain precise and true measurements of the intramolecular ¹³ C distribution in organic molecules by isotopic ¹³ C nuclear magnetic resonance spectrometry. <i>Analytica Chimica Acta</i> , 2014, 846, 1-7.	5.4	30
111	Isotopomer analysis of nitrous oxide accumulated in soil cultivated with tea (<i>Camellia sinensis</i>) in Shizuoka, central Japan. <i>Soil Biology and Biochemistry</i> , 2014, 77, 276-291.	8.8	65
112	Interlaboratory assessment of nitrous oxide isotopomer analysis by isotope ratio mass spectrometry and laser spectroscopy: current status and perspectives. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1995-2007.	1.5	89
113	Hydrogen isotope systematics among H ₂ and CH ₄ during the growth of the hydrogenotrophic methanogen <i>Methanothermobacter thermautotrophicus</i> strain I ^H . <i>Geochimica Et Cosmochimica Acta</i> , 2014, 142, 601-614.	3.9	26
114	Isotopomer analysis of production, consumption and soil-to-atmosphere emission processes of N ₂ O at the beginning of paddy field irrigation. <i>Soil Biology and Biochemistry</i> , 2014, 70, 66-78.	8.8	45
115	Methane sources and sinks in the subtropical South Pacific along 17°S as traced by stable isotope ratios. <i>Chemical Geology</i> , 2014, 382, 24-31.	3.3	14
116	The ¹³ C excursions spanning the Cambrian explosion to the Canglangpuian mass extinction in the Three Gorges area, South China. <i>Gondwana Research</i> , 2014, 25, 1045-1056.	6.0	52
117	Molecular fossils extracted from the Early Cambrian section in the Three Gorges area, South China. <i>Gondwana Research</i> , 2014, 25, 1108-1119.	6.0	11
118	Isotopomeric characterization of nitrous oxide produced by reaction of enzymes extracted from nitrifying and denitrifying bacteria. <i>Biogeosciences</i> , 2014, 11, 2679-2689.	3.3	39
119	Development of Methods for Measuring the Intramolecular Carbon Isotopic Composition of Organic Molecules. <i>Bunseki Kagaku</i> , 2014, 63, 195-203.	0.2	0
120	Vertical profile of ¹⁸ O from the middle stratosphere to lower mesosphere from SMILES spectra. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 941-958.	3.1	8
121	Distribution of nitrous oxide dissolved in water masses in the eastern subtropical North Pacific and its origin inferred from isotopomer analysis. <i>Journal of Oceanography</i> , 2013, 69, 147-157.	1.7	26
122	Precision and long-term stability of clumped isotope analysis of CO ₂ using a small-sector isotope ratio mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 207-215.	1.5	15
123	Development of an adiabatic field rotation system to measure spin polarization of unstable nuclei. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 317, 714-716.	1.4	1
124	Irreversible change of the oceanic carbon cycle in the earliest Cambrian: High-resolution organic and inorganic carbon chemostratigraphy in the Three Gorges area, South China. <i>Precambrian Research</i> , 2013, 225, 190-208.	2.7	69
125	Upper Permian carbon isotope stratigraphy at Chaotian, South China: Pre-extinction multiple upwelling of oxygen-depleted water onto continental shelf. <i>Journal of Asian Earth Sciences</i> , 2013, 67-68, 51-62.	2.3	42
126	Stable carbon isotopic evidence of methane consumption and production in three alpine ecosystems on the Qinghai-Tibetan Plateau. <i>Atmospheric Environment</i> , 2013, 77, 338-347.	4.1	19

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127	Geochemical origin of hydrothermal fluid methane in sediment-associated fields and its relevance to the geographical distribution of whole hydrothermal circulation. <i>Chemical Geology</i> , 2013, 339, 213-225.	3.3	70
128	Isotopomer and isotopologue signatures of N ₂ O produced in alpine ecosystems on the Qinghai-Tibetan Plateau. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1517-1526.	1.5	24
129	Development of a new device control system for ¹²⁹ Xe-NMR experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 317, 705-709.	1.4	0
130	Nitrification-driven forms of nitrogen metabolism in microbial mat communities thriving along an ammonium-enriched subsurface geothermal stream. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 113, 152-173.	3.9	23
131	Control of stopping position of radioactive ion beam in superfluid helium for laser spectroscopy experiments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 317, 599-602.	1.4	3
132	Denitrifiers in the surface zone are primarily responsible for the nitrous oxide emission of dairy manure compost. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 329-336.	12.4	27
133	The appearance of an oxygen-depleted condition on the Capitanian disphotic slope/basin in South China: Middle-Upper Permian stratigraphy at Chaotian in northern Sichuan. <i>Global and Planetary Change</i> , 2013, 105, 180-192.	3.5	50
134	Exploration of intramolecular ¹³ C isotope distribution in long chain n-alkanes (C ₁₁ -C ₃₁) using isotopic ¹³ C NMR. <i>Organic Geochemistry</i> , 2013, 62, 56-61.	1.8	43
135	Decrease of seawater CO ₂ concentration in the Late Archean: An implication from 2.6 Ga seafloor hydrothermal alteration. <i>Precambrian Research</i> , 2013, 236, 59-64.	2.7	16
136	Site-specific ¹³ C content by quantitative isotopic ¹³ C Nuclear Magnetic Resonance spectrometry: A pilot inter-laboratory study. <i>Analytica Chimica Acta</i> , 2013, 788, 108-113.	5.4	39
137	Source identification of nitrous oxide on autotrophic partial nitrification in a granular sludge reactor. <i>Water Research</i> , 2013, 47, 7078-7086.	11.3	62
138	SO ₂ photoexcitation mechanism links mass-independent sulfur isotopic fractionation in cryospheric sulfate to climate impacting volcanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17656-17661.	7.1	50
139	Accurate Method for the Determination of Intramolecular ¹³ C Isotope Composition of Ethanol from Aqueous Solutions. <i>Analytical Chemistry</i> , 2013, 85, 6566-6570.	6.5	23
140	Carbon and oxygen isotope chemostratigraphies of the Yangtze platform, South China: Decoding temperature and environmental changes through the Ediacaran. <i>Gondwana Research</i> , 2013, 23, 333-353.	6.0	101
141	Purification and Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry of Aroma Compounds from Green Tea Products and Comparison to Bulk Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 11321-11325.	5.2	4
142	Decadal time series of tropospheric abundance of N ₂ O isotopomers and isotopologues in the Northern Hemisphere obtained by the long-term observation at Hateruma Island, Japan. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3369-3381.	3.3	38
143	Online triple oxygen isotope analysis of nitrous oxide using decomposition by microwave discharge. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2391-2398.	1.5	5
144	Mitigation of greenhouse gas emission from the cattle manure composting process by use of a bulking agent. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 96-106.	1.9	45

#	ARTICLE	IF	CITATIONS
145	OCS photolytic isotope effects from first principles: sulfur and carbon isotopes, temperature dependence and implications for the stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1511-1520.	4.9	25
146	Detection of radioactive ³⁵ S at Fukushima and other Japanese sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1020-1027.	3.3	7
147	Modeling how surface nitrogen fixation influences subsurface nutrient patterns in the North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2520-2534.	2.6	15
148	Site selective real-time measurements of atmospheric N ₂ O isotopomers by laser spectroscopy. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1601-1609.	3.1	72
149	An isotopic analysis of ionising radiation as a source of sulphuric acid. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5319-5327.	4.9	14
150	Seasonal change in microbial sulfur cycling in monomictic Lake Fukamiike, Japan. <i>Limnology and Oceanography</i> , 2012, 57, 974-988.	3.1	30
151	Preface: Migration of radionuclides from the Fukushima Daiichi Nuclear Power Plant accident. <i>Geochemical Journal</i> , 2012, 46, 267-270.	1.0	9
152	Interlaboratory Comparison of Carbon, Nitrogen, and Oxygen Isotope Ratios in Organic Chemicals Using Elemental Analyzer-Isotope Ratio Mass Spectrometer. <i>Bunseki Kagaku</i> , 2012, 61, 805-810.	0.2	1
153	Hydrogen and carbon isotope fractionation by thermophilic hydrogenotrophic methanogens from a deep aquifer under coculture with fermenters. <i>Geochemical Journal</i> , 2012, 46, 193-200.	1.0	14
154	An estimation of the radioactive ³⁵ S emitted into the atmospheric from the Fukushima Daiichi Nuclear Power Plant by using a numerical simulation global transport. <i>Geochemical Journal</i> , 2012, 46, 335-339.	1.0	4
155	Photoabsorption cross-section measurements of ³² S, ³³ S, ³⁴ S, and ³⁶ S sulfur dioxide for the ν_1 absorption band. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	27
156	Isotope Effect in the Carbonyl Sulfide Reaction with O ₃ (P). <i>Journal of Physical Chemistry A</i> , 2012, 116, 3521-3526.	2.5	20
157	In situ iron isotope analyses of pyrite and organic carbon isotope ratios in the Fortescue Group: Metabolic variations of a Late Archean ecosystem. <i>Precambrian Research</i> , 2012, 212-213, 169-193.	2.7	37
158	Comparison of IRMS and NMR spectrometry for the determination of intramolecular ¹³ C isotope composition: Application to ethanol. <i>Talanta</i> , 2012, 99, 1035-1039.	5.5	33
159	Depth variation of carbon and oxygen isotopes of calcites in Archean altered upperoceanic crust: Implications for the CO ₂ flux from ocean to oceanic crust in the Archean. <i>Earth and Planetary Science Letters</i> , 2012, 321-322, 64-73.	4.4	27
160	The ¹⁵ N natural abundance of the N lost from an N-saturated subtropical forest in southern China. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	39
161	Spectroscopic isotope ratio measurement of doubly-substituted methane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 43-46.	3.9	15
162	Factors controlling isotopic composition of precipitation on Okinawa Island, Japan: Implications for paleoclimate reconstruction in the East Asian Monsoon region. <i>Journal of Hydrology</i> , 2012, 475, 314-322.	5.4	38

#	ARTICLE	IF	CITATIONS
163	Development of a methodology using gas chromatography- $\delta^{13}\text{C}$ combustion- $\delta^{15}\text{N}$ isotope ratio mass spectrometry for the determination of the carbon isotope ratio of caffeine extracted from tea leaves (<i>Camellia sinensis</i>). <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 978-982.	1.5	4
164	Tracking the Fukushima Radionuclides. <i>Science</i> , 2012, 336, 1115-1116.	12.6	273
165	Land-Surface Contamination by Radionuclides from the Fukushima Daiichi Nuclear Power Plant Accident. <i>Elements</i> , 2012, 8, 201-206.	0.5	137
166	Predictions of the sulfur and carbon kinetic isotope effects in the OH + OCS reaction. <i>Chemical Physics Letters</i> , 2012, 531, 64-69.	2.6	17
167	Intramolecular Carbon Isotope Distribution of Acetic Acid in Vinegar. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9049-9053.	5.2	39
168	Isotopomer Analysis of Production and Consumption Mechanisms of N_2O and CH_4 in an Advanced Wastewater Treatment System. <i>Environmental Science & Technology</i> , 2011, 45, 917-922.	10.0	77
169	Characterization and production and consumption processes of N_2O emitted from temperate agricultural soils determined via isotopomer ratio analysis. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	123
170	Stable carbon isotope ratios of ethane over the North Pacific: Atmospheric measurements and global chemical transport modeling. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	7
171	Biogeochemistry of nitrous oxide in Lake Kizaki, Japan, elucidated by nitrous oxide isotopomer analysis. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
172	Gas seepage from Tokamachi mud volcanoes, onshore Niigata Basin (Japan): Origin, post-genetic alterations and CH_4 - CO_2 fluxes. <i>Applied Geochemistry</i> , 2011, 26, 348-359.	3.0	75
173	Ultraviolet absorption cross sections of carbonyl sulfide isotopologues OC^{32}S , OC^{33}S , OC^{34}S and O^{13}CS : isotopic fractionation in photolysis and atmospheric implications. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10293-10303.	4.9	45
174	Hydrothermal fluid geochemistry at the Iheya North field in the mid-Okinawa Trough: Implication for origin of methane in subseafloor fluid circulation systems. <i>Geochemical Journal</i> , 2011, 45, 109-124.	1.0	122
175	Microbiology of nitrogen cycle in animal manure compost. <i>Microbial Biotechnology</i> , 2011, 4, 700-709.	4.2	133
176	Evaluation of wastewater nitrogen transformation in a natural wetland (Ulaanbaatar, Mongolia) using dual-isotope analysis of nitrate. <i>Science of the Total Environment</i> , 2011, 409, 1530-1538.	8.0	32
177	Source of Nitrous Oxide Emissions during the Cow Manure Composting Process as Revealed by Isotopomer Analysis of and $\delta^{15}\text{N}$ Abundance in Betaproteobacterial Ammonia-Oxidizing Bacteria. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1555-1562.	3.1	126
178	Air-sea gas transfer in a shallow, flowing and coastal environment estimated by dissolved inorganic carbon and dissolved oxygen analyses. <i>Journal of Oceanography</i> , 2010, 66, 363-372.	1.7	6
179	Contribution of atmospheric nitrate to stream-water nitrate in Japanese coniferous forests revealed by the oxygen isotope ratio of nitrate. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1281-1286.	1.5	20
180	Microbial methane production in deep aquifer associated with the accretionary prism in Southwest Japan. <i>ISME Journal</i> , 2010, 4, 531-541.	9.8	53

#	ARTICLE	IF	CITATIONS
181	Biomass production and energy source of thermophiles in a Japanese alkaline geothermal pool. <i>Environmental Microbiology</i> , 2010, 12, 480-489.	3.8	16
182	Determination of carbon isotope ratios of methanol and acetaldehyde in air samples by gas chromatography-isotope ratio mass spectrometry combined with headspace solid-phase microextraction. <i>Isotopes in Environmental and Health Studies</i> , 2010, 46, 392-399.	1.0	7
183	A liquid nitrogen-free preconcentration unit for measurements of ambient N ₂ O isotopomers by QCLAS. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 609-618.	3.1	55
184	An Efficient and Compact Difference-Frequency-Generation Spectrometer and Its Application to 12CH ₃ D/12CH ₄ Isotope Ratio Measurements. <i>Sensors</i> , 2010, 10, 6612-6622.	3.8	4
185	Measurement of the Isotope Ratio of Acetic Acid in Vinegar by HS-SPME-GC-TC/C-IRMS. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7115-7118.	5.2	42
186	Spatial distribution of nitrate sources of rivers in the Lake Biwa watershed, Japan: Controlling factors revealed by nitrogen and oxygen isotope values. <i>Water Resources Research</i> , 2010, 46, .	4.2	55
187	⁸⁷ Sr/ ⁸⁶ Sr chemostratigraphy of Neoproterozoic Dalradian carbonates below the Port Askaig Glaciogenic Formation, Scotland. <i>Precambrian Research</i> , 2010, 179, 150-164.	2.7	37
188	Carbonyl sulfide isotopologues: Ultraviolet absorption cross sections and stratospheric photolysis. <i>Journal of Chemical Physics</i> , 2009, 131, 024307.	3.0	24
189	Geological sulfur isotopes indicate elevated OCS in the Archean atmosphere, solving faint young sun paradox. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14784-14789.	7.1	136
190	Isotopomeric analysis of N ₂ O dissolved in a river in the Tokyo metropolitan area. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 809-821.	1.5	53
191	A 6.5-year continuous record of sea surface salinity and seawater isotopic composition at Harbour of Ishigaki Island, southwest Japan. <i>Isotopes in Environmental and Health Studies</i> , 2009, 45, 247-258.	1.0	29
192	Biogeochemistry of nitrous oxide in groundwater in a forested ecosystem elucidated by nitrous oxide isotopomer measurements. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3115-3133.	3.9	92
193	Carbon isotopic signatures of methanol and acetaldehyde emitted from biomass burning source. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	19
194	Denitrification and nitrous oxide cycling within the upper oxycline of the eastern tropical South Pacific oxygen minimum zone. <i>Limnology and Oceanography</i> , 2009, 54, 132-144.	3.1	85
195	Isotopomeric characterization of N ₂ O produced, consumed, and emitted by automobiles. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 603-612.	1.5	24
196	An improved method for the measurement of the isotope ratio of ethanol in various samples, including alcoholic and non-alcoholic beverages. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3410-3414.	1.5	15
197	Ab initio study of sulfur isotope fractionation in the reaction of OCS with OH. <i>Chemical Physics Letters</i> , 2008, 450, 214-220.	2.6	27
198	Carbon isotope chemostratigraphy of a Precambrian/Cambrian boundary section in the Three Gorge area, South China: Prominent global-scale isotope excursions just before the Cambrian Explosion. <i>Gondwana Research</i> , 2008, 14, 193-208.	6.0	147

#	ARTICLE	IF	CITATIONS
199	High-precision spectroscopy of ³² S, ³³ S, and ³⁴ S sulfur dioxide: Ultraviolet absorption cross sections and isotope effects. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	101
200	Evidence of deuterium excess in water vapor as an indicator of ocean surface conditions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	236
201	Best Pair of 3.3-µm-Band Transitions for Isotopomer Abundance Ratio Measurements of ¹³ CH ₄ to ¹² CH ₄ . <i>Japanese Journal of Applied Physics</i> , 2007, 46, 1717-1721.	1.5	7
202	Nitrous oxide distribution and its origin in the central and eastern South Pacific Subtropical Gyre. <i>Biogeosciences</i> , 2007, 4, 729-741.	3.3	35
203	Estimation of net accumulation rate at a Patagonian glacier by ice core analyses using snow algae. <i>Global and Planetary Change</i> , 2007, 59, 236-244.	3.5	20
204	Biogeochemical simulation of nitrous oxide cycle based on the major nitrogen processes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
205	Role of nitrification and denitrification on the nitrous oxide cycle in the eastern tropical North Pacific and Gulf of California. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	110
206	1-D-ice flow modelling at EPICA Dome C and Dome Fuji, East Antarctica. <i>Climate of the Past</i> , 2007, 3, 243-259.	3.4	135
207	Determination of hydrogen, carbon and oxygen isotope ratios of ethanol in aqueous solution at millimole levels. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1431-1437.	1.5	15
208	Deuterium and oxygen-18 determination of microliter quantities of a water sample using an automated equilibrator. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1783-1790.	1.5	15
209	Measurements of stable carbon isotopic composition of ethane and propane over the western North Pacific and eastern Indian Ocean: A useful indicator of atmospheric transport process. <i>Journal of Atmospheric Chemistry</i> , 2007, 56, 293-314.	3.2	12
210	Hydrogen and carbon isotopic measurements of methane from agricultural combustion: Implications for isotopic signatures of global biomass burning sources. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	9
211	Nitrous oxide cycling in the Black Sea inferred from stable isotope and isotopomer distributions. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1802-1816.	1.4	60
212	Development of two-dimensional gas chromatography/isotope ratio mass spectrometry for the stable carbon isotopic analysis of C ₂ -C ₅ non-methane hydrocarbons emitted from biomass burning. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 241-247.	1.5	22
213	Continuous shipboard sampling system for determination of triple oxygen isotopes and O ₂ /Ar ratio by dual-inlet mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3503-3508.	1.5	10
214	Evidence from fluid inclusions for microbial methanogenesis in the early Archaean era. <i>Nature</i> , 2006, 440, 516-519.	27.8	459
215	Biosignatures and abiotic constraints on early life (Reply). <i>Nature</i> , 2006, 444, E18-E19.	27.8	7
216	Precise measurement of the ¹³ CH ₄ / ¹² CH ₄ ratio of diluted methane using a near-infrared laser absorption spectrometer. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 326-333.	7.8	14

#	ARTICLE	IF	CITATIONS
217	Narrow Lamb Dip of 3.4 μm Band Transition of Methane with Difference Frequency Generation and Enhancement Cavity. Japanese Journal of Applied Physics, 2006, 45, 2771-2775.	1.5	9
218	Nitrous oxide emission from the burning of agricultural residue. Atmospheric Environment, 2005, 39, 3421-3429.	4.1	41
219	Fractionation of N ₂ O isotopomers during production by denitrifier. Soil Biology and Biochemistry, 2005, 37, 1535-1545.	8.8	246
220	Frequency-Domain Measurement of Cavity Ring-Down Spectroscopy. Japanese Journal of Applied Physics, 2005, 44, 1452-1456.	1.5	3
221	Botanical and Geographical Origin Identification of Industrial Ethanol by Stable Isotope Analyses of C, H, and O. Bioscience, Biotechnology and Biochemistry, 2005, 69, 2193-2199.	1.3	28
222	Intramolecular distribution of stable nitrogen and oxygen isotopes of nitrous oxide emitted during coal combustion. Chemosphere, 2005, 61, 877-887.	8.2	17
223	Automobile exhaust as a source of ¹³ C- and D-enriched atmospheric methane in urban areas. Organic Geochemistry, 2005, 36, 727-738.	1.8	34
224	Source evaluation of atmospheric methane over western Siberia using double stable isotopic signatures. Organic Geochemistry, 2005, 36, 717-726.	1.8	27
225	Contributions of denitrification and mixing on the distribution of nitrous oxide in the North Pacific. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	41
226	Isotopic composition and origin of snow over Siberia. Journal of Geophysical Research, 2005, 110, .	3.3	24
227	Measurement of isotopomer signatures of N ₂ O in groundwater. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	45
228	Is the isotopic composition of nitrous oxide an indicator for its origin from nitrification or denitrification? A theoretical approach from referred data and microbiological and enzyme kinetic aspects. Rapid Communications in Mass Spectrometry, 2004, 18, 2036-2040.	1.5	94
229	Stable isotopic compositions and fractionations of carbon monoxide at coastal and open ocean stations in the Pacific. Journal of Geophysical Research, 2004, 109, .	3.3	14
230	Modern isotope climatology of Russia: A first assessment. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	103
231	Temporal and latitudinal distributions of stratospheric N ₂ O isotopomers. Journal of Geophysical Research, 2004, 109, .	3.3	35
232	An observation-based method for reconstructing ocean surface changes using a 340,000-year deuterium excess record from the Dome Fuji ice core, Antarctica. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	33
233	Stable isotope fractionation of nitrous oxide during thermal decomposition and reduction processes. Journal of Geophysical Research, 2004, 109, .	3.3	3
234	Site-specific Nitrogen Isotope Analysis in N ₂ O by Mass Spectrometry. , 2004, , 390-399.		0

#	ARTICLE	IF	CITATIONS
235	An improved method for measurement of the hydrogen isotope ratio of atmospheric methane and its application to a Japanese urban atmosphere. <i>Atmospheric Environment</i> , 2003, 37, 1975-1982.	4.1	34
236	Site-selective nitrogen isotopic ratio measurement of nitrous oxide using 2 μ m diode lasers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 957-962.	3.9	24
237	Dual isotope and isotopomer ratios of N ₂ O emitted from a temperate grassland soil after fertiliser application. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2550-2556.	1.5	73
238	Partial pressure dependency of ¹⁷ O/ ¹⁶ O and ¹⁸ O/ ¹⁶ O of molecular oxygen in the mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 395-400.	1.5	10
239	Homogeneous climate variability across East Antarctica over the past three glacial cycles. <i>Nature</i> , 2003, 422, 509-512.	27.8	238
240	Precise isotope abundance ratio measurement of nitrous oxide using diode lasers. <i>Sensors and Actuators B: Chemical</i> , 2003, 90, 250-255.	7.8	10
241	Relationship between the variation of isotopic ratios and the source of summer precipitation in eastern Siberia. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	30
242	Stable isotopic compositions of bacterial light hydrocarbons in marginal marine sediments. , 2003, , 141-150.		3
243	High net accumulation rates at Campo de Hielo Patagónico Sur, South America, revealed by analysis of a 45.97 m long ice core. <i>Annals of Glaciology</i> , 2002, 35, 84-90.	1.4	53
244	Production of methane from allasses in eastern Siberia: Implications from its ¹⁴ C and stable isotopic compositions. <i>Global Biogeochemical Cycles</i> , 2002, 16, 14-1-14-15.	4.9	68
245	Extending records of the isotopic composition of atmospheric N ₂ O back to 1800 A.D. from air trapped in snow at the South Pole and the Greenland Ice Sheet Project II ice core. <i>Global Biogeochemical Cycles</i> , 2002, 16, 76-1-76-10.	4.9	42
246	Stable carbon isotopic compositions of light hydrocarbons over the western North Pacific and implication for their photochemical ages. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 2-1.	3.3	39
247	Nitrogen and oxygen isotopomeric constraints on the origins and sea-to-air flux of N ₂ O in the oligotrophic subtropical North Pacific gyre. <i>Global Biogeochemical Cycles</i> , 2002, 16, 12-1-12-10.	4.9	116
248	Salinity records for the 1997-98 El Niño from Western Pacific corals. <i>Geophysical Research Letters</i> , 2002, 29, 35-1.	4.0	82
249	Production mechanism and global budget of N ₂ O inferred from its isotopomers in the western North Pacific. <i>Geophysical Research Letters</i> , 2002, 29, 7-1.	4.0	98
250	Biogeochemical properties of a tropical swamp forest ecosystem in southern Thailand. <i>Limnology</i> , 2002, 3, 51-59.	1.5	12
251	Diurnal variation of CO ₂ concentration, $\Delta^{14}\text{C}$ and $\delta^{13}\text{C}$ in an urban forest: estimate of the anthropogenic and biogenic CO ₂ contributions. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 97-109.	1.6	35
252	High-precision isotopic ratio measurement system for methane (¹² CH ₃ D/ ¹² CH ₄ , ¹³ CH ₄ / ¹² CH ₄) by using near-infrared diode laser absorption spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 2699-2707.	3.9	18

#	ARTICLE	IF	CITATIONS
253	Variations of stratospheric trace gases measured using a balloon-borne cryogenic sampler. <i>Advances in Space Research</i> , 2002, 30, 1349-1357.	2.6	19
254	On-line measurement of intramolecular carbon isotope distribution of acetic acid by continuous-flow isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1059-1064.	1.5	38
255	Carbon isotopic evidence of methane oxidation through sulfate reduction in sediment beneath cold seep vents on the seafloor at Nankai Trough. <i>Marine Geology</i> , 2002, 187, 145-160.	2.1	67
256	Title is missing!. <i>Biogeochemistry</i> , 2002, 61, 1-19.	3.5	41
257	Fractionation of N ₂ O isotopomers in the stratosphere. <i>Journal of Geophysical Research</i> , 2001, 106, 7515-7522.	3.3	48
258	Balance and Behavior of Carbon Dioxide at an Urban Forest Inferred from the Isotopic and Meteorological Approaches. <i>Radiocarbon</i> , 2001, 43, 659-669.	1.8	18
259	Isotope analysis of environmental substances by a new laser-spectroscopic method utilizing different pathlengths. <i>Sensors and Actuators B: Chemical</i> , 2001, 74, 173-178.	7.8	44
260	Diurnal fluxes and the isotopomer ratios of N ₂ O in a temperate grassland following urine amendment. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1263-1269.	1.5	73
261	Stable carbon and oxygen isotopic analysis of carbon monoxide in natural waters. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1507-1512.	1.5	23
262	Constraining the atmospheric N ₂ O budget from intramolecular site preference in N ₂ O isotopomers. <i>Nature</i> , 2000, 405, 330-334.	27.8	301
263	Dynamics of dissolved O ₂ , CO ₂ , CH ₄ , and N ₂ O in a tropical coastal swamp in southern Thailand. <i>Biogeochemistry</i> , 2000, 49, 191-215.	3.5	41
264	Carbon isotopic distribution of methane in deep-sea hydrothermal plume, Myojin Knoll Caldera, Izu-Bonin arc: implications for microbial methane oxidation in the oceans and applications to heat flux estimation. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 2439-2452.	3.9	121
265	Isotopomer analysis of methane and nitrous oxide for the study of their geochemical cycles. , 2000, , 185-188.		0
266	Stable carbon and oxygen isotopic analysis of carbon monoxide in natural waters. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1507-1512.	1.5	0
267	Carbon isotopic compositions of C ₂ -C ₅ hydrocarbons and methyl chloride in urban, coastal, and maritime atmospheres over the western North Pacific. <i>Journal of Geophysical Research</i> , 1999, 104, 16033-16039.	3.3	83
268	Determination of Nitrogen Isotopomers of Nitrous Oxide on a Modified Isotope Ratio Mass Spectrometer. <i>Analytical Chemistry</i> , 1999, 71, 4711-4718.	6.5	314
269	Precise Isotopic Measurements of Nitrogen at the Sub-Nanomole Level.. <i>Analytical Sciences</i> , 1998, 14, 485-491.	1.6	31
270	The abundance of ¹⁵ N in N ₂ O in aquatic ecosystems with emphasis on denitrification. <i>SIL Communications</i> 1953-1996, 1996, 25, 115-123.	0.1	2

#	ARTICLE	IF	CITATIONS
271	Oxygen Isotopic Constraints on the Origin of Nodular Silica-Apatite from the Har Peres Pyroclastics, Golan Heights, Israel. <i>Clays and Clay Minerals</i> , 1994, 42, 572-575.	1.3	0
272	Radiocarbon anomaly found in aquicultural scallops suspended in coastal sea. <i>Journal of Oceanography</i> , 1993, 49, 31-37.	1.7	1
273	Oxygen isotope composition of natural phosphates from volcanic ash soils of the Great Rift Valley of Africa and east Java, Indonesia. <i>Geoderma</i> , 1992, 53, 111-123.	5.1	39
274	Oxygen isotope correlation of cetacean bone phosphate with environmental water. <i>Journal of Geophysical Research</i> , 1991, 96, 815-820.	3.3	52
275	Nitrification rates and ^{15}N abundances of N_2O and NO_3^- in the western North Pacific. <i>Nature</i> , 1989, 342, 895-897.	27.8	152
276	^{15}N -depleted N_2O as a product of nitrification. <i>Nature</i> , 1988, 335, 528-529.	27.8	249
277	Preparation of carbon dioxide for oxygen-18 determination of water by use of a plastic syringe. <i>Analytical Chemistry</i> , 1986, 58, 1273-1275.	6.5	57
278	$^{15}\text{N}/^{14}\text{N}$ ratio of dissolved N_2O in the eastern tropical Pacific Ocean. <i>Nature</i> , 1984, 307, 442-444.	27.8	92
279	Nitrogen isotope ratio of atmospheric N_2O as a key to the global cycle of N_2O . <i>Geochemical Journal</i> , 1983, 17, 231-239.	1.0	76
280	A GC-IRMS method for measuring sulfur isotope ratios of carbonyl sulfide from small air samples. <i>Open Research Europe</i> , 0, 1, 105.	2.0	1
281	A GC-IRMS method for measuring sulfur isotope ratios of carbonyl sulfide from small air samples. <i>Open Research Europe</i> , 0, 1, 105.	2.0	2