

Thure E Cerling

List of Publications by Year in descending order

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215
papers

23,051
citations

11651

70
h-index

8630

146
g-index

220
all docs

220
docs citations

220
times ranked

12882
citing authors

#	ARTICLE	IF	CITATIONS
1	Global vegetation change through the Miocene/Pliocene boundary. <i>Nature</i> , 1997, 389, 153-158.	27.8	1,841
2	C 4 photosynthesis, atmospheric CO ₂ , and climate. <i>Oecologia</i> , 1997, 112, 285-299.	2.0	1,232
3	The stable isotopic composition of modern soil carbonate and its relationship to climate. <i>Earth and Planetary Science Letters</i> , 1984, 71, 229-240.	4.4	1,225
4	Carbon isotope fractionation between diet and bioapatite in ungulate mammals and implications for ecological and paleoecological studies. <i>Oecologia</i> , 1999, 120, 347-363.	2.0	829
5	Development of Asian monsoon revealed by marked ecological shift during the latest Miocene in northern Pakistan. <i>Nature</i> , 1989, 342, 163-166.	27.8	824
6	On the isotopic composition of carbon in soil carbon dioxide. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 3403-3405.	3.9	641
7	Expansion of C4 ecosystems as an indicator of global ecological change in the late Miocene. <i>Nature</i> , 1993, 361, 344-345.	27.8	628
8	Woody cover and hominin environments in the past 6 million years. <i>Nature</i> , 2011, 476, 51-56.	27.8	514
9	Carbon isotope fractionation between diet, breath CO ₂ , and bioapatite in different mammals. <i>Journal of Archaeological Science</i> , 2005, 32, 1459-1470.	2.4	484
10	Stable isotopes as one of nature's ecological recorders. <i>Trends in Ecology and Evolution</i> , 2006, 21, 408-414.	8.7	409
11	Systematic variations in the carbon and oxygen isotopic composition of pedogenic carbonate along elevation transects in the southern Great Basin, United States. <i>Bulletin of the Geological Society of America</i> , 1989, 101, 464-475.	3.3	408
12	High-temperature environments of human evolution in East Africa based on bond ordering in paleosol carbonates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11245-11249.	7.1	363
13	A stable isotope aridity index for terrestrial environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11201-11205.	7.1	354
14	Expansion of C4 grasses in the Late Miocene of Northern Pakistan: evidence from stable isotopes in paleosols. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1995, 115, 91-116.	2.3	343
15	DIETS OF EAST AFRICAN BOVIDAE BASED ON STABLE ISOTOPE ANALYSIS. <i>Journal of Mammalogy</i> , 2003, 84, 456-470.	1.3	338
16	A model of fossil tooth and bone diagenesis: implications for paleodiet reconstruction from stable isotopes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1994, 107, 281-289.	2.3	323
17	Hydrogen and oxygen isotope ratios in human hair are related to geography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2788-2793.	7.1	322
18	Stable isotope ecology in the Ituri Forest. <i>Oecologia</i> , 2004, 138, 5-12.	2.0	290

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19	Diet of <i>Paranthropus boisei</i> in the early Pleistocene of East Africa. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9337-9341.	7.1	263
20	Tooth enamel mineralization in ungulates: implications for recovering a primary isotopic time-series. Geochimica Et Cosmochimica Acta, 2002, 66, 3225-3234.	3.9	257
21	Browsing and grazing in elephants: the isotope record of modern and fossil proboscideans. Oecologia, 1999, 120, 364-374.	2.0	251
22	An Isotopic Study of Paleosol Carbonates from Olduvai Gorge. Quaternary Research, 1986, 25, 63-78.	1.7	250
23	An experimental study of carbon-isotope fractionation between diet, hair, and feces of mammalian herbivores. Canadian Journal of Zoology, 2003, 81, 871-876.	1.0	237
24	Stable Carbon and Oxygen Isotopes in Soil Carbonates. Geophysical Monograph Series, 0, , 217-231.	0.1	234
25	Ancient Diets, Ecology, and Extinction of 5-Million-Year-Old Horses from Florida. Science, 1999, 283, 824-827.	12.6	217
26	Stable isotope ratios of tap water in the contiguous United States. Water Resources Research, 2007, 43, .	4.2	212
27	Isotopic Evidence for Dietary Variability in the Early Hominin <i>Paranthropus robustus</i> . Science, 2006, 314, 980-982.	12.6	206
28	Turnover of oxygen and hydrogen isotopes in the body water, CO ₂ , hair, and enamel of a small mammal. Geochimica Et Cosmochimica Acta, 2008, 72, 19-35.	3.9	199
29	Stable isotopes in elephant hair document migration patterns and diet changes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 371-373.	7.1	193
30	Dietary changes of large herbivores in the Turkana Basin, Kenya from 4 to 1 Ma. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11467-11472.	7.1	191
31	The annual carbon dioxide cycle in a montane soil: Observations, modeling, and implications for weathering. Water Resources Research, 1987, 23, 2257-2265.	4.2	180
32	Mammalian herbivore communities, ancient feeding ecology, and carbon isotopes: A 10 million-year sequence from the Neogene of Florida. Journal of Vertebrate Paleontology, 1996, 16, 103-115.	1.0	178
33	Stable isotope-based diet reconstructions of Turkana Basin hominins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10501-10506.	7.1	177
34	Fossil horses and carbon isotopes: new evidence for Cenozoic dietary, habitat, and ecosystem changes in North America. Palaeogeography, Palaeoclimatology, Palaeoecology, 1994, 107, 269-279.	2.3	169
35	Use of carbon isotopes in paleosols as an indicator of the P(CO ₂) of the paleoatmosphere. Global Biogeochemical Cycles, 1992, 6, 307-314.	4.9	168
36	Environmental Change in the Great Plains: An Isotopic Record from Fossil Horses. Journal of Geology, 2002, 110, 123-140.	1.4	164

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37	Ecological changes in Miocene mammalian record show impact of prolonged climatic forcing. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12145-12149.	7.1	164
38	An isotopic study of a fluvial-lacustrine sequence: The Plio-Pleistocene koobi fora sequence, East Africa. Palaeogeography, Palaeoclimatology, Palaeoecology, 1988, 63, 335-356.	2.3	162
39	A 16-Ma record of paleodiet using carbon and oxygen isotopes in fossil teeth from Pakistan. Chemical Geology, 1992, 94, 183-192.	3.3	162
40	Dietary and environmental reconstruction with stable isotope analyses of herbivore tooth enamel from the Miocene locality of Fort Ternan, Kenya. Journal of Human Evolution, 1997, 33, 635-650.	2.6	162
41	Strengthened East Asian summer monsoons during a period of high-latitude warmth? Isotopic evidence from Mio-Pliocene fossil mammals and soil carbonates from northern China. Earth and Planetary Science Letters, 2009, 277, 443-452.	4.4	161
42	Timing of C4 grass expansion across sub-Saharan Africa. Journal of Human Evolution, 2007, 53, 549-559.	2.6	157
43	Late Miocene to Pliocene carbon isotope record of differential diet change among East African herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6509-6514.	7.1	156
44	Isotopic composition of waters from Ethiopia and Kenya: Insights into moisture sources for eastern Africa. Journal of Geophysical Research, 2009, 114, .	3.3	155
45	Rancho La Brea stable isotope biogeochemistry and its implications for the palaeoecology of late Pleistocene, coastal southern California. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 205, 199-219.	2.3	154
46	Treatment methods for the determination of $\delta^2\text{H}$ and $\delta^{18}\text{O}$ of hair keratin by continuous-flow isotope-ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 2371-2378.	1.5	145
47	Determining biological tissue turnover using stable isotopes: the reaction progress variable. Oecologia, 2007, 151, 175-189.	2.0	145
48	Paleosol carbonates from the Omo Group: Isotopic records of local and regional environmental change in East Africa. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 307, 75-89.	2.3	145
49	Stable carbon and oxygen isotope analysis of fossil tooth enamel using laser ablation. Palaeogeography, Palaeoclimatology, Palaeoecology, 1996, 126, 173-186.	2.3	130
50	Lothagam: a record of faunal change in the late Miocene of East Africa. Journal of Vertebrate Paleontology, 1996, 16, 556-570.	1.0	130
51	Aridity and hominin environments. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7331-7336.	7.1	127
52	Hydrogeochemistry of Lake Turkana, Kenya: Mass balance and mineral reactions in an alkaline lake. Geochimica Et Cosmochimica Acta, 1983, 47, 1099-1109.	3.9	123
53	Dietary and physiological controls on the hydrogen and oxygen isotope ratios of hair from mid-20th century indigenous populations. American Journal of Physical Anthropology, 2009, 139, 494-504.	2.1	121
54	Cosmogenic ^3He production rates from 39°N to 46°N latitude, western USA and France. Geochimica Et Cosmochimica Acta, 1994, 58, 249-255.	3.9	113

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55	Stable isotopic evidence from paleosol carbonates and fossil teeth in Greece for forest or woodlands over the past 11 Ma. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1994, 108, 41-53.	2.3	102
56	Paleodietary reconstruction of Miocene faunas from PaÅyalar, Turkey using stable carbon and oxygen isotopes of fossil tooth enamel. <i>Journal of Human Evolution</i> , 1995, 28, 373-384.	2.6	102
57	Comment on the Paleoenvironment of <i>Ardipithecus ramidus</i> . <i>Science</i> , 2010, 328, 1105-1105.	12.6	102
58	Paleochemistry of plio-pleistocene lake Turkana, Kenya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1979, 27, 247-285.	2.3	101
59	Ancient latitudinal gradients of C3 /C4 grasses interpreted from stable isotopes of New World Pleistocene horse (<i>Equus</i>) teeth. <i>Global Ecology and Biogeography</i> , 1999, 8, 137-149.	5.8	101
60	South American fossil mammals and carbon isotopes: a 25 million-year sequence from the Bolivian Andes. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1994, 107, 257-268.	2.3	98
61	Extinction implications of a chenopod browse diet for a giant Pleistocene kangaroo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11646-11650.	7.1	97
62	Using Isoscapes to Track Animal Migration. , 2010, , 273-298.		97
63	Stable isotopes in fossil hominin tooth enamel suggest a fundamental dietary shift in the Pliocene. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3389-3396.	4.0	97
64	Stable hydrogen and oxygen isotope ratios of bottled waters of the world. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3442-3450.	1.5	96
65	History of Animals using Isotope Records (HAIR): A 6-year dietary history of one family of African elephants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8093-8100.	7.1	96
66	Cenozoic Terrestrial Ecosystem Evolution in Argentina: Evidence from Carbon Isotopes of Fossil Mammal Teeth. <i>Palaïos</i> , 1996, 11, 319.	1.3	92
67	Low-temperature alteration of volcanic glass: Hydration, Na, K, 18O and Ar mobility. <i>Chemical Geology: Isotope Geoscience Section</i> , 1985, 52, 281-293.	0.6	86
68	Carbon starvation in glacial trees recovered from the La Brea tar pits, southern California. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 690-694.	7.1	86
69	Spatial distributions of carbon, nitrogen and sulfur isotope ratios in human hair across the central United States. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 861-868.	1.5	81
70	Strontium isotopes delineate fine-scale natal origins and migration histories of Pacific salmon. <i>Science Advances</i> , 2015, 1, e1400124.	10.3	81
71	12. Stable Isotope Compositions of Biological Apatite. , 2002, , 455-488.		79
72	Hydrogen and Oxygen Stable Isotope Ratios of Milk in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2358-2363.	5.2	79

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73	Inverse methods for estimating primary input signals from time-averaged isotope profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 4101-4116.	3.9	74
74	Dietary Heterogeneity among Western Industrialized Countries Reflected in the Stable Isotope Ratios of Human Hair. <i>PLoS ONE</i> , 2012, 7, e34234.	2.5	74
75	Paleorecords of C4 Plants and Ecosystems. , 1999, , 445-469.		72
76	Climate, CO ₂ , and the history of North American grasses since the Last Glacial Maximum. <i>Science Advances</i> , 2016, 2, e1501346.	10.3	72
77	Geography and Vintage Predicted by a Novel GIS Model of Wine $\delta^{18}O$. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7075-7083.	5.2	71
78	Cosmogenic neon in recent lavas from the western United States. <i>Geophysical Research Letters</i> , 1992, 19, 1863-1866.	4.0	69
79	Atmospheric CO ₂ as a Global Change Driver Influencing Plant-Animal Interactions. <i>Integrative and Comparative Biology</i> , 2002, 42, 424-430.	2.0	69
80	Using carbon isotopes to track dietary change in modern, historical, and ancient primates. <i>American Journal of Physical Anthropology</i> , 2009, 140, 661-670.	2.1	69
81	Digestion and passage rates of grass hays by llamas, alpacas, goats, rabbits, and horses. <i>Small Ruminant Research</i> , 2003, 48, 149-154.	1.2	67
82	Diet of Theropithecus from 4 to 1 Ma in Kenya. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10507-10512.	7.1	67
83	Bomb-curve radiocarbon measurement of recent biologic tissues and applications to wildlife forensics and stable isotope (paleo)ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11736-11741.	7.1	65
84	Small mammal carbon isotope ecology across the Miocene–Pliocene boundary, northwestern Argentina. <i>Earth and Planetary Science Letters</i> , 2012, 321-322, 177-188.	4.4	64
85	In situ stable isotope analysis ($\delta^{13}C$, $\delta^{18}O$) of very small teeth using laser ablation GC/IRMS. <i>Chemical Geology</i> , 2006, 235, 238-249.	3.3	62
86	Radiocarbon dating of seized ivory confirms rapid decline in African elephant populations and provides insight into illegal trade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13330-13335.	7.1	62
87	Stable isotope time-series in mammalian teeth: In situ $\delta^{18}O$ from the innermost enamel layer. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 223-236.	3.9	61
88	Isotopic ordering in eggshells reflects body temperatures and suggests differing thermophysiology in two Cretaceous dinosaurs. <i>Nature Communications</i> , 2015, 6, 8296.	12.8	60
89	Formation of freshwater Fe-Mn coatings on gravel and the behavior of ⁶⁰ Co, ⁹⁰ Sr, and ¹³⁷ Cs in a small watershed. <i>Geochimica Et Cosmochimica Acta</i> , 1982, 46, 1333-1343.	3.9	59
90	Evaluating uncertainty in the calculation of non-exchangeable hydrogen fractions within organic materials. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1275-1280.	1.5	59

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91	Environments and trypanosomiasis risks for early herders in the later Holocene of the Lake Victoria basin, Kenya. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3674-3679.	7.1	59
92	Temperature dependence of oxygen isotope acid fractionation for modern and fossil tooth enamels. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2853-2859.	1.5	56
93	Displacement rates on the Toroweap and Hurricane faults: Implications for Quaternary downcutting in the Grand Canyon, Arizona. <i>Geology</i> , 2001, 29, 1035.	4.4	54
94	Variation of Hydrogen, Carbon, Nitrogen, and Oxygen Stable Isotope Ratios in an American Diet: Fast Food Meals. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4084-4091.	5.2	53
95	A Framework for the Incorporation of Isotopes and Isoscapes in Geospatial Forensic Investigations. , 2010, , 357-387.		53
96	Forensic Stable Isotope Biogeochemistry. <i>Annual Review of Earth and Planetary Sciences</i> , 2016, 44, 175-206.	11.0	51
97	Orphans' tales: seasonal dietary changes in elephants from Tsavo National Park, Kenya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 206, 367-376.	2.3	50
98	Strontium isotope variation and carbonate versus silicate weathering in rivers from across Alaska: Implications for provenance studies. <i>Chemical Geology</i> , 2014, 389, 167-181.	3.3	50
99	Opinion: Why we need a centralized repository for isotopic data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2997-3001.	7.1	50
100	Cooperation and individuality among man-eating lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19040-19043.	7.1	49
101	Detecting intraannual dietary variability in wild mountain gorillas by stable isotope analysis of feces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21277-21282.	7.1	49
102	Paleorifting between the Gregory and Ethiopian Rifts. <i>Geology</i> , 1977, 5, 441.	4.4	47
103	Comparison of a paleosol-carbonate isotope record to other records of Pliocene-early Pleistocene climate in the western United States. <i>Geology</i> , 1993, 21, 691.	4.4	43
104	A mass-balance approach to basin sedimentation: Constraints on the recent history of the Turkana basin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1986, 54, 63-86.	2.3	41
105	Links between Purchase Location and Stable Isotope Ratios of Bottled Water, Soda, and Beer in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 7311-7316.	5.2	41
106	A New Tooth Wear-Based Dietary Analysis Method for Proboscidea (Mammalia). <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e918546.	1.0	40
107	Climate, ecology, and the spread of herding in eastern Africa. <i>Quaternary Science Reviews</i> , 2019, 204, 119-132.	3.0	39
108	Fossil Mice and Rats Show Isotopic Evidence of Niche Partitioning and Change in Dental Ecomorphology Related to Dietary Shift in Late Miocene of Pakistan. <i>PLoS ONE</i> , 2013, 8, e69308.	2.5	38

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109	Mars chronology: assessing techniques for quantifying surficial processes. <i>Earth-Science Reviews</i> , 2004, 67, 313-337.	9.1	37
110	Strontium isotopes in otoliths of a non-migratory fish (slimy sculpin): Implications for provenance studies. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 149, 32-45.	3.9	37
111	12.2. Isotope Paleoeology of the Nawata and Nachukui Formations at Lothagam, Turkana Basin, Kenya. , 2003, , 605-624.		37
112	Cosmogenic ³ He and ²¹ Ne age of the Big Lost River flood, Snake River Plain, Idaho. <i>Geology</i> , 1994, 22, 227.	4.4	36
113	Establishing chronologies from isotopic profiles in serially collected animal tissues: An example using tail hairs from African elephants. <i>Chemical Geology</i> , 2009, 267, 3-11.	3.3	36
114	Pliocene and Pleistocene geologic and climatic evolution in the San Luis Valley of south-central Colorado. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1992, 94, 55-86.	2.3	35
115	Causes and Consequences of Pleistocene Megafaunal Extinctions as Revealed from Rancho La Brea Mammals. <i>Current Biology</i> , 2019, 29, 2488-2495.e2.	3.9	35
116	Increased age estimate for the Lower Palaeolithic hominid site at Olorgesailie, Kenya. <i>Nature</i> , 1987, 329, 237-239.	27.8	34
117	Aberrant Water Homeostasis Detected by Stable Isotope Analysis. <i>PLoS ONE</i> , 2010, 5, e11699.	2.5	34
118	Cosmogenic ages and frequency of late Holocene debris flows from Prospect Canyon, Grand Canyon, USA. <i>Geomorphology</i> , 1999, 27, 93-111.	2.6	33
119	Seasonal diet changes of the forest hog (<i>Hylochoerus meinertzhageni</i> Thomas) based on the carbon isotopic composition of hair. <i>African Journal of Ecology</i> , 2004, 42, 88-92.	0.9	33
120	Worldwide stable carbon and nitrogen isotopes of Big Mac® patties: An example of a truly "global" food. <i>Food Chemistry</i> , 2011, 127, 1712-1718.	8.2	33
121	Stable isotopic variation in tropical forest plants for applications in primatology. <i>American Journal of Primatology</i> , 2016, 78, 1041-1054.	1.7	33
122	Cosmogenic ³ He exposure ages of Pleistocene debris flows and desert pavements in Capitol Reef National Park, Utah. <i>Geomorphology</i> , 2005, 67, 423-435.	2.6	32
123	Peak discharge of a Pleistocene lava-dam outburst flood in Grand Canyon, Arizona, USA. <i>Quaternary Research</i> , 2006, 65, 324-335.	1.7	31
124	Diets of Kenyan elephants from stable isotopes and the origin of confiscated ivory in Kenya. <i>African Journal of Ecology</i> , 2007, 45, 614-623.	0.9	31
125	² H and ¹⁸ O of human body water: a GIS model to distinguish residents from non-residents in the contiguous USA. <i>Isotopes in Environmental and Health Studies</i> , 2012, 48, 259-279.	1.0	31
126	Hydrogen and Oxygen Isotope Ratios in Body Water and Hair: Modeling Isotope Dynamics in Nonhuman Primates. <i>American Journal of Primatology</i> , 2012, 74, 651-660.	1.7	31

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127	Calcium isotopic patterns in enamel reflect different nursing behaviors among South African early hominins. <i>Science Advances</i> , 2019, 5, eaax3250.	10.3	31
128	Isotopic consequences of consumer food choice: Hydrogen and oxygen stable isotope ratios in foods from fast food restaurants versus supermarkets. <i>Food Chemistry</i> , 2010, 119, 1250-1256.	8.2	29
129	Deconvolution of isotope signals from bundles of multiple hairs. <i>Oecologia</i> , 2014, 175, 781-789.	2.0	29
130	Stable Isotope Ecology in the Omo-Turkana Basin. <i>Evolutionary Anthropology</i> , 2011, 20, 228-237.	3.4	27
131	Reply to comment on the Paleoenvironment of Kenyapithecus at Fort Ternan. <i>Journal of Human Evolution</i> , 1992, 23, 371-377.	2.6	26
132	Diet and Habitat of Siwalik Primates <i>Indopithecus</i> , <i>Sivaladapis</i> and <i>Theropithecus</i> . <i>Annales Zoologici Fennici</i> , 2014, 51, 123-142.	0.6	26
133	Small-mammal isotope ecology tracks climate and vegetation gradients across western North America. <i>Oikos</i> , 2016, 125, 1100-1109.	2.7	24
134	Calcium isotopic ecology of Turkana Basin hominins. <i>Nature Communications</i> , 2020, 11, 3587.	12.8	24
135	Sediment-water interaction in a small stream: Adsorption of ¹³⁷ Cs by bedload sediments (part I of II). <i>Water Resources Research</i> , 1990, 26, 1165-1176.	4.2	24
136	A glacial chronology for the Fish Creek drainage of Boulder Mountain, Utah, USA. <i>Quaternary Research</i> , 2005, 64, 264-271.	1.7	23
137	Forensic Science Applications of Stable Isotope Ratio Analysis. , 0, , 399-422.		23
138	Herbivore enamel carbon isotopic composition and the environmental context of <i>Ardipithecus</i> at Gona, Ethiopia. , 2008, , .		22
139	B-HIVE: Beeswax hydrogen isotopes as validation of environment. Part I: Bulk honey and honeycomb stable isotope analysis. <i>Food Chemistry</i> , 2011, 125, 576-581.	8.2	22
140	Reconstruction of travel history using coupled ¹⁸ O and ⁸⁷ Sr/ ⁸⁶ Sr measurements of hair. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 583-589.	1.5	22
141	Applying the principles of isotope analysis in plant and animal ecology to forensic science in the Americas. <i>Oecologia</i> , 2018, 187, 1077-1094.	2.0	22
142	Carbon isotope ratios of human tooth enamel record the evidence of terrestrial resource consumption during the Jomon period, Japan. <i>American Journal of Physical Anthropology</i> , 2015, 158, 300-311.	2.1	21
143	Environmentally Driven Dietary Adaptations in African Mammals. , 2005, , 258-272.		19
144	Consistent predictable patterns in the hydrogen and oxygen stable isotope ratios of animal proteins consumed by modern humans in the USA. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3713-3722.	1.5	19

#	ARTICLE	IF	CITATIONS
145	Comparative isotope ecology of western Amazonian rainforest mammals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26263-26272.	7.1	19
146	Miocene/Pliocene shift: one step or several?. Nature, 1998, 393, 127-127.	27.8	18
147	Evaluating the use of strontium isotopes in tree rings to record the isotopic signal of dust deposited on the Wasatch Mountains. Applied Geochemistry, 2014, 50, 53-65.	3.0	18
148	Stable isotopes (carbon, nitrogen, sulfur), diet, and anthropometry in urban Colombian women: Investigating socioeconomic differences. American Journal of Human Biology, 2015, 27, 207-218.	1.6	18
149	Isotope data from amino acids indicate Darwin's ground sloth was not an herbivore. Scientific Reports, 2021, 11, 18944.	3.3	18
150	Isotopic records of climate seasonality in equid teeth. Geochimica Et Cosmochimica Acta, 2019, 260, 329-348.	3.9	17
151	Hippopotamus (<i>H. amphibius</i>) diet change indicates herbaceous plant encroachment following megaherbivore population collapse. Scientific Reports, 2016, 6, 32807.	3.3	15
152	Spatial Considerations of Stable Isotope Analyses in Environmental Forensics. Issues in Environmental Science and Technology, 0, , 36-53.	0.4	15
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