Thure E Cerling

List of Publications by Citations

209 papers	19,338 citations	68 h-index	137 g-index
220 ext. papers	20,997 ext. citations	7 avg, IF	6.65 L-index

#	Paper	IF	Citations
209	Global vegetation change through the Miocene/Pliocene boundary. *Nature*, **1997**, 389, 153-158	50.4	1552
208	C photosynthesis, atmospheric CO, and climate. *Oecologia*, **1997**, 112, 285-299	2.9	1074
207	The stable isotopic composition of modern soil carbonate and its relationship to climate. *Earth and Planetary Science Letters*, **1984**, 71, 229-240	5.3	1056
206	Development of Asian monsoon revealed by marked ecological shift during the latest Miocene in northern Pakistan. *Nature*, **1989**, 342, 163-166	50.4	722
205	Carbon isotope fractionation between diet and bioapatite in ungulate mammals and implications for ecological and paleoecological studies. *Oecologia*, **1999**, 120, 347-363	2.9	698
204	On the isotopic composition of carbon in soil carbon dioxide. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 3403-3405	5.5	549
203	Expansion of C4 ecosystems as an indicator of global ecological change in the late Miocene. *Nature*, **1993**, 361, 344-345	50.4	546
202	Woody cover and hominin environments in the past 6 million years. *Nature*, **2011**, 476, 51-6	50.4	430
201	Carbon isotope fractionation between diet, breath CO2, and bioapatite in different mammals. *Journal of Archaeological Science*, **2005**, 32, 1459-1470	2.9	408
200	Systematic variations in the carbon and oxygen isotopic composition of pedogenic carbonate along elevation transects in the southern Great Basin, United States. *Bulletin of the Geological Society of America*, **1989**, 101, 464-475	3.9	355
199	Stable isotopes as one of nature's ecological recorders. *Trends in Ecology and Evolution*, **2006**, 21, 408-14	10.9	342
198	High-temperature environments of human evolution in East Africa based on bond ordering in paleosol carbonates. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11245-9	11.5	302
197	Expansion of C4 grasses in the Late Miocene of Northern Pakistan: evidence from stable isotopes in paleosols. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1995**, 115, 91-116	2.9	300
196	A stable isotope aridity index for terrestrial environments. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 11201-5	11.5	291
195	DIETS OF EAST AFRICAN BOVIDAE BASED ON STABLE ISOTOPE ANALYSIS. *Journal of Mammalogy*, **2003**, 84, 456-470	1.8	286
194	Hydrogen and oxygen isotope ratios in human hair are related to geography. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 2788-93	11.5	275
193	A model of fossil tooth and bone diagenesis: implications for paleodiet reconstruction from stable isotopes. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1994**, 107, 281-289	2.9	267

192	Stable isotope ecology in the Ituri Forest. *Oecologia*, **2004**, 138, 5-12	2.9	228
191	Browsing and grazing in elephants: the isotope record of modern and fossil proboscideans. *Oecologia*, **1999**, 120, 364-374	2.9	227
190	Diet of Paranthropus boisei in the early Pleistocene of East Africa. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9337-41	11.5	221
189	Tooth enamel mineralization in ungulates: implications for recovering a primary isotopic time-series. *Geochimica Et Cosmochimica Acta*, **2002**, 66, 3225-3234	5.5	221
188	An Isotopic Study of Paleosol Carbonates from Olduvai Gorge. *Quaternary Research*, **1986**, 25, 63-78	1.9	220
187	An experimental study of carbon-isotope fractionation between diet, hair, and feces of mammalian herbivores. *Canadian Journal of Zoology*, **2003**, 81, 871-876	1.5	214
186	Ancient diets, ecology, and extinction of 5-million-year-Old horses from florida. *Science*, **1999**, 283, 824-7	33.3	183
185	Turnover of oxygen and hydrogen isotopes in the body water, CO2, hair, and enamel of a small mammal. *Geochimica Et Cosmochimica Acta*, **2008**, 72, 19-35	5.5	181
184	Stable isotope ratios of tap water in the contiguous United States. *Water Resources Research*, **2007**, 43,	5.4	172
183	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, 371-3	11.5	170
182	Isotopic evidence for dietary variability in the early hominin Paranthropus robustus. *Science*, **2006**, 314, 980-2	33.3	163
181	Environmental Change in the Great Plains: An Isotopic Record from Fossil Horses. *Journal of Geology*, **2002**, 110, 123-140	2	155
180	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, 11467-72	11.5	152
179	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	1.7	152
178	A 16-Ma record of paleodiet using carbon and oxygen isotopes in fossil teeth from Pakistan. *Chemical Geology*, **1992**, 94, 183-192	4.2	152
177	The annual carbon dioxide cycle in a montane soil: Observations, modeling, and implications for weathering. *Water Resources Research*, **1987**, 23, 2257-2265	5.4	152
176	Stable isotope-based diet reconstructions of Turkana Basin hominins. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10501-6	11.5	148
175	Stable Carbon and Oxygen Isotopes in Soil Carbonates. *Geophysical Monograph Series*, **2013**, 217-231	1.1	141

174	Fossil horses and carbon isotopes: new evidence for Cenozoic dietary, habitat, and ecosystem changes in North America. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1994**, 107, 269-279	2.9	141
173	An isotopic study of a fluvial-lacustrine sequence: The Plio-Pleistocene koobi fora sequence, East Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1988**, 63, 335-356	2.9	139
172	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	5.3	138
171	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, 12145-9	11.5	138
170	Use of carbon isotopes in paleosols as an indicator of the P(CO2) of the paleoatmosphere. *Global Biogeochemical Cycles*, **1992**, 6, 307-314	5.9	138
169	Determining biological tissue turnover using stable isotopes: the reaction progress variable. *Oecologia*, **2007**, 151, 175-89	2.9	136
168	Timing of C4 grass expansion across sub-Saharan Africa. *Journal of Human Evolution*, **2007**, 53, 549-59	3.1	134
167	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, 6509-14	11.5	131
166	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, 635-50	3.1	130
165	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	2.9	129
164	Treatment methods for the determination of delta2H and delta18O of hair keratin by continuous-flow isotope-ratio mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 2371-8	2.2	129
163	Paleosol carbonates from the Omo Group: Isotopic records of local and regional environmental change in East Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2011**, 307, 75-89	2.9	124
162	Isotopic composition of waters from Ethiopia and Kenya: Insights into moisture sources for eastern Africa. *Journal of Geophysical Research*, **2009**, 114,		119
161	Lothagam: a record of faunal change in the late Miocene of East Africa. *Journal of Vertebrate Paleontology*, **1996**, 16, 556-570	1.7	116
160	Stable carbon and oxygen isotope analysis of fossil tooth enamel using laser ablation. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1996**, 126, 173-186	2.9	110
159	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	2.5	109
158	Cosmogenic 3He production rates from 39°N to 46°N latitude, western USA and France. *Geochimica Et Cosmochimica Acta*, **1994**, 58, 249-255	5.5	104
157	Hydrogeochemistry of Lake Turkana, Kenya: Mass balance and mineral reactions in an alkaline lake. *Geochimica Et Cosmochimica Acta*, **1983**, 47, 1099-1109	5.5	103

156	Stable isotopic evidence from paleosol carbonates and fossil teeth in Greece for forest or woodlands over the past 11 Ma. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1994**, 108, 41-53	2.9	95
155	Comment on the paleoenvironment of Ardipithecus ramidus. *Science*, **2010**, 328, 1105; author reply 1105	33.3	89
154	History of Animals using Isotope Records (HAIR): a 6-year dietary history of one family of African elephants. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 8093-100	11.5	89
153	Stable hydrogen and oxygen isotope ratios of bottled waters of the world. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 3442-50	2.2	87
152	Paleodietary reconstruction of Miocene faunas from Paşalar, Turkey using stable carbon and oxygen isotopes of fossil tooth enamel. *Journal of Human Evolution*, **1995**, 28, 373-384	3.1	87
151	Stable isotopes in fossil hominin tooth enamel suggest a fundamental dietary shift in the Pliocene. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3389-96	5.8	84
150	South American fossil mammals and carbon isotopes: a 25 million-year sequence from the Bolivian Andes. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1994**, 107, 257-268	2.9	84
149	Aridity and hominin environments. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7331-7336	11.5	82
148	Paleochemistry of plio-pleistocene lake Turkana, Kenya. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1979**, 27, 247-285	2.9	82
147	Carbon starvation in glacial trees recovered from the La Brea tar pits, southern California. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 690-4	11.5	81
146	Extinction implications of a chenopod browse diet for a giant Pleistocene kangaroo. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 11646-50	11.5	80
145	Cenozoic Terrestrial Ecosystem Evolution in Argentina: Evidence from Carbon Isotopes of Fossil Mammal Teeth. *Palaios*, **1996**, 11, 319	1.6	80
144	Using Isoscapes to Track Animal Migration **2010**, 273-298		73
143	Ancient latitudinal gradients of C3/C4 grasses interpreted from stable isotopes of New World Pleistocene horse (Equus) teeth. *Global Ecology and Biogeography*, **1999**, 8, 137-149	6.1	73
142	Spatial distributions of carbon, nitrogen and sulfur isotope ratios in human hair across the central United States. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 861-8	2.2	70
141	12. Stable Isotope Compositions of Biological Apatite **2002**, 455-488		67
140	Low-temperature alteration of volcanic glass: Hydration, Na, K, 18O and Ar mobility. *Chemical Geology: Isotope Geoscience Section*, **1985**, 52, 281-293		67
139	Hydrogen and oxygen stable isotope ratios of milk in the United States. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 2358-63	5.7	65

138	Inverse methods for estimating primary input signals from time-averaged isotope profiles. *Geochimica Et Cosmochimica Acta*, **2005**, 69, 4101-4116	5.5	62
137	Geography and vintage predicted by a novel GIS model of wine delta18O. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 7075-83	5.7	61
136	Cosmogenic neon in recent lavas from the western United States. *Geophysical Research Letters*, **1992**, 19, 1863-1866	4.9	61
135	Dietary heterogeneity among Western industrialized countries reflected in the stable isotope ratios of human hair. *PLoS ONE*, **2012**, 7, e34234	3.7	60
134	Diet of Theropithecus from 4 to 1 Ma in Kenya. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10507-12	11.5	58
133	Atmospheric CO2 as a Global Change Driver Influencing Plant-Animal Interactions. *Integrative and Comparative Biology*, **2002**, 42, 424-30	2.8	58
132	In situ stable isotope analysis (δ13C, δ18O) of very small teeth using laser ablation GC/IRMS. *Chemical Geology*, **2006**, 235, 238-249	4.2	55
131	Digestion and passage rates of grass hays by llamas, alpacas, goats, rabbits, and horses. *Small Ruminant Research*, **2003**, 48, 149-154	1.7	55
130	Bomb-curve radiocarbon measurement of recent biologic tissues and applications to wildlife forensics and stable isotope (paleo)ecology. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11736-41	11.5	54
129	Evaluating uncertainty in the calculation of non-exchangeable hydrogen fractions within organic materials. *Rapid Communications in Mass Spectrometry*, **2009**, 23, 1275-80	2.2	54
128	Paleorecords of C4 Plants and Ecosystems **1999**, 445-469		54
127	Variation of hydrogen, carbon, nitrogen, and oxygen stable isotope ratios in an American diet: fast food meals. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 4084-91	5.7	52
126	Strontium isotopes delineate fine-scale natal origins and migration histories of Pacific salmon. *Science Advances*, **2015**, 1, e1400124	14.3	51
125	Small mammal carbon isotope ecology across the Miocene–Pliocene boundary, northwestern Argentina. *Earth and Planetary Science Letters*, **2012**, 321-322, 177-188	5.3	51
124	Formation of freshwater Fe-Mn coatings on gravel and the behavior of 60Co, 90Sr, and 137Cs in a small watershed. *Geochimica Et Cosmochimica Acta*, **1982**, 46, 1333-1343	5.5	51
123	Stable isotope time-series in mammalian teeth: In situ δ18O from the innermost enamel layer. *Geochimica Et Cosmochimica Acta*, **2014**, 124, 223-236	5.5	49
122	Environments and trypanosomiasis risks for early herders in the later Holocene of the Lake Victoria basin, Kenya. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3674-9	11.5	48
121	Orphans' tales: seasonal dietary changes in elephants from Tsavo National Park, Kenya. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2004**, 206, 367-376	2.9	48

120	Isotopic ordering in eggshells reflects body temperatures and suggests differing thermophysiology in two Cretaceous dinosaurs. *Nature Communications*, **2015**, 6, 8296	17.4	47
119	Temperature dependence of oxygen isotope acid fractionation for modern and fossil tooth enamels. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2853-9	2.2	47
118	Displacement rates on the Toroweap and Hurricane faults: Implications for Quaternary downcutting in the Grand Canyon, Arizona. *Geology*, **2001**, 29, 1035	5	44
117	Climate, CO2, and the history of North American grasses since the Last Glacial Maximum. *Science Advances*, **2016**, 2, e1501346	14.3	43
116	Radiocarbon dating of seized ivory confirms rapid decline in African elephant populations and provides insight into illegal trade. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 13330-13335	11.5	42
115	Detecting intraannual dietary variability in wild mountain gorillas by stable isotope analysis of feces. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 21277-82	11.5	41
114	Using carbon isotopes to track dietary change in modern, historical, and ancient primates. *American Journal of Physical Anthropology*, **2009**, 140, 661-70	2.5	41
113	A Framework for the Incorporation of Isotopes and Isoscapes in Geospatial Forensic Investigations **2010**, 357-387		39
112	Forensic Stable Isotope Biogeochemistry. *Annual Review of Earth and Planetary Sciences*, **2016**, 44, 175-206	15.3	39
111	Opinion: Why we need a centralized repository for isotopic data. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 2997-3001	11.5	37
110	Paleorifting between the Gregory and Ethiopian Rifts. *Geology*, **1977**, 5, 441	5	37
109	Cooperation and individuality among man-eating lions. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 19040-3	11.5	36
108	Comparison of a paleosol-carbonate isotope record to other records of Pliocene-early Pleistocene climate in the western United States. *Geology*, **1993**, 21, 691	5	36
107	Strontium isotope variation and carbonate versus silicate weathering in rivers from across Alaska: Implications for provenance studies. *Chemical Geology*, **2014**, 389, 167-181	4.2	35
106	Links between purchase location and stable isotope ratios of bottled water, soda, and beer in the United States. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 7311-6	5.7	35
105	A mass-balance approach to basin sedimentation: Constraints on the recent history of the Turkana basin. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1986**, 54, 63-86	2.9	35
104	Aberrant water homeostasis detected by stable isotope analysis. *PLoS ONE*, **2010**, 5, e11699	3.7	33
103	Establishing chronologies from isotopic profiles in serially collected animal tissues: An example using tail hairs from African elephants. *Chemical Geology*, **2009**, 267, 3-11	4.2	33

102	A New Tooth Wear-Based Dietary Analysis Method for Proboscidea (Mammalia). *Journal of Vertebrate Paleontology*, **2015**, 35, e918546	1.7	32
101	Seasonal diet changes of the forest hog (Hylochoerus meinertzhageni Thomas) based on the carbon isotopic composition of hair. *African Journal of Ecology*, **2004**, 42, 88-92	0.8	32
100	Cosmogenic 3He and 21Ne age of the Big Lost River flood, Snake River Plain, Idaho. *Geology*, **1994**, 22, 227	5	32
99	Strontium isotopes in otoliths of a non-migratory fish (slimy sculpin): Implications for provenance studies. *Geochimica Et Cosmochimica Acta*, **2015**, 149, 32-45	5.5	31
98	Mars chronology: assessing techniques for quantifying surficial processes. *Earth-Science Reviews*, **2004**, 67, 313-337	10.2	31
97	Fossil mice and rats show isotopic evidence of niche partitioning and change in dental ecomorphology related to dietary shift in Late Miocene of Pakistan. *PLoS ONE*, **2013**, 8, e69308	3.7	30
96	δ2H and δ18O of human body water: a GIS model to distinguish residents from non-residents in the contiguous USA. *Isotopes in Environmental and Health Studies*, **2012**, 48, 259-79	1.5	29
95	Cosmogenic ages and frequency of late Holocene debris flows from Prospect Canyon, Grand Canyon, USA. *Geomorphology*, **1999**, 27, 93-111	4.3	29
94	Hydrogen and oxygen isotope ratios in body water and hair: modeling isotope dynamics in nonhuman primates. *American Journal of Primatology*, **2012**, 74, 651-60	2.5	28
93	Worldwide stable carbon and nitrogen isotopes of Big Mac® patties: An example of a truly "glocal" food. *Food Chemistry*, **2011**, 127, 1712-1718	8.5	28
92	12.2. Isotope Paleoecology of the Nawata and Nachukui Formations at Lothagam, Turkana Basin, Kenya **2003**, 605-624		28
91	Stable isotopic variation in tropical forest plants for applications in primatology. *American Journal of Primatology*, **2016**, 78, 1041-54	2.5	28
90	Climate, ecology, and the spread of herding in eastern Africa. *Quaternary Science Reviews*, **2019**, 204, 119-132	3.9	28
89	Diets of Kenyan elephants from stable isotopes and the origin of confiscated ivory in Kenya. *African Journal of Ecology*, **2007**, 45, 614-623	0.8	27
88	Peak discharge of a Pleistocene lava-dam outburst flood in Grand Canyon, Arizona, USA. *Quaternary Research*, **2006**, 65, 324-335	1.9	27
87	Cosmogenic 3He exposure ages of Pleistocene debris flows and desert pavements in Capitol Reef National Park, Utah. *Geomorphology*, **2005**, 67, 423-435	4.3	27
86	Pliocene and Pleistocene geologic and climatic evolution in the San Luis Valley of south-central Colorado. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1992**, 94, 55-86	2.9	27
85	Increased age estimate for the Lower Palaeolithic hominid site at Olorgesailie, Kenya. *Nature*, **1987**, 329, 237-239	50.4	26

84	Isotopic consequences of consumer food choice: Hydrogen and oxygen stable isotope ratios in foods from fast food restaurants versus supermarkets. *Food Chemistry*, **2010**, 119, 1250-1256	8.5	25
83	Reply to comment on the Paleoenvironment of Kenyapithecus at Fort Ternan. *Journal of Human Evolution*, **1992**, 23, 371-377	3.1	25
82	Deconvolution of isotope signals from bundles of multiple hairs. *Oecologia*, **2014**, 175, 781-9	2.9	24
81	Stable isotope ecology in the Omo-Turkana Basin. *Evolutionary Anthropology*, **2011**, 20, 228-37	4.7	23
80	Calcium isotopic patterns in enamel reflect different nursing behaviors among South African early hominins. *Science Advances*, **2019**, 5, eaax3250	14.3	22
79	Sediment-water interaction in a small stream: Adsorption of 137 Cs by bedload sediments (part I of II). *Water Resources Research*, **1990**, 26, 1165-1176	5.4	21
78	Reconstruction of travel history using coupled D and Sr/ Sr measurements of hair. *Rapid Communications in Mass Spectrometry*, **2017**, 31, 583-589	2.2	19
77	Diet and Habitat of Siwalik PrimatesIndopithecus, SivaladapisandTheropithecus. *Annales Zoologici Fennici*, **2014**, 51, 123-142	0.9	19
76	B-HIVE: Beeswax hydrogen isotopes as validation of environment. Part I: Bulk honey and honeycomb stable isotope analysis. *Food Chemistry*, **2011**, 125, 576-581	8.5	19
75	A glacial chronology for the Fish Creek drainage of Boulder Mountain, Utah, USA. *Quaternary Research*, **2005**, 64, 264-271	1.9	19
74	Causes and Consequences of Pleistocene Megafaunal Extinctions as Revealed from Rancho La Brea Mammals. *Current Biology*, **2019**, 29, 2488-2495.e2	6.3	18
73	Forensic Science Applications of Stable Isotope Ratio Analysis399-422		17
72	Small-mammal isotope ecology tracks climate and vegetation gradients across western North America. *Oikos*, **2016**, 125, 1100-1109	4	16
71	Consistent predictable patterns in the hydrogen and oxygen stable isotope ratios of animal proteins consumed by modern humans in the USA. *Rapid Communications in Mass Spectrometry*, **2011**, 25, 3713-22	2.2	16
70	Applying the principles of isotope analysis in plant and animal ecology to forensic science in the Americas. *Oecologia*, **2018**, 187, 1077-1094	2.9	15
69	Stable isotopes (carbon, nitrogen, sulfur), diet, and anthropometry in urban Colombian women: investigating socioeconomic differences. *American Journal of Human Biology*, **2015**, 27, 207-18	2.7	14
68	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	3.5	14
67	Response to the comment by M. J. Kohn on Tooth Enamel Mineralization in Ungulates: Implications for Recovering a Primary Isotopic Time-Series, by B. H. Passey and T. E. Cerling (2002). *Geochimica Et Cosmochimica Acta*, **2004**, 68, 407-409	5.5	14

66	Environmentally Driven Dietary Adaptations in African Mammals **2005**, 258-272		14
65	Carbon isotope ratios of human tooth enamel record the evidence of terrestrial resource consumption during the Jomon period, Japan. *American Journal of Physical Anthropology*, **2015**, 158, 300-311	2.5	13
64	Miocene/Pliocene shift: one step or several?. *Nature*, **1998**, 393, 127-127	50.4	13
63	Herbivore enamel carbon isotopic composition and the environmental context of Ardipithecus at Gona, Ethiopia **2008**,		13
62	Spatial Considerations of Stable Isotope Analyses in Environmental Forensics. *Issues in Environmental Science and Technology*,36-53	0.7	13
61	Isotopic records of climate seasonality in equid teeth. *Geochimica Et Cosmochimica Acta*, **2019**, 260, 329-348	3.9	11
60	On the Environment of Aramis. *Current Anthropology*, **2014**, 55, 469-470	2.1	11
59	Timing of glaciation and last glacial maximum paleoclimate estimates from the Fish Lake Plateau, Utah. *Quaternary Research*, **2011**, 75, 183-195	1.9	11
58	12.1. Stable Isotope Ecology of Northern Kenya, with Emphasis on the Turkana Basin **2003**, 583-604		11
57	Calcium isotopic ecology of Turkana Basin hominins. *Nature Communications*, **2020**, 11, 3587	17.4	11
56	Cosmogenic 3He exposure ages of basalt flows in the northwestern Payún Matru volcanic field, Mendoza Province, Argentina. *Quaternary Geochronology*, **2014**, 19, 67-75	2.7	10
55	Exploring the Potential of Laser Ablation Carbon Isotope Analysis for Examining Ecology during the Ontogeny of Middle Pleistocene Hominins from Sima de los Huesos (Northern Spain). *PLoS ONE*, **2015**, 10, e0142895	3.7	10
54	Ages and significance of glacial and mass movement deposits on the west side of Boulder Mountain, Utah, USA. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2007**, 252, 503-513	2.9	10
53	Does the gas content of amber reveal the composition of palaeoatmospheres?. *Nature*, **1989**, 339, 695-696	50.4	10
52	Stable Carbon and Oxygen Isotopes in East African Mammals: Modern and Fossil **2010**, 941-952		9
51	B-HIVE: Beeswax hydrogen isotopes as validation of environment, part II. Compound-specific hydrogen isotope analysis. *Food Chemistry*, **2012**, 134, 494-501	8.5	8
50	Accuracy and precision of a laser-spectroscopy approach to the analysis of □H and □□ in human urine. *Isotopes in Environmental and Health Studies*, **2010**, 46, 476-83	1.5	8
49	Photosynthetic Pathways and Climate **2001**, 267-277		8

48	Use of oxygen isotope ratios in correlation of tuffs, East Rudolf Basin, northern Kenya. *Earth and Planetary Science Letters*, **1975**, 25, 291-296	5.3	8
47	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	11.5	8
46	Forward and inverse methods for extracting climate and diet information from stable isotope profiles in proboscidean molars. *Quaternary International*, **2020**, 557, 92-109	2	8
45	Diets of mammalian fossil fauna from Kanapoi, northwestern Kenya. *Journal of Human Evolution*, **2020**, 140, 102338	3.1	8
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