

Marilyn L Fogel

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153
papers

13,706
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63
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115
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159
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15,196
ext. citations

6.2
avg, IF

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L-index

#	Paper	IF	Citations
153	Depletion of ¹³ C in lignin and its implications for stable carbon isotope studies. <i>Nature</i> , 1987 , 329, 708-710	10.4	839
152	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	2.9	650
151	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	5.5	410
150	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	2.9	385
149	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		381
148	Photosynthetic Fractionation of the Stable Isotopes of Oxygen and Carbon. <i>Plant Physiology</i> , 1993 , 101, 37-47	6.6	343
147	Stable carbon and nitrogen isotope biogeochemistry in the Delaware estuary. <i>Limnology and Oceanography</i> , 1988 , 33, 1102-1115	4.8	324
146	Kinetic fractionation of stable nitrogen isotopes during amino acid transamination. <i>Geochimica Et Cosmochimica Acta</i> , 1986 , 50, 2143-2146	5.5	313
145	Ecosystem collapse in Pleistocene Australia and a human role in megafaunal extinction. <i>Science</i> , 2005 , 309, 287-90	33.3	296
144	Unique meteorite from early Amazonian Mars: water-rich basaltic breccia Northwest Africa 7034. <i>Science</i> , 2013 , 339, 780-5	33.3	284
143	Microbial alteration of stable nitrogen and carbon isotopic compositions of organic matter. <i>Organic Geochemistry</i> , 1984 , 6, 787-790	3.1	276
142	Pleistocene extinction of <i>genyornis newtoni</i> : human impact on australian megafauna. <i>Science</i> , 1999 , 283, 205-8	33.3	272
141	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	5.5	265
140	Extraterrestrial nucleobases in the Murchison meteorite. <i>Earth and Planetary Science Letters</i> , 2008 , 270, 130-136	5.3	246
139	Using stable isotopes to investigate individual diet specialization in California sea otters (<i>Enhydra lutris nereis</i>). <i>Ecology</i> , 2009 , 90, 961-74	4.6	229
138	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, 4413-8	11.5	217
137	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	2.9	203

136	Isotopic tracking of change in diet and habitat use in african elephants. <i>Science</i> , 1995 , 267, 1340-3	33.3	183
135	Isotope Fractionation during Primary Production. <i>Topics in Geobiology</i> , 1993 , 73-98	0.2	182
134	Differential fractionation of oxygen isotopes by cyanide-resistant and cyanide-sensitive respiration in plants. <i>Planta</i> , 1989 , 177, 483-91	4.7	182
133	Microbial activity at gigapascal pressures. <i>Science</i> , 2002 , 295, 1514-6	33.3	179
132	Diagenesis of belowground biomass of <i>Spartina alterniflora</i> in salt-marsh sediments. <i>Limnology and Oceanography</i> , 1991 , 36, 1358-1374	4.8	178
131	Variability in the preservation of the isotopic composition of collagen from fossil bone. <i>Geochimica Et Cosmochimica Acta</i> , 1988 , 52, 929-935	5.5	177
130	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	5.5	166
129	Origin and evolution of prebiotic organic matter as inferred from the Tagish Lake meteorite. <i>Science</i> , 2011 , 332, 1304-7	33.3	163
128	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	5.5	163
127	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	5.5	160
126	Biogeochemistry of the stable hydrogen isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 1980 , 44, 1197-1206	6.5	160
125	Isotopic fractionation of ammonium and nitrate during uptake by <i>Skeletonema costatum</i> : Implications for $\delta^{15}N$ dynamics under bloom conditions. <i>Limnology and Oceanography</i> , 1996 , 41, 451-459	4.8	154
124	A reduced organic carbon component in martian basalts. <i>Science</i> , 2012 , 337, 212-5	33.3	147
123	Isotope fractionation associated with ammonium uptake by a marine bacterium. <i>Limnology and Oceanography</i> , 1992 , 37, 1447-1459	4.8	145
122	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, 1132-41	4.7	142
121	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	5.5	137
120	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	2.9	122
119	Indigenous amino acids in primitive CR meteorites. <i>Meteoritics and Planetary Science</i> , 2007 , 42, 2125-2136	6.8	121

118	Climate change promotes parasitism in a coral symbiosis. <i>ISME Journal</i> , 2018 , 12, 921-930	11.9	117
117	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	2.9	111
116	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	4	109
115	Tracing food webs with stable hydrogen isotopes. <i>Science</i> , 1980 , 209, 1537-8	33.3	104
114	Geochemistry and geobiology of a present-day serpentinization site in California: The Cedars. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 109, 222-240	5.5	103
113	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, 13023-8	11.5	103
112	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	3.1	102
111	The problem of deep carbon—An Archean paradox. <i>Precambrian Research</i> , 2005 , 143, 1-22	3.9	98
110	Transformation of plant biochemicals to geological macromolecules during early diagenesis. <i>Oecologia</i> , 1999 , 120, 336-346	2.9	92
109	Determination of the isotopic composition of ammonium-nitrogen at the natural abundance level from estuarine waters. <i>Marine Chemistry</i> , 1989 , 26, 351-361	3.7	92
108	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, 2631-6	4.4	90
107	Biogeochemical record of ancient humans. <i>Organic Geochemistry</i> , 1997 , 27, 275-287	3.1	86
106	Contributions of direct incorporation from diet and microbial amino acids to protein synthesis in Nile tilapia. <i>Functional Ecology</i> , 2011 , 25, 1051-1062	5.6	85
105	Nitrate competition in a coral symbiosis varies with temperature among Symbiodinium clades. <i>ISME Journal</i> , 2013 , 7, 1248-51	11.9	82
104	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	5.5	81
103	Quantitative paleotemperature estimates from $\delta^{18}\text{O}$ of chironomid head capsules preserved in arctic lake sediments. <i>Journal of Paleolimnology</i> , 2004 , 31, 267-274	2.1	77
102	Variation in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ diet-vibrissae trophic discrimination factors in a wild population of California sea otters 2010 , 20, 1744-52		74
101	Diagenesis of organic matter in Georgia salt marshes. <i>Estuarine, Coastal and Shelf Science</i> , 1989 , 28, 211-230		71

100	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	2.9	70
99	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	1.6	70
98	Solution behavior of reduced COH volatiles in silicate melts at high pressure and temperature. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1696-1710	5.5	68
97	An examination of the carbon isotope effects associated with amino acid biosynthesis. <i>Astrobiology</i> , 2006 , 6, 867-80	3.7	67
96	Carbon isotope fractionation by ribulose-1,5-bisophosphate carboxylase from various organisms. <i>Plant Physiology</i> , 1978 , 61, 680-7	6.6	67
95	Amino acid $\delta^{13}C$ 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	2.8	66
94	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	1.8	66
93	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, 819-27	2	66
92	Stable Hydrogen Isotope Fractionations during Autotrophic and Mixotrophic Growth of Microalgae. <i>Plant Physiology</i> , 1981 , 67, 474-7	6.6	66
91	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	3.7	63
90	High primary productivity and nitrogen cycling after the Paleoproterozoic phosphogenic event in the Aravalli Supergroup, India. <i>Precambrian Research</i> , 2009 , 171, 37-56	3.9	60
89	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	2.6	60
88	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	4.2	60
87	Link between sewage-derived nitrogen pollution and coral disease severity in Guam. <i>Marine Pollution Bulletin</i> , 2013 , 73, 57-63	6.7	59
86	Solubility and solution mechanisms of COH 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	5.5	58
85	Quality or quantity: is nutrient transfer driven more by symbiont identity and productivity than by symbiont abundance?. <i>ISME Journal</i> , 2013 , 7, 1116-25	11.9	57
84	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	4.8	57
83	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	2.6	57

82	Carbon and nitrogen stable isotopic variation in <i>Laguncularia racemosa</i> (L.) (white mangrove) from Florida and Belize: implications for trophic level studies. <i>Hydrobiologia</i> , 2003 , 499, 13-23	2.4	56
81	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	2.9	55
80	Oxygen isotope analyses of chemically and microbially produced manganese oxides and manganates. <i>Geochimica Et Cosmochimica Acta</i> , 1995 , 59, 4409-4425	5.5	55
79	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	2.4	54
78	Devonian landscape heterogeneity recorded by a giant fungus. <i>Geology</i> , 2007 , 35, 399	5	52
77	Hydrogen isotope ratios of mouse tissues are influenced by a variety of factors other than diet. <i>Science</i> , 1981 , 214, 1374-6	33.3	51
76	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	7.5	49
75	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, 5248-55	10.3	49
74	Ancient graphite in the Eoarchean quartzite rocks from Akilia in southern West Greenland I: Petrographic and spectroscopic characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 5862-5883	5.5	49
73	Cycling of dissolved and particulate nitrogen and carbon in the Framvaren Fjord, Norway: stable isotopic variations. <i>Marine Chemistry</i> , 1999 , 67, 161-180	3.7	46
72	Stable carbon isotope biogeochemistry of monosaccharides in aquatic organisms and terrestrial plants. <i>Organic Geochemistry</i> , 2007 , 38, 458-473	3.1	45
71	A taphonomic study of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values in <i>Rhizophora</i> mangle leaves for a multi-proxy approach to mangrove palaeoecology. <i>Organic Geochemistry</i> , 2003 , 34, 1259-1275	3.1	45
70	The destruction of paleoclimatic isotopic signals in Pleistocene carbonate soil nodules of Western Australia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002 , 188, 249-273	2.9	44
69	Isotope fractionation during ammonium uptake by marine microbial assemblages. <i>Geomicrobiology Journal</i> , 1994 , 12, 113-127	2.5	44
68	Productivity links morphology, symbiont specificity and bleaching in the evolution of Caribbean octocoral symbioses. <i>ISME Journal</i> , 2015 , 9, 2620-9	11.9	43
67	A multiproxy peat record of Holocene mangrove palaeoecology from Twin Cays, Belize. <i>Holocene</i> , 2007 , 17, 1129-1139	2.6	43
66	Ontogenetic diet shift in Commerson's dolphin (<i>Cephalorhynchus commersonii commersonii</i>) off Tierra del Fuego. <i>Polar Biology</i> , 2013 , 36, 617-627	2	42
65	Subsistence in the Florida Archaic: The Stable-Isotope and Archaeobotanical Evidence from the Windover Site. <i>American Antiquity</i> , 1994 , 59, 288-303	0.9	42

64	Biological and isotopic changes in coastal waters induced by Hurricane Gordon. <i>Limnology and Oceanography</i> , 1999 , 44, 1359-1369	4.8	41
63	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	5.5	40
62	Human predation contributed to the extinction of the Australian megafaunal bird <i>Genyornis newtoni</i> ~47 ka. <i>Nature Communications</i> , 2016 , 7, 10496	17.4	39
61	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	5.3	39
60	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	2.8	39
59	Long-term nitrogen and phosphorus fertilization effects on N ₂ fixation rates and nifH gene community patterns in mangrove sediments. <i>Marine Ecology</i> , 2012 , 33, 117-127	1.4	38
58	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	3.9	38
57	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, 1448-56	2.2	37
56	Stable carbon isotope ratios of fatty acids in seagrass and redhead ducks. <i>Chemical Geology</i> , 1998 , 152, 29-41	4.2	36
55	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	5.5	35
54	Trophic interactions and food web structure of a subantarctic marine food web in the Beagle Channel: Bah� Lapataia, Argentina. <i>Polar Biology</i> , 2017 , 40, 807-821	2	34
53	Isoscapes to Address Large-Scale Earth Science Challenges. <i>Eos</i> , 2009 , 90, 109-110	1.5	34
52	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	3.9	31
51	Isotopic and molecular distributions of biochemicals from fresh and buried <i>Rhizophora</i> mangle leaves. <i>Geochemical Transactions</i> , 2003 , 4, 1	3	31
50	Can amino acid carbon isotope ratios distinguish primary producers in a mangrove ecosystem?. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 1541-8	2.2	30
49	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, 9246-51	11.5	30
48	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, 1807-16	2.2	30
47	Alanine $\delta^{15}N$ trophic fractionation in heterotrophic protists. <i>Limnology and Oceanography</i> , 2017 , 62, 2308-2322	4.8	29

46	Vibrissae growth rates and trophic discrimination factors in captive southern sea otters (<i>Enhydra lutris nereis</i>). <i>Journal of Mammalogy</i> , 2013 , 94, 331-338	1.8	28
45	Isotope-ratio-monitoring of O2 for microanalysis of 18O/16O and 17O/16O in geological materials. <i>Geochimica Et Cosmochimica Acta</i> , 1998 , 62, 3087-3094	5.5	28
44	Seasonal and diel relationships between the isotopic compositions of dissolved and particulate organic matter in freshwater ecosystems. <i>Biogeochemistry</i> , 2003 , 64, 25-52	3.8	27
43	Isotopic fractionation of dissolved ammonium at the oxygen-hydrogen sulfide interface in anoxic waters. <i>Geophysical Research Letters</i> , 1991 , 18, 649-652	4.9	27
42	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	11.5	27
41	The origin of NO3 ⁻ and N2 in deep subsurface fracture water of South Africa. <i>Chemical Geology</i> , 2012 , 294-295, 51-62	4.2	24
40	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	6.7	24
39	Mangrove ecosystem dynamics and elemental cycling at Twin Cays, Belize, during the Holocene. <i>Journal of Quaternary Science</i> , 2004 , 19, 703-711	2.3	23
38	High-pressure tolerance in <i>Halobacterium salinarum</i> NRC-1 and other non-piezophilic prokaryotes. <i>Extremophiles</i> , 2012 , 16, 355-61	3	21
37	An experimental exploration of the incorporation of hydrogen isotopes from dietary sources into avian tissues. <i>Journal of Experimental Biology</i> , 2012 , 215, 1915-22	3	21
36	Trophic relationships of juvenile blue crabs (<i>Callinectes sapidus</i>) in estuarine habitats. <i>Hydrobiologia</i> , 2006 , 568, 379-390	2.4	21
35	Isotopic tracers of nitrogen from atmospheric deposition to coastal waters. <i>Chemical Geology</i> , 1993 , 107, 233-236	4.2	20
34	Post-wildfire Erosion in Mountainous Terrain Leads to Rapid and Major Redistribution of Soil Organic Carbon. <i>Frontiers in Earth Science</i> , 2017 , 5,	3.5	19
33	Carbon isotopic evidence for increased aridity in northwestern Australia through the Quaternary. <i>Quaternary Science Reviews</i> , 2003 , 22, 629-643	3.9	18
32	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	2.6	18
31	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	4.2	18
30	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	4.4	16
29	Examination of an Oligocene lacustrine ecosystem using C and N stable isotopes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 230, 335-351	2.9	15

28	Stable isotope characteristics across narrow savanna/woodland ecotones in Wolfe Creek Meteorite Crater, Western Australia. <i>Oecologia</i> , 2005 , 145, 100-12	2.9	15
27	Variable δ values among major biochemicals in plants: Implications for environmental studies. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 111, 117-127	5.5	13
26	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, 1151-62	2.9	13
25	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	1.5	13
24	Stable isotopic evidence for fossil food webs in Eocene Lake Messel. <i>Paleobiology</i> , 2007 , 33, 590-609	2.6	12
23	Preparation of Ecological and Biochemical Samples for Isotope Analysis 2004 , 177-202		12
22	Microbial community composition and endolith colonization at an Arctic thermal spring are driven by calcite precipitation. <i>Environmental Microbiology Reports</i> , 2013 , 5, 648-59	3.7	10
21	Assimilation and isotopic discrimination of hydrogen in tilapia: implications for studying animal diet with $\delta^2\text{H}$. <i>Ecosphere</i> , 2017 , 8, e01616	3.1	9
20	Feeding ecology and evidence for amino acid synthesis in the periodical cicada (<i>Magicicada</i>). <i>Journal of Insect Physiology</i> , 2011 , 57, 211-9	2.4	9
19	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	5.5	9
18	Effects of Metabolism and Physiology on the Production of Okenone and Bacteriochlorophyll a in Purple Sulfur Bacteria. <i>Geomicrobiology Journal</i> , 2014 , 31, 128-137	2.5	8
17	Environmental changes and the rise and fall of civilizations in the northern Horn of Africa: An approach combining δ analyses of land-plant derived fatty acids with multiple proxies in soil. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 111, 140-161	5.5	8
16	Microbial Nitrogen and Sulfur Cycles at the Gypsum Dunes of White Sands National Monument, New Mexico. <i>Geomicrobiology Journal</i> , 2012 , 29, 733-751	2.5	8
15	Insight into niche separation of Risso's dolphin (<i>Grampus griseus</i>) in the southwestern South Atlantic via $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values. <i>Marine Mammal Science</i> , 2012 , 28, E503-E515	1.9	7
14	The elemental analyzer sample carousel: loading an autosampler made easy. <i>Rapid Communications in Mass Spectrometry</i> , 2001 , 15, 1957-1959	2.2	7
13	Molecular preservation and bulk isotopic signals of ancient rice from the Neolithic Tianluoshan site, lower Yangtze River valley, China. <i>Organic Geochemistry</i> , 2013 , 63, 85-93	3.1	6
12	Isotopic and geochemical investigation of two distinct Mars analog environments using evolved gas techniques in Svalbard, Norway. <i>Icarus</i> , 2013 , 224, 297-308	3.8	6
11	Assimilation and discrimination of hydrogen isotopes in a terrestrial mammal. <i>Oecologia</i> , 2018 , 188, 381-393	3.3	5

10	Biogeochemical probing of microbial communities in a basalt-hosted hot spring at Kverkfjall volcano, Iceland. <i>Geobiology</i> , 2018 , 16, 507-521	4.3	5
9	Wolfe Creek Crater: A continuous sediment fill in the Australian Arid Zone records changes in monsoon strength through the Late Quaternary. <i>Quaternary Science Reviews</i> , 2018 , 199, 108-125	3.9	4
8	Stable isotope analyses of manatee bones measure historical nitrogen pollution in Florida waters, 1975-2010. <i>Marine Biology</i> , 2018 , 165, 1	2.5	2
7	Marine nutrient transport: anadromous fish migration linked to the freshwater amphipod <i>Gammarus fasciatus</i> . <i>Canadian Journal of Zoology</i> , 2010 , 88, 546-552	1.5	2
6	Stable hydrogen isotope variability within and among plumage tracts ($\delta^2\text{H}$) of a migratory wood warbler. <i>PLoS ONE</i> , 2018 , 13, e0193486	3.7	2
5	Compound-specific $\delta^15\text{N}$ analysis highlights the relationship between direct assimilation and de novo synthesis of amino acids from food and water in a terrestrial mammalian omnivore. <i>Oecologia</i> , 2020 , 193, 827-842	2.9	1
4	The elemental analyzer sample carousel: loading an autosampler made easy 2001 , 15, 1957		1
3	Dynamic river processes drive variability in particulate organic matter over fine spatiotemporal scales. <i>Freshwater Biology</i> , 2020 , 65, 1569-1584	3.1	0
2	Effect of rainbow trout introductions on food webs in lakes of the arid Patagonia. <i>Hydrobiologia</i> , 2011 , 667, 1-12	2.4	0
1	Isotopic and molecular distributions of biochemicals from fresh and buried <i>Rhizophora</i> mangle leaves Presented at the ACS Division of Geochemistry Symposium "Stable isotope signatures for establishing paleoenvironmental change", Orlando, April 2002.. <i>Geochemical Transactions</i> , 2003 , 4, 38	3	0