

Marilyn L Fogel

List of Publications by Year in descending order

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157
papers

16,764
citations

12303

69
h-index

15218

126
g-index

160
all docs

160
docs citations

160
times ranked

13837
citing authors

#	ARTICLE	IF	CITATIONS
1	Depletion of ¹³ C in lignin and its implications for stable carbon isotope studies. <i>Nature</i> , 1987, 329, 708-710.	13.7	936
2	The Effects of Sample Treatment and Diagenesis on the Isotopic Integrity of Carbonate in Biogenic Hydroxylapatite. <i>Journal of Archaeological Science</i> , 1997, 24, 417-429.	1.2	798
3	The origin and evolution of chondrites recorded in the elemental and isotopic compositions of their macromolecular organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4380-4403.	1.6	487
4	The isotopic composition of carbon and nitrogen in individual amino acids isolated from modern and fossil proteins. <i>Journal of Archaeological Science</i> , 1991, 18, 277-292.	1.2	454
5	Isotopic fractionation of nitrogen and carbon in the synthesis of amino acids by microorganisms. <i>Chemical Geology: Isotope Geoscience Section</i> , 1987, 65, 79-92.	0.7	453
6	Stable carbon and nitrogen isotope biogeochemistry in the Delaware estuary. <i>Limnology and Oceanography</i> , 1988, 33, 1102-1115.	1.6	408
7	Photosynthetic Fractionation of the Stable Isotopes of Oxygen and Carbon. <i>Plant Physiology</i> , 1993, 101, 37-47.	2.3	401
8	Ecosystem Collapse in Pleistocene Australia and a Human Role in Megafaunal Extinction. <i>Science</i> , 2005, 309, 287-290.	6.0	392
9	Kinetic fractionation of stable nitrogen isotopes during amino acid transamination. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 2143-2146.	1.6	357
10	Pleistocene Extinction of <i>Genyornis newtoni</i> : Human Impact on Australian Megafauna. <i>Science</i> , 1999, 283, 205-208.	6.0	352
11	Unique Meteorite from Early Amazonian Mars: Water-Rich Basaltic Breccia Northwest Africa 7034. <i>Science</i> , 2013, 339, 780-785.	6.0	340
12	Microbial alteration of stable nitrogen and carbon isotopic compositions of organic matter. <i>Organic Geochemistry</i> , 1984, 6, 787-790.	0.9	320
13	Nitrogen-isotope compositions of metasedimentary rocks in the Catalina Schist, California: Implications for metamorphic devolatilization history. <i>Geochimica Et Cosmochimica Acta</i> , 1992, 56, 2839-2849.	1.6	320
14	Extraterrestrial nucleobases in the Murchison meteorite. <i>Earth and Planetary Science Letters</i> , 2008, 270, 130-136.	1.8	317
15	Using stable isotopes to investigate individual diet specialization in California sea otters (<i>Enhydra</i>) Tj ETQq1 1 0,784314 rgBT /Ove	1.5	262
16	Renewable and nonrenewable resources: Amino acid turnover and allocation to reproduction in Lepidoptera. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4413-4418.	3.3	258
17	Isotope Fractionation during Primary Production. <i>Topics in Geobiology</i> , 1993, , 73-98.	0.6	252
18	A food web analysis of the juvenile blue crab, <i>Callinectes sapidus</i> , using stable isotopes in whole animals and individual amino acids. <i>Oecologia</i> , 1999, 120, 416-426.	0.9	236

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19	Climate change promotes parasitism in a coral symbiosis. <i>ISME Journal</i> , 2018, 12, 921-930.	4.4	220
20	The classification of CM and CR chondrites using bulk H, C and N abundances and isotopic compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 123, 244-260.	1.6	211
21	Isotopic Tracking of Change in Diet and Habitat Use in African Elephants. <i>Science</i> , 1995, 267, 1340-1343.	6.0	208
22	Variability in the preservation of the isotopic composition of collagen from fossil bone. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 929-935.	1.6	207
23	Diagenesis of belowground biomass of <i>Spartina alterniflora</i> in salt marsh sediments. <i>Limnology and Oceanography</i> , 1991, 36, 1358-1374.	1.6	206
24	Microbial Activity at Gigapascal Pressures. <i>Science</i> , 2002, 295, 1514-1516.	6.0	203
25	Amino acid nitrogen isotopic fractionation patterns as indicators of heterotrophy in plankton, particulate, and dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 4727-4744.	1.6	202
26	Differential fractionation of oxygen isotopes by cyanide-resistant and cyanide-sensitive respiration in plants. <i>Planta</i> , 1989, 177, 483-491.	1.6	198
27	Isotopic fractionation of ammonium and nitrate during uptake by <i>Skeletonema costatum</i> : Implications for $\delta^{15}\text{N}$ dynamics under bloom conditions. <i>Limnology and Oceanography</i> , 1996, 41, 451-459.	1.6	196
28	Isotope fractionation associated with ammonium uptake by a marine bacterium. <i>Limnology and Oceanography</i> , 1992, 37, 1447-1459.	1.6	194
29	Biogeochemistry of the stable hydrogen isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 1980, 44, 1197-1206.	1.6	191
30	Origin and Evolution of Prebiotic Organic Matter As Inferred from the Tagish Lake Meteorite. <i>Science</i> , 2011, 332, 1304-1307.	6.0	189
31	Deuterium enrichments in chondritic macromolecular material—Implications for the origin and evolution of organics, water and asteroids. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 4417-4437.	1.6	188
32	A Reduced Organic Carbon Component in Martian Basalts. <i>Science</i> , 2012, 337, 212-215.	6.0	182
33	Carbon isotope fractionation of amino acids in fish muscle reflects biosynthesis and isotopic routing from dietary protein. <i>Journal of Animal Ecology</i> , 2010, 79, 1132-1141.	1.3	178
34	Biogeochemical factors that influence the stable nitrogen isotope ratio of dissolved ammonium in the Delaware Estuary. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 2713-2721.	1.6	158
35	Indigenous amino acids in primitive CR meteorites. <i>Meteoritics and Planetary Science</i> , 2007, 42, 2125-2136.	0.7	138
36	Geochemistry and geobiology of a present-day serpentinization site in California: The Cedars. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 222-240.	1.6	136

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37	Trophic Structure and Climatic Information From Isotopic Signatures in Pleistocene Cave Fauna of Southern England. <i>Journal of Archaeological Science</i> , 1995, 22, 327-340.	1.2	133
38	Extending the limits of paleodietary studies of humans with compound specific carbon isotope analysis of amino acids. <i>Journal of Archaeological Science</i> , 2003, 30, 535-545.	1.2	131
39	Nitrate competition in a coral symbiosis varies with temperature among <i>Symbiodinium</i> clades. <i>ISME Journal</i> , 2013, 7, 1248-1251.	4.4	131
40	Making eggs from nectar: the role of life history and dietary carbon turnover in butterfly reproductive resource allocation. <i>Oikos</i> , 2004, 105, 279-291.	1.2	127
41	Marine phosphate oxygen isotopes and organic matter remineralization in the oceans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13023-13028.	3.3	122
42	The problem of deep carbon—An Archean paradox. <i>Precambrian Research</i> , 2005, 143, 1-22.	1.2	122
43	Tracing Food Webs with Stable Hydrogen Isotopes. <i>Science</i> , 1980, 209, 1537-1538.	6.0	117
44	Isotopic fractionation associated with biosynthesis of fatty acids by a marine bacterium under oxic and anoxic conditions. <i>Organic Geochemistry</i> , 1999, 30, 1571-1579.	0.9	117
45	Determination of the isotopic composition of ammonium-nitrogen at the natural abundance level from estuarine waters. <i>Marine Chemistry</i> , 1989, 26, 351-361.	0.9	108
46	Pollen feeding in the butterfly <i>Heliconius charitonia</i> : isotopic evidence for essential amino acid transfer from pollen to eggs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2631-2636.	1.2	108
47	Contributions of direct incorporation from diet and microbial amino acids to protein synthesis in Nile tilapia. <i>Functional Ecology</i> , 2011, 25, 1051-1062.	1.7	105
48	Transformation of plant biochemicals to geological macromolecules during early diagenesis. <i>Oecologia</i> , 1999, 120, 336-346.	0.9	104
49	Quantitative paleotemperature estimates from $\delta^{18}O$ of chironomid head capsules preserved in arctic lake sediments. <i>Journal of Paleolimnology</i> , 2004, 31, 267-274.	0.8	104
50	Link between sewage-derived nitrogen pollution and coral disease severity in Guam. <i>Marine Pollution Bulletin</i> , 2013, 73, 57-63.	2.3	102
51	Biogeochemical record of ancient humans. <i>Organic Geochemistry</i> , 1997, 27, 275-287.	0.9	100
52	Stable isotopes in modern ostrich eggshell: a calibration for paleoenvironmental applications in semi-arid regions of southern Africa. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 2451-2461.	1.6	99
53	An Examination of the Carbon Isotope Effects Associated with Amino Acid Biosynthesis. <i>Astrobiology</i> , 2006, 6, 867-880.	1.5	87
54	Variation in $\delta^{13}C$ and $\delta^{15}N$ diet—vibrissae trophic discrimination factors in a wild population of California sea otters. <i>Ecological Applications</i> , 2010, 20, 1744-1752.	1.8	87

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55	Stable isotopes evaluate exploitation of anthropogenic foods by the endangered San Joaquin kit fox (<i>Vulpes macrotis mutica</i>). <i>Journal of Mammalogy</i> , 2010, 91, 1313-1321.	0.6	86
56	Early evolution of atmospheric oxygen from multiple-sulfur and carbon isotope records of the 2.9 Ga Mozaan Group of the Pongola Supergroup, Southern Africa. <i>South African Journal of Geology</i> , 2006, 109, 97-108.	0.6	84
57	Quality or quantity: is nutrient transfer driven more by symbiont identity and productivity than by symbiont abundance?. <i>ISME Journal</i> , 2013, 7, 1116-1125.	4.4	84
58	Amino Acid $\delta^{13}\text{C}$ Analysis Shows Flexibility in the Routing of Dietary Protein and Lipids to the Tissue of an Omnivore. <i>Integrative and Comparative Biology</i> , 2014, 54, 890-902.	0.9	83
59	Diagenesis of organic matter in georgia salt marshes. <i>Estuarine, Coastal and Shelf Science</i> , 1989, 28, 211-230.	0.9	81
60	The determination of late Quaternary paleoenvironments at Equus Cave, South Africa, using stable isotopes and amino acid racemization in ostrich eggshell. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 136, 121-137.	1.0	81
61	Amino acid carbon isotopic fractionation patterns in oceanic dissolved organic matter: an unaltered photoautotrophic source for dissolved organic nitrogen in the ocean?. <i>Marine Chemistry</i> , 2004, 92, 123-134.	0.9	81
62	The Amino Acids Used in Reproduction by Butterflies: A Comparative Study of Dietary Sources Using Compound-Specific Stable Isotope Analysis. <i>Physiological and Biochemical Zoology</i> , 2005, 78, 819-827.	0.6	81
63	Tracing the source of soil organic matter eroded from temperate forest catchments using carbon and nitrogen isotopes. <i>Chemical Geology</i> , 2016, 445, 172-184.	1.4	81
64	Stable Hydrogen Isotope Fractionations during Autotrophic and Mixotrophic Growth of Microalgae. <i>Plant Physiology</i> , 1981, 67, 474-477.	2.3	79
65	Reworking of amino acid in marine sediments: Stable carbon isotopic composition of amino acids in sediments along the Washington coast. <i>Limnology and Oceanography</i> , 2001, 46, 14-23.	1.6	77
66	Devonian landscape heterogeneity recorded by a giant fungus. <i>Geology</i> , 2007, 35, 399.	2.0	76
67	High primary productivity and nitrogen cycling after the Paleoproterozoic phosphogenic event in the Aravalli Supergroup, India. <i>Precambrian Research</i> , 2009, 171, 37-56.	1.2	76
68	Rainfall stimulation of primary production in western Atlantic Ocean waters: roles of different nitrogen sources and co-limiting nutrients. <i>Marine Ecology - Progress Series</i> , 1999, 176, 205-214.	0.9	76
69	Solution behavior of reduced COH volatiles in silicate melts at high pressure and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1696-1710.	1.6	74
70	Carbon Isotope Fractionation by Ribulose-1,5-Bisophosphate Carboxylase from Various Organisms. <i>Plant Physiology</i> , 1978, 61, 680-687.	2.3	71
71	Chemical Evidence for Cell Wall Lignification and the Evolution of Tracheids in Early Devonian Plants. <i>International Journal of Plant Sciences</i> , 2003, 164, 691-702.	0.6	69
72	Title is missing!. <i>Hydrobiologia</i> , 2003, 499, 13-23.	1.0	67

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73	Nitrogen and hydrogen isotope compositions and solubility in silicate melts in equilibrium with reduced (N+H)-bearing fluids at high pressure and temperature: Effects of melt structure. <i>American Mineralogist</i> , 2010, 95, 987-999.	0.9	67
74	Productivity links morphology, symbiont specificity and bleaching in the evolution of Caribbean octocoral symbioses. <i>ISME Journal</i> , 2015, 9, 2620-2629.	4.4	67
75	Oxygen isotope analyses of chemically and microbially produced manganese oxides and manganates. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 4409-4425.	1.6	63
76	Solubility and solution mechanisms of C&O&H volatiles in silicate melt with variable redox conditions and melt composition at upper mantle temperatures and pressures. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6183-6199.	1.6	63
77	A new method to reconstruct fish diet and movement patterns from $\delta^{13}\text{C}$ values in otolith amino acids. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1330-1340.	0.7	59
78	Variability in the routing of dietary proteins and lipids to consumer tissues influences tissue-specific isotopic discrimination. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1448-1456.	0.7	58
79	Trophic interactions and food web structure of a subantarctic marine food web in the Beagle Channel: Bah&A Lapataia, Argentina. <i>Polar Biology</i> , 2017, 40, 807-821.	0.5	58
80	The destruction of paleoclimatic isotopic signals in Pleistocene carbonate soil nodules of Western Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 188, 249-273.	1.0	57
81	Hydrogen isotope ratios of mouse tissues are influenced by a variety of factors other than diet. <i>Science</i> , 1981, 214, 1374-1376.	6.0	56
82	Cycling of dissolved and particulate nitrogen and carbon in the Framvaren Fjord, Norway: stable isotopic variations. <i>Marine Chemistry</i> , 1999, 67, 161-180.	0.9	56
83	Biological and isotopic changes in coastal waters induced by Hurricane Gordon. <i>Limnology and Oceanography</i> , 1999, 44, 1359-1369.	1.6	56
84	Stable carbon isotope biogeochemistry of monosaccharides in aquatic organisms and terrestrial plants. <i>Organic Geochemistry</i> , 2007, 38, 458-473.	0.9	55
85	Ancient graphite in the Eoarchean quartz&pyroxene rocks from Akilia in southern West Greenland I: Petrographic and spectroscopic characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5862-5883.	1.6	55
86	Subsistence in the Florida Archaic: The Stable-Isotope and Archaeobotanical Evidence from the Windover Site. <i>American Antiquity</i> , 1994, 59, 288-303.	0.6	54
87	Isotope fractionation during ammonium uptake by marine microbial assemblages. <i>Geomicrobiology Journal</i> , 1994, 12, 113-127.	1.0	53
88	Warming alters routing of labile and slower-turnover carbon through distinct microbial groups in boreal forest organic soils. <i>Soil Biology and Biochemistry</i> , 2013, 60, 23-32.	4.2	52
89	A taphonomic study of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values in <i>Rhizophora</i> mangrove leaves for a multi-proxy approach to mangrove palaeoecology. <i>Organic Geochemistry</i> , 2003, 34, 1259-1275.	0.9	51
90	Ontogenetic diet shift in Commerson&TM's dolphin (<i>Cephalorhynchus commersonii commersonii</i>) off Tierra del Fuego. <i>Polar Biology</i> , 2013, 36, 617-627.	0.5	51

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91	Human predation contributed to the extinction of the Australian megafaunal bird <i>Genyornis newtoni</i> . <i>Nature Communications</i> , 2016, 7, 10496.	5.8	51
92	Polybrominated Diphenyl Ether (PBDE) Levels in Peregrine Falcon (<i>Falco peregrinus</i>) Eggs from California Correlate with Diet and Human Population Density. <i>Environmental Science & Technology</i> , 2010, 44, 5248-5255.	4.6	50
93	High phosphate availability as a possible cause for massive cyanobacterial production of oxygen in the Paleoproterozoic atmosphere. <i>Earth and Planetary Science Letters</i> , 2013, 362, 225-236.	1.8	50
94	The amino acid and stable isotope biogeochemistry of elephant bird (<i>Aepyornis</i>) eggshells from southern Madagascar. <i>Quaternary Science Reviews</i> , 2006, 25, 2343-2356.	1.4	49
95	A multiproxy peat record of Holocene mangrove palaeoecology from Twin Cays, Belize. <i>Holocene</i> , 2007, 17, 1129-1139.	0.9	47
96	Ancient graphite in the Eoarchean quartz-pyroxene rocks from Akilia in southern West Greenland II: Isotopic and chemical compositions and comparison with Paleoproterozoic banded iron formations. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5884-5905.	1.6	47
97	Alanine $\delta^{15}\text{N}$ trophic fractionation in heterotrophic protists. <i>Limnology and Oceanography</i> , 2017, 62, 2308-2322.	1.6	47
98	Isoscapes to Address Large-Scale Earth Science Challenges. <i>Eos</i> , 2009, 90, 109-110.	0.1	45
99	A molecular and isotopic study of the macromolecular organic matter of the ungrouped C2 WIS 91600 and its relationship to Tagish Lake and PCA 91008. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1446-1460.	0.7	44
100	Molecular and compound-specific hydrogen isotope analyses of insoluble organic matter from different carbonaceous chondrite groups. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3711-3721.	1.6	43
101	Stable carbon isotope ratios of fatty acids in seagrass and redhead ducks. <i>Chemical Geology</i> , 1998, 152, 29-41.	1.4	41
102	Long-term nitrogen and phosphorus fertilization effects on N_2 fixation rates and <i>nifH</i> gene community patterns in mangrove sediments. <i>Marine Ecology</i> , 2012, 33, 117-127.	0.4	41
103	Can amino acid carbon isotope ratios distinguish primary producers in a mangrove ecosystem?. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1541-1548.	0.7	38
104	Hydrogen isotopes in individual amino acids reflect differentiated pools of hydrogen from food and water in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4648-53.	3.3	38
105	Title is missing!. <i>Biogeochemistry</i> , 2003, 64, 25-52.	1.7	37
106	Phosphate oxygen isotope analysis on microsamples of bioapatite: removal of organic contamination and minimization of sample size. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1807-1816.	0.7	36
107	Isotopic fractionation of dissolved ammonium at the oxygen-hydrogen sulfide interface in anoxic waters. <i>Geophysical Research Letters</i> , 1991, 18, 649-652.	1.5	34
108	Isotopic and molecular distributions of biochemicals from fresh and buried <i>Rhizophora</i> mangle leaves. <i>Geochemical Transactions</i> , 2003, 4, 1.	1.8	34

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109	Vibrissae growth rates and trophic discrimination factors in captive southern sea otters (<i>Enhydra</i>) Tj ETQq1 1 0.784314 rgBT /Over	0.6	34
110	Disentangling the impacts of climate and human colonization on the flora and fauna of the Australian arid zone over the past 100 ka using stable isotopes in avian eggshell. <i>Quaternary Science Reviews</i> , 2016, 151, 27-57.	1.4	34
111	Pleistocene to historic shifts in bald eagle diets on the Channel Islands, California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9246-9251.	3.3	33
112	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
113	Isotope-ratio-monitoring of O ₂ for microanalysis of 18O/16O and 17O/16O in geological materials. <i>Geochimica Et Cosmochimica Acta</i> , 1998, 62, 3087-3094.	1.6	32
114	Isotopic and genetic methods reveal the role of the gut microbiome in mammalian host essential amino acid metabolism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192995.	1.2	32
115	Isotopic fractionation of nitrogen and carbon in the synthesis of amino acids by microorganisms. <i>Chemical Geology</i> , 1987, 65, 79-92.	1.4	31
116	High-pressure tolerance in <i>Halobacterium salinarum</i> NRC-1 and other non-piezophilic prokaryotes. <i>Extremophiles</i> , 2012, 16, 355-361.	0.9	27
117	Post-wildfire Erosion in Mountainous Terrain Leads to Rapid and Major Redistribution of Soil Organic Carbon. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	27
118	Trophic relationships of juvenile blue crabs (<i>Callinectes sapidus</i>) in estuarine habitats. <i>Hydrobiologia</i> , 2006, 568, 379-390.	1.0	26
119	An experimental exploration of the incorporation of hydrogen isotopes from dietary sources into avian tissues. <i>Journal of Experimental Biology</i> , 2012, 215, 1915-1922.	0.8	25
120	Mangrove ecosystem dynamics and elemental cycling at Twin Cays, Belize, during the Holocene. <i>Journal of Quaternary Science</i> , 2004, 19, 703-711.	1.1	24
121	Reconstructing palaeoenvironment from $\delta^{13}C$ and $\delta^{15}N$ values of soil organic matter: A calibration from arid and wetter elevation transects in Ethiopia. <i>Geoderma</i> , 2008, 147, 197-210.	2.3	24
122	Carbon isotopic evidence for increased aridity in northwestern Australia through the Quaternary. <i>Quaternary Science Reviews</i> , 2003, 22, 629-643.	1.4	23
123	Isotopic tracers of nitrogen from atmospheric deposition to coastal waters. <i>Chemical Geology</i> , 1993, 107, 233-236.	1.4	21
124	Paleoecological reconstructions in southern Egypt based on the stable carbon and nitrogen isotopes in the organic fraction and stable carbon isotopes in individual amino acids of fossil ostrich eggshell. <i>Chemical Geology</i> , 1993, 107, 493-497.	1.4	19
125	Stable isotope characteristics across narrow savanna/woodland ecotones in Wolfe Creek Meteorite Crater, Western Australia. <i>Oecologia</i> , 2005, 145, 100-112.	0.9	19
126	Nutritional stress and body condition in the Great Gray Owl (<i>Strix nebulosa</i>) during winter irruptive migrations. <i>Canadian Journal of Zoology</i> , 2012, 90, 787-797.	0.4	19

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127	Preparation of Ecological and Biochemical Samples for Isotope Analysis. , 2004, , 177-202.		18
128	Carbon isotope evidence for an abrupt reduction in grasses coincident with European settlement of Lake Eyre, South Australia. <i>Holocene</i> , 2005, 15, 888-896.	0.9	18
129	Examination of an Oligocene lacustrine ecosystem using C and N stable isotopes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 230, 335-351.	1.0	18
130	Quaternary record of aridity and mean annual precipitation based on $\delta^{15}\text{N}$ in ratite and dromornithid eggshells from Lake Eyre, Australia. <i>Oecologia</i> , 2011, 167, 1151-1162.	0.9	18
131	Variable δD values among major biochemicals in plants: Implications for environmental studies. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 117-127.	1.6	16
132	Stable isotopic evidence for fossil food webs in Eocene Lake Messel. <i>Paleobiology</i> , 2007, 33, 590-609.	1.3	15
133	Feeding ecology and evidence for amino acid synthesis in the periodical cicada (<i>Magicicada</i>). <i>Journal of Insect Physiology</i> , 2011, 57, 211-219.	0.9	15
134	Biogeochemical probing of microbial communities in a basalt-hosted hot spring at Kverkfjall volcano, Iceland. <i>Geobiology</i> , 2018, 16, 507-521.	1.1	15
135	Microbial community composition and endolith colonization at an arctic thermal spring are driven by calcite precipitation. <i>Environmental Microbiology Reports</i> , 2013, 5, 648-659.	1.0	14
136	Calibrating $\delta^{18}\text{O}$ in <i>Dromaius novaehollandiae</i> (emu) eggshell calcite as a paleo-aridity proxy for the Quaternary of Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 1-13.	1.6	13
137	Amino acid $\delta^{13}\text{C}$ fingerprints of nearshore marine autotrophs are consistent across broad spatiotemporal scales: An intercontinental isotopic dataset and likely biochemical drivers. <i>Functional Ecology</i> , 2022, 36, 1191-1203.	1.7	13
138	Environmental changes and the rise and fall of civilizations in the northern Horn of Africa: An approach combining δD analyses of land-plant derived fatty acids with multiple proxies in soil. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 111, 140-161.	1.6	12
139	Assimilation and isotopic discrimination of hydrogen in tilapia: implications for studying animal diet with $\delta^2\text{H}$. <i>Ecosphere</i> , 2017, 8, e01616.	1.0	12
140	Microbial Nitrogen and Sulfur Cycles at the Gypsum Dunes of White Sands National Monument, New Mexico. <i>Geomicrobiology Journal</i> , 2012, 29, 733-751.	1.0	11
141	The elemental analyzer sample carousel: loading an autosampler made easy. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1957-1959.	0.7	10
142	Effects of Metabolism and Physiology on the Production of Okenone and Bacteriochlorophyll <i>a</i> in Purple Sulfur Bacteria. <i>Geomicrobiology Journal</i> , 2014, 31, 128-137.	1.0	10
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