Naohiko Ohkouchi

List of Publications by Year
in descending order

202 papers	6,935 citations	71102 41 h-index	79698 73 g-index
203 all docs	203 docs citations	203 times ranked	6947 citing authors

#	Article	IF	Citations
1	Determination of aquatic foodâ€web structure based on compoundâ€specific nitrogen isotopic composition of amino acids. Limnology and Oceanography: Methods, 2009, 7, 740-750.	2.0	507
2	Metabolic control of nitrogen isotope composition of amino acids in macroalgae and gastropods: implications for aquatic food web studies. Marine Ecology - Progress Series, 2007, 342, 85-90.	1.9	256
3	Advances in the application of amino acid nitrogen isotopic analysis in ecological and biogeochemical studies. Organic Geochemistry, 2017, 113, 150-174.	1.8	213
4	Contemporaneous massive subaerial volcanism and late cretaceous Oceanic Anoxic Event 2. Earth and Planetary Science Letters, 2007, 256, 211-223.	4.4	160
5	Highâ€resolution food webs based on nitrogen isotopic composition of amino acids. Ecology and Evolution, 2014, 4, 2423-2449.	1.9	160
6	Extraterrestrial ribose and other sugars in primitive meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24440-24445.	7.1	158
7	A primordial and reversible TCA cycle in a facultatively chemolithoautotrophic thermophile. Science, 2018, 359, 559-563.	12.6	155
8	Geographical origin of polished rice based on multiple element and stable isotope analyses. Food Chemistry, 2008, 109, 470-475.	8.2	138
9	New organic reference materials for carbon- and nitrogen-stable isotope ratio measurements provided by Center for Ecological Research, Kyoto University, and Institute of Biogeosciences, Japan Agency for Marine-Earth Science and Technology. Limnology, 2011, 12, 261-266.	1.5	124
10	Characterization and production and consumption processes of N₂O emitted from temperate agricultural soils determined via isotopomer ratio analysis. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	123
11	Complete genome of a nonphotosynthetic cyanobacterium in a diatom reveals recent adaptations to an intracellular lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11407-11412.	7.1	121
12	Origins of archaeal tetraether lipids in sediments: Insights from radiocarbon analysis. Geochimica Et Cosmochimica Acta, 2008, 72, 4577-4594.	3.9	118
13	Microbes are trophic analogs of animals. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15119-15124.	7.1	113
14	Different ingestion patterns of 13C-labeled bacteria and algae by deep-sea benthic foraminifera. Marine Ecology - Progress Series, 2006, 310, 95-108.	1.9	111
15	¹⁵N/¹⁴N ratios of amino acids as a tool for studying terrestrial food webs: a case study of terrestrial insects (bees, wasps, and hornets). Ecological Research, 2011, 26, 835-844.	1.5	108
16	Trophic Hierarchies Illuminated via Amino Acid Isotopic Analysis. PLoS ONE, 2013, 8, e76152.	2.5	108
17	Sedimentary membrane lipids recycled by deep-sea benthic archaea. Nature Geoscience, 2010, 3, 858-861.	12.9	103
18	Widespread collapse of the Ross Ice Shelf during the late Holocene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2354-2359.	7.1	97

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19	Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen. Journal of Human Evolution, 2016, 93, 82-90.	2.6	96
20	Quantitative evaluation of marine protein contribution in ancient diets based on nitrogen isotope ratios of individual amino acids in bone collagen: An investigation at the Kitakogane Jomon site. American Journal of Physical Anthropology, 2010, 143, 31-40.	2.1	91
21	A low trophic position of Japanese eel larvae indicates feeding on marine snow. Biology Letters, 2013, 9, 20120826.	2.3	88
22	Biochemical and physiological bases for the use of carbon and nitrogen isotopes in environmental and ecological studies. Progress in Earth and Planetary Science, 2015, 2, .	3.0	87
23	Fluctuations of nitrogen isotope ratio of gobiid fish (Isaza) specimens and sediments in Lake Biwa, Japan, during the 20th century. Limnology and Oceanography, 2001, 46, 1228-1236.	3.1	85
24	Unpacking brown foodâ€webs: Animal trophic identity reflects rampant microbivory. Ecology and Evolution, 2017, 7, 3532-3541.	1.9	82
25	Benthic foraminifera as trophic links between phytodetritus and benthic metazoans: carbon and nitrogen isotopic evidence. Marine Ecology - Progress Series, 2008, 357, 153-164.	1.9	80
26	An interlaboratory study of TEX₈₆ and BIT analysis of sediments, extracts, and standard mixtures. Geochemistry, Geophysics, Geosystems, 2013, 14, 5263-5285.	2.5	76
27	Evidence of Global Chlorophyll d. Science, 2008, 321, 658-658.	12.6	73
28	Developing Ultra Small-Scale Radiocarbon Sample Measurement at the University of Tokyo. Radiocarbon, 2010, 52, 310-318.	1.8	73
29	Biogeochemical processes in the saline meromictic Lake Kaiike, Japan: implications from molecular isotopic evidences of photosynthetic pigments. Environmental Microbiology, 2005, 7, 1009-1016.	3.8	72
30	Isolation and desalting with cation-exchange chromatography for compound-specific nitrogen isotope analysis of amino acids: application to biogeochemical samples. Rapid Communications in Mass Spectrometry, 2010, 24, 2317-2323.	1.5	72
31	The importance of diazotrophic cyanobacteria as primary producers during Cretaceous Oceanic Anoxic Event 2. Biogeosciences, 2006, 3, 467-478.	3.3	70
32	Diazotrophic cyanobacteria as the major photoautotrophs during mid-Cretaceous oceanic anoxic events: Nitrogen and carbon isotopic evidence from sedimentary porphyrin. Organic Geochemistry, 2008, 39, 532-549.	1.8	67
33	Diet quality influences isotopic discrimination among amino acids in an aquatic vertebrate. Ecology and Evolution, 2015, 5, 2048-2059.	1.9	64
34	Nitrogen isotopic composition of collagen amino acids as an indicator of aquatic resource consumption: insights from Mesolithic and Epipalaeolithic archaeological sites in France. World Archaeology, 2013, 45, 338-359.	1.1	61
35	Temperature effect on leaf water deuterium enrichment and isotopic fractionation during leaf lipid biosynthesis: Results from controlled growth of C3 and C4 land plants. Phytochemistry, 2011, 72, 207-213.	2.9	58
36	Altervalent substitution of sodium for calcium in biogenic calcite and aragonite. Geochimica Et Cosmochimica Acta, 2017, 202, 21-38.	3.9	57

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37	An early Aurignacian arrival in southwestern Europe. Nature Ecology and Evolution, 2019, 3, 207-212.	7.8	55
38	Radiocarbon Dating of Individual Fatty Acids as a Tool for Refining Antarctic Margin Sediment Chronologies. Radiocarbon, 2003, 45, 17-24.	1.8	54
39	Lead isotopic record of Barremianâ€“Aptian marine sediments: Implications for large igneous provinces and the Aptian climatic crisis. Earth and Planetary Science Letters, 2011, 307, 126-134.	4.4	50
40	Fractionation of nitrogen isotopes during amino acid metabolism in heterotrophic and chemolithoautotrophic microbes across Eukarya, Bacteria, and Archaea: Effects of nitrogen sources and metabolic pathways. Organic Geochemistry, 2017, 111, 101-112.	1.8	46
41	Extraordinary cold episodes during the mid-Holocene in the Yangtze delta: Interruption of the earliest rice cultivating civilization. Quaternary Science Reviews, 2018, 201, 418-428.	3.0	44
42	An improved method for isolation and purification of sedimentary porphyrins by high-performance liquid chromatography for compound-specific isotopic analysis. Journal of Chromatography A, 2007, 1138, 73-83.	3.7	43
43	Timing and pathways of East Antarctic Ice Sheet retreat. Quaternary Science Reviews, 2020, 230, 106166.	3.0	43
44	Lateral transfer of tetrahymanol-synthesizing genes has allowed multiple diverse eukaryote lineages to independently adapt to environments without oxygen. Biology Direct, 2012, 7, 5.	4.6	41
45	Response of the benthic foraminiferal community to a simulated short-term phytodetritus pulse in the abyssal North Pacific. Marine Ecology - Progress Series, 2011, 438, 129-142.	1.9	40
46	Lamina-scale analysis of sedimentary components in Cretaceous black shales by chemical compositional mapping: Implications for paleoenvironmental changes during the Oceanic Anoxic Events. Geochimica Et Cosmochimica Acta, 2005, 69, 1479-1494.	3.9	39
47	Evaluation of carnivory in inland Jomon hunterâ€“gatherers based on nitrogen isotopic compositions of individual amino acids in bone collagen. Journal of Archaeological Science, 2013, 40, 2913-2923.	2.4	39
48	Marine Os isotopic evidence for multiple volcanic episodes during Cretaceous Oceanic Anoxic Event 1b. Scientific Reports, 2020, 10, 12601.	3.3	39
49	Compound-specific radiocarbon dating of Ross Sea sediments: A prospect for constructing chronologies in high-latitude oceanic sediments. Quaternary Geochronology, 2008, 3, 235-243.	1.4	38
50	Dietary Reconstruction of the Okhotsk Culture of Hokkaido, Japan, Based on Nitrogen Composition of Amino Acids: Implications for Correction of ¹⁴C Marine Reservoir Effects on Human Bones. Radiocarbon, 2010, 52, 671-681.	1.8	38
51	Hydrogen, carbon and nitrogen isotopic fractionations during chlorophyll biosynthesis in C3 higher plants. Phytochemistry, 2005, 66, 911-920.	2.9	36
52	A preliminary estimate of the trophic position of the deep-water ramâ€™s horn squid Spirula spirula based on the nitrogen isotopic composition of amino acids. Marine Biology, 2013, 160, 773-779.	1.5	36
53	Trophic interaction among organisms in a seagrass meadow ecosystem as revealed by bulk Î´¹³C and amino acid Î´¹⁵N analyses. Limnology and Oceanography, 2017, 62, 1426-1435.	3.1	36
54	Earliest evidence of pollution by heavy metals in archaeological sites. Scientific Reports, 2015, 5, 14252.	3.3	35

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55	Isotopic analyses suggest mammoth and plant in the diet of the oldest anatomically modern humans from far southeast Europe. Scientific Reports, 2017, 7, 6833.	3.3	35
56	Orbital-scale environmental and climatic changes recorded in a new âˆ¼200,000-year-long multiproxy sedimentary record from Padul, southern Iberian Peninsula. Quaternary Science Reviews, 2018, 198, 91-114.	3.0	35
57	Tracking longâ€distance migration of marine fishes using compoundâ€specific stable isotope analysis of amino acids. Ecology Letters, 2020, 23, 881-890.	6.4	35
58	Trophic position estimates of formalinâ€fixed samples with nitrogen isotopic compositions of amino acids: an application to gobiid fish (Isaza) in Lake Biwa, Japan. Ecological Research, 2013, 28, 697-702.	1.5	33
59	Compound-Specific ¹⁴C Dating of IODP Expedition 318 Core U1357A Obtained Off the Wilkes Land Coast, Antarctica. Radiocarbon, 2014, 56, 1009-1017.	1.8	33
60	Isolation of underivatized amino acids by ion-pair high performance liquid chromatography for precise measurement of nitrogen isotopic composition of amino acids: Development of comprehensive LC Ã— GC/C/IRMS method. International Journal of Mass Spectrometry, 2015, 379, 16-25.	1.5	32
61	Radiocarbon Dating of Alkenones from Marine Sediments: I. Isolation Protocol. Radiocarbon, 2005, 47, 401-412.	1.8	31
62	Degradation of algal lipids by deep-sea benthic foraminifera: An in situ tracer experiment. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 1488-1503.	1.4	31
63	Fractionation of hydrogen isotopes during phytol biosynthesis. Organic Geochemistry, 2009, 40, 569-573.	1.8	31
64	Quantitative Analysis of Coenzyme F430 in Environmental Samples: A New Diagnostic Tool for Methanogenesis and Anaerobic Methane Oxidation. Analytical Chemistry, 2014, 86, 3633-3638.	6.5	31
65	Molecular paleoclimatology: reconstruction of climate variabilities in the late Quaternary. Organic Geochemistry, 1997, 27, 173-183.	1.8	30
66	Dust influx reconstruction during the last 26,000Âyears inferred from a sedimentary leaf wax record from the Japan Sea. Global and Planetary Change, 2006, 54, 239-250.	3.5	30
67	Implication of spatiotemporal distribution of black shales deposited during the Cretaceous Oceanic Anoxic Event-2. Paleontological Research, 2006, 10, 345-358.	1.0	28
68	Genomic Evidence that Methanotrophic Endosymbionts Likely Provide Deep-Sea Bathymodiolus Mussels with a Sterol Intermediate in Cholesterol Biosynthesis. Genome Biology and Evolution, 2017, 9, 1148-1160.	2.5	28
69	Quantitative analysis of underivatized amino acids in the sub- to several-nanomolar range by ion-pair HPLC using a corona-charged aerosol detector (HPLCâ€“CAD). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1095, 191-197.	2.3	28
70	Monsoons, Upwelling, and the Deoxygenation of the Northwestern Indian Ocean in Response to Middle to Late Miocene Global Climatic Shifts. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003762.	2.9	28
71	Age model, physical properties and paleoceanographic implications of the middle Pleistocene core sediments in the Choshi area, central Japan. Island Arc, 2006, 15, 366-377.	1.1	27
72	Holocene lake development and glacial-isostatic uplift at Lake Skallen and Lake Oyako, LÃ¼tzow-Holm Bay, East Antarctica: Based on biogeochemical facies and molecular signatures. Applied Geochemistry, 2012, 27, 2546-2559.	3.0	27

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73	Hydrogen Cyanide Production due to Mid-Size Impacts in a Redox-Neutral N2-Rich Atmosphere. Origins of Life and Evolution of Biospheres, 2013, 43, 221-245.	1.9	27
74	Nitrate uptake by foraminifera and use in conjunction with endobionts under anoxic conditions. Limnology and Oceanography, 2014, 59, 1879-1888.	3.1	27
75	The origin of Cretaceous black shales: a change in the surface ocean ecosystem and its triggers. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2015, 91, 273-291.	3.8	27
76	Variation in the nitrogen isotopic composition of amino acids in benthic foraminifera: Implications for their adaptation to oxygenâ€depleted environments. Limnology and Oceanography, 2015, 60, 1906-1916.	3.1	25
77	Compoundâ€specific isotope analysis of benthic foraminifer amino acids suggests microhabitat variability in rockyâ€shore environments. Ecology and Evolution, 2018, 8, 8380-8395.	1.9	25
78	Chlorophyll <i>a</i>-specific Î”¹⁴C, Î´¹³C and Î´¹⁵N values in stream periphyton: implications for aquatic food web studies. Biogeosciences, 2015, 12, 6781-6789.	3.3	24
79	Sources of Dissolved Inorganic Carbon in Two Small Streams with Different Bedrock Geology: Insights from Carbon Isotopes. Radiocarbon, 2015, 57, 439-448.	1.8	24
80	Differing utilization of glucose and algal Âparticulate organic matter by deep-sea benthic organisms of Sagami Bay, Japan. Marine Ecology - Progress Series, 2011, 431, 11-24.	1.9	24
81	Carbon isotopic composition of the tetrapyrrole nucleus in chloropigments from a saline meromictic lake: A mechanistic view for interpreting the isotopic signature of alkyl porphyrins in geological samples. Organic Geochemistry, 2008, 39, 521-531.	1.8	23
82	Evidence for herbivorous cave bears (Ursus spelaeus) in Goyet Cave, Belgium: implications for palaeodietary reconstruction of fossil bears using amino acid Î´¹⁵N approaches. Journal of Quaternary Science, 2016, 31, 598-606.	2.1	23
83	Preference for fish in a Neolithic hunter-gatherer community of the upper Tigris, elucidated by amino acid Î´15N analysis. Journal of Archaeological Science, 2017, 82, 40-49.	2.4	23
84	A new analytical method for determination of the nitrogen isotopic composition of methionine: Its application to aquatic ecosystems with mixed resources. Limnology and Oceanography: Methods, 2018, 16, 607-620.	2.0	23
85	Compound-Specific Nitrogen Isotope Analysis of <scp>d</scp>-Alanine, <scp>l</scp>-Alanine, and Valine: Application of Diastereomer Separation to Î´¹⁵N and Microbial Peptidoglycan Studies. Analytical Chemistry, 2009, 81, 394-399.	6.5	22
86	Amino acid compositions in heated carbonaceous chondrites and their compound-specific nitrogen isotopic ratios. Earth, Planets and Space, 2016, 68, .	2.5	22
87	High-Precision Simultaneous ¹⁸O/¹⁶O, ¹³C/¹²C, and ¹⁷O/¹⁶O Analyses for Microgram Quantities of CaCO₃ by Tunable Infrared Laser Absorption Spectroscopy. Analytical Chemistry, 2017, 89, 11846-11852.	6.5	22
88	A new insight into isotopic fractionation associated with decarboxylation in organisms: implications for amino acid isotope approaches in biogeoscience. Progress in Earth and Planetary Science, 2020, 7, .	3.0	22
89	Distribution of chloropigments in suspended particulate matter and benthic microbial mat of a meromictic lake, Lake Kaiike, Japan. Environmental Microbiology, 2003, 5, 1103-1110.	3.8	21
90	Geochemistry of modern carbonaceous sediments overlain by a water mass showing photic zone anoxia in the saline meromictic Lake Kai-ike, southwest Japan: I. Early diagenesis of organic carbon, nitrogen, and phosphorus. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 294, 72-82.	2.3	21

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91	Radiocarbon constraint on relict organic carbon contributions to Ross Sea sediments. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	2.5	20
92	A compound-specific isotope method for measuring the stable nitrogen isotopic composition of tetrapyrroles. Organic Geochemistry, 2008, 39, 510-520.	1.8	20
93	Detection of coenzyme F430 in deep sea sediments: A key molecule for biological methanogenesis. Organic Geochemistry, 2013, 58, 137-140.	1.8	20
94	Improved Method for Isolation and Purification of Underivatized Amino Acids for Radiocarbon Analysis. Analytical Chemistry, 2018, 90, 12035-12041.	6.5	20
95	Nutritional sources of meio- and macrofauna at hydrothermal vents and adjacent areas: natural-abundance radiocarbon and stable isotope analyses. Marine Ecology - Progress Series, 2019, 622, 49-65.	1.9	20
96	Implications for chloro- and pheopigment synthesis and preservation from combined compound-specific Î´¹³C, Î´¹⁵N, and Î”¹⁴C analysis. Biogeosciences, 2010, 7, 4105-4118.	3.3	20
97	Microbially induced formation of ooid-like coated grains in the Late Cretaceous methane-seep deposits of the Nakagawa area, Hokkaido, northern Japan. Island Arc, 2008, 17, 261-269.	1.1	19
98	Reconstruction of the biogeochemistry and ecology of photoautotrophs based on the nitrogen and carbon isotopic compositions of vanadyl porphyrins from Miocene siliceous sediments. Biogeosciences, 2008, 5, 797-816.	3.3	19
99	Terrestrialâ€aquatic linkage in stream food webs along a forest chronosequence: multiâ€isotopic evidence. Ecology, 2016, 97, 1146-1158.	3.2	19
100	An overview of methods used for the detection of aquatic resource consumption by humans: Compound-specific delta N-15 analysis of amino acids in archaeological materials. Journal of Archaeological Science: Reports, 2016, 6, 720-732.	0.5	19
101	A monitoring result of polychlorinated biphenyls (PCBs) in deep-sea organisms and sediments off Tohoku during 2012â€“2014: temporal variation and the relationship with the trophic position. Journal of Oceanography, 2016, 72, 629-639.	1.7	18
102	Intraâ€trophic isotopic discrimination of ¹⁵N/¹⁴N for amino acids in autotrophs: Implications for nitrogen dynamics in ecological studies. Ecology and Evolution, 2017, 7, 2916-2924.	1.9	18
103	Small- to ultra-small-scale radiocarbon measurements using newly installed single-stage AMS at the University of Tokyo. Nuclear Instruments & Methods in Physics Research B, 2019, 455, 238-243.	1.4	18
104	Organic Analysis of Peridotite Rocks from the Ashadze and Logatchev Hydrothermal Sites. International Journal of Molecular Sciences, 2009, 10, 2986-2998.	4.1	17
105	Nitrogen Isotopic Fractionation in Ammonia during Adsorption on Silicate Surfaces. ACS Earth and Space Chemistry, 2017, 1, 24-29.	2.7	17
106	Osmium evidence for synchronicity between a rise in atmospheric oxygen and Palaeoproterozoic deglaciation. Nature Communications, 2011, 2, 502.	12.8	16
107	Lithium, magnesium and sulfur purification from seawater using an ion chromatograph with a fraction collector system for stable isotope measurements. Journal of Chromatography A, 2018, 1531, 157-162.	3.7	16
108	Nitrate Isotope Distribution in the Subarctic and Subtropical North Pacific. Geochemistry, Geophysics, Geosystems, 2018, 19, 2212-2224.	2.5	16

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109	Highâ€resolution lithostratigraphy and organic carbon isotope stratigraphy of the Lower Triassic pelagic sequence in central Japan. Island Arc, 2012, 21, 79-100.	1.1	15
110	Biological and physical modification of carbonate system parameters along the salinity gradient in shallow hypersaline solar salterns in Trapani, Italy. Geochimica Et Cosmochimica Acta, 2017, 208, 354-367.	3.9	15
111	Insight into anaerobic methanotrophy from 13C/12C- amino acids and 14C/12C-ANME cells in seafloor microbial ecology. Scientific Reports, 2018, 8, 14070.	3.3	15
112	A method for stable carbon isotope measurement of underivatized individual amino acids by multiâ€dimensional highâ€performance liquid chromatography and elemental analyzer/isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8885.	1.5	15
113	A Novel Vanadyl Alkylporphyrins from Geological Samples: A Possible Derivative of Divinylchlorophylls or Bacteriochlorophylla?. Chemistry Letters, 2007, 36, 706-707.	1.3	14
114	Stable hydrogen and carbon isotopic compositions of long-chain (C21â€“C33) n-alkanes and n-alkenes in insects. Geochimica Et Cosmochimica Acta, 2012, 95, 53-62.	3.9	14
115	Refinement of reconstructed ancient food webs based on the nitrogen isotopic compositions of amino acids from bone collagen: A case study of archaeological herbivores from Tell Ain el-Kerkh, Syria. Geochemical Journal, 2014, 48, e15-e19.	1.0	14
116	Seasonal changes in infection with trematode species utilizing jellyfish as hosts: evidence of transmission to definitive host fish via medusivory. Parasite, 2016, 23, 16.	2.0	14
117	Microbial Eukaryotes that Lack Sterols. Journal of Eukaryotic Microbiology, 2017, 64, 897-900.	1.7	14
118	Amino acid ¹⁵N analysis reveals change in the importance of freshwater resources between the hunterâ€gatherer and farmer in the Neolithic upper Tigris. American Journal of Physical Anthropology, 2019, 168, 676-686.	2.1	14
119	Quantification and Carbon and Nitrogen Isotopic Measurements of Heme B in Environmental Samples. Analytical Chemistry, 2020, 92, 11213-11222.	6.5	14
120	Evaluation of Î´¹³C and Î´¹⁵N Uncertainties Associated with the Compound-Specific Isotope Analysis of Geoporphyrins. Analytical Chemistry, 2020, 92, 3152-3160.	6.5	14
121	Radiocarbon Dating of Alkenones from Marine Sediments: III. Influence of Solvent Extraction Procedures on ¹⁴C Measurements of Foraminifera. Radiocarbon, 2005, 47, 425-432.	1.8	13
122	Seasonal variations in the nitrogen isotope composition of Okinotori coral in the tropical western Pacific: A new proxy for marine nitrate dynamics. Journal of Geophysical Research, 2011, 116, .	3.3	13
123	Distributions and compound-specific isotopic signatures of sedimentary chlorins reflect the composition of photoautotrophic communities and their carbon and nitrogen sources in Swiss lakes and the Black Sea. Chemical Geology, 2016, 443, 198-209.	3.3	13
124	Insight into nitrous oxide production processes in the western North Pacific based on a marine ecosystem isotopomer model. Journal of Oceanography, 2016, 72, 491-508.	1.7	13
125	Fractionation of stable nitrogen isotopes (¹⁵N/¹⁴N) during enzymatic deamination of glutamic acid: Implications for mass and energy transfers in the biosphere. Geochemical Journal, 2018, 52, 273-280.	1.0	13
126	Miocene to Pleistocene osmium isotopic records of the Mediterranean sediments. Paleoceanography, 2016, 31, 148-166.	3.0	12

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127	Free-Radical Polymerization of Acrylic Acid under Extreme Reaction Conditions Mimicking Deep-Sea Hydrothermal Vents. ACS Omega, 2017, 2, 2765-2769.	3.5	12
128	Integrated trophic position decreases in more diverse communities of stream food webs. Scientific Reports, 2017, 7, 2130.	3.3	12
129	Trophic position and dietary breadth of bats revealed by nitrogen isotopic composition of amino acids. Scientific Reports, 2017, 7, 15932.	3.3	12
130	Primordial organic matter in the xenolithic clast in the Zag H chondrite: Possible relation to D/P asteroids. Geochimica Et Cosmochimica Acta, 2020, 271, 61-77.	3.9	12
131	An Xâ€ray spectroscopic perspective on Messinian evaporite from Sicily: Sedimentary fabrics, element distributions, and chemical environments of S and Mg. Geochemistry, Geophysics, Geosystems, 2016, 17, 1383-1400.	2.5	11
132	Trophic discrimination factor of nitrogen isotopes within amino acids in the dobsonfly Protohermes grandis (Megaloptera: Corydalidae) larvae in a controlled feeding experiment. Ecology and Evolution, 2017, 7, 1674-1679.	1.9	11
133	Sources and transformation processes of pheopigments: Stable carbon and hydrogen isotopic evidence from Lake Haruna, Japan. Organic Geochemistry, 2007, 38, 985-1001.	1.8	10
134	A late Holocene molecular hydrogen isotope record of the East Asian Summer Monsoon in Southwest Japan. Quaternary Research, 2016, 86, 287-294.	1.7	10
135	Reply to â€œComment on â€œEcological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen.â€•[J. Hum. Evol. 93 (2016) 82â€“90]â€•[J. Hum. Evol. 117 (2018) 53â€“55]. Journal of Human Evolution, 2018, 117, 56-60.	2.6	10
136	Abyssal fauna, benthic microbes, and organic matter quality across a range of trophic conditions in the western Pacific ocean. Progress in Oceanography, 2021, 195, 102591.	3.2	10
137	Redox conditions in the atmosphere and shallow-marine environments during the first Huronian deglaciation: Insights from Os isotopes and redox-sensitive elements. Earth and Planetary Science Letters, 2013, 376, 145-154.	4.4	9
138	Distribution and isotopic signatures of archaeal lipid biomarkers associated with gas hydrate occurrences on the northern Cascadia Margin. Chemical Geology, 2013, 343, 76-84.	3.3	9
139	Compound-specific carbon and nitrogen isotopic compositions of chlorophyll a and its derivatives reveal the eutrophication history of Lake Zurich (Switzerland). Chemical Geology, 2016, 443, 210-219.	3.3	9
140	Diazotrophy Drives Primary Production in the Organic-Rich Shales Deposited Under a Stratified Environment During the Messinian Salinity Crisis (Vena del Gesso, Italy). Frontiers in Earth Science, 2019, 7, .	1.8	9
141	Beryllium isotopes in sediments from Lake Maruwan Oike and Lake Skallen, East Antarctica, reveal substantial glacial discharge during the late Holocene. Quaternary Science Reviews, 2021, 256, 106841.	3.0	9
142	Direct evidence for the alteration of¹³C natural abundances during early diagenesis in Lake Kasumigaura, Japan. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	8
143	Reprint of â€œStable hydrogen and carbon isotopic compositions of long-chain (C21â€“C33) n-alkanes and n-alkenes in insectsâ€• Geochimica Et Cosmochimica Acta, 2013, 111, 78-87.	3.9	8
144	Amino acids on witness coupons collected from the ISAS/JAXA curation facility for the assessment and quality control of the Hayabusa2 sampling procedure. Earth, Planets and Space, 2018, 70, .	2.5	8

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145	A Systematic Assessment of Stable Sr Isotopic Compositions of Vent Fluids in Arc/Back-Arc Hydrothermal Systems: Effects of Host Rock Type, Phase Separation, and Overlying Sediment. Frontiers in Earth Science, 2020, 8, .	1.8	8
146	Influences of Ocean Currents on the Diets of Demersal Fish Communities in the Western North Pacific Revealed by Their Muscle Carbon and Nitrogen Isotopic Compositions. Frontiers in Marine Science, 2021, 8, .	2.5	8
147	Anomalous negative excursion of carbon isotope in organic carbon after the last Paleoproterozoic glaciation in North America. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	7
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