

Thure E Cerling

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|---------------|-----------------|
| 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 | Isotope data from amino acids indicate Darwin's ground sloth was not an herbivore. <i>Scientific Reports</i> , 2021 , 11, 18944 | 4.9 | 1 |
| 208 | CH ₄ /CO ₂ Ratios and Carbon Isotope Enrichment Between Diet and Breath in Herbivorous Mammals. <i>Frontiers in Ecology and Evolution</i> , 2021 , 9, | 3.7 | 4 |
| 207 | Fast exchange of strontium between hair and ambient water: Implication for isotopic analysis in provenance and forensic studies. <i>PLoS ONE</i> , 2020 , 15, e0233712 | 3.7 | 7 |
| 206 | Reply to Van Valkenburgh et al. <i>Current Biology</i> , 2020 , 30, R151-R152 | 6.3 | 2 |
| 205 | Spatial distribution of stable isotope values of human hair 2020 , 385-410 | | 3 |
| 204 | The isotopic geochemistry of CaCO ₃ encrustations in Taylor Valley, Antarctica: Implications for their origin. <i>Acta Geographica Slovenica</i> , 2020 , 60, 125-139 | 1.1 | 5 |
| 203 | Cosmogenic ³ He exposure ages of basaltic flows from Miller Knoll, Panguitch Lake, Utah: Using the alternative isochron approach to overcome low-gas crushes. <i>Quaternary Geochronology</i> , 2020 , 55, 101035 | 2.7 | 1 |
| 202 | Comparative isotope ecology of western Amazonian rainforest mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 26263-26272 | 11.5 | 8 |
| 201 | Calcium isotopic ecology of Turkana Basin hominins. <i>Nature Communications</i> , 2020 , 11, 3587 | 17.4 | 11 |
| 200 | High-resolution stable isotope profiles of modern elephant (<i>Loxodonta africana</i>) tusk dentin and tail hair from Kenya: Implications for identifying seasonal variability in climate, ecology, and diet in ancient proboscideans. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 559, 109962 | 2.9 | 7 |
| 199 | Intra-tooth stable isotope profiles in warthog canines and third molars: Implications for paleoenvironmental reconstructions. <i>Chemical Geology</i> , 2020 , 554, 119799 | 4.2 | 4 |
| 198 | Stable isotopes in hair reveal dietary protein sources with links to socioeconomic status and health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20044-20051 | 11.5 | 7 |
| 197 | Forward and inverse methods for extracting climate and diet information from stable isotope profiles in proboscidean molars. <i>Quaternary International</i> , 2020 , 557, 92-109 | 2 | 8 |
| 196 | Diets of mammalian fossil fauna from Kanapoi, northwestern Kenya. <i>Journal of Human Evolution</i> , 2020 , 140, 102338 | 3.1 | 8 |
| 195 | Late Middle Pleistocene Elephants from Natodomeri, Kenya and the Disappearance of <i>Elephas</i> (Proboscidea, Mammalia) in Africa. <i>Journal of Mammalian Evolution</i> , 2020 , 27, 483-495 | 2.2 | 4 |
| 194 | Calcium isotopic patterns in enamel reflect different nursing behaviors among South African early hominins. <i>Science Advances</i> , 2019 , 5, eaax3250 | 14.3 | 22 |
| 193 | Trace element concentrations in horn: Endogenous levels in keratin and susceptibility to exogenous contamination. <i>Chemosphere</i> , 2019 , 237, 124443 | 8.4 | 2 |

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| 192 | Source Identification of Particulate Metals/Metalloids Deposited in the San Juan River Delta of Lake Powell, USA. <i>Water, Air, and Soil Pollution</i> , 2019 , 230, 1 | 2.6 | 1 |
| 191 | Isotopes in teeth and a cryptic population of coastal freshwater seals. <i>Conservation Biology</i> , 2019 , 33, 1415-1425 | 6 | 0 |
| 190 | Causes and Consequences of Pleistocene Megafaunal Extinctions as Revealed from Rancho La Brea Mammals. <i>Current Biology</i> , 2019 , 29, 2488-2495.e2 | 6.3 | 18 |
| 189 | Isotopic records of climate seasonality in equid teeth. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 260, 329-348 | 3.9 | 11 |
| 188 | Climate, ecology, and the spread of herding in eastern Africa. <i>Quaternary Science Reviews</i> , 2019 , 204, 119-132 | 3.9 | 28 |
| 187 | Diet and evaporation sensitivity in African ungulates: A comment on Faith (2018). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018 , 506, 250-251 | 2.9 | 3 |
| 186 | Stable isotope ecology of black rhinos (<i>Diceros bicornis</i>) in Kenya. <i>Oecologia</i> , 2018 , 187, 1095-1105 | 2.9 | 4 |
| 185 | Longitudinal and transverse variation of trace element concentrations in elephant and giraffe hair: implication for endogenous and exogenous contributions. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 644 | 3.1 | 8 |
| 184 | Applying the principles of isotope analysis in plant and animal ecology to forensic science in the Americas. <i>Oecologia</i> , 2018 , 187, 1077-1094 | 2.9 | 15 |
| 183 | Reconstruction of travel history using coupled δD and Sr/Sr measurements of hair. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 583-589 | 2.2 | 19 |
| 182 | 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 | 11.5 | 37 |
| 181 | Rowleyite, $[Na(NH_4,K)9Cl_4][V_{25+},4+(P,As)O_8]6?n[H_2O,Na,NH_4,K,Cl]$, a new mineral with a microporous framework structure. <i>American Mineralogist</i> , 2017 , | 2.9 | 1 |
| 180 | Aridity and hominin environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7331-7336 | 11.5 | 82 |
| 179 | Francis H. Brown (1943-2017). <i>Evolutionary Anthropology</i> , 2017 , 26, 245-248 | 4.7 | 1 |
| 178 | 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 | 11.5 | 42 |
| 177 | Hippopotamus (<i>H. amphibius</i>) diet change indicates herbaceous plant encroachment following megaherbivore population collapse. <i>Scientific Reports</i> , 2016 , 6, 32807 | 4.9 | 7 |
| 176 | Climate, CO ₂ , and the history of North American grasses since the Last Glacial Maximum. <i>Science Advances</i> , 2016 , 2, e1501346 | 14.3 | 43 |
| 175 | Small-mammal isotope ecology tracks climate and vegetation gradients across western North America. <i>Oikos</i> , 2016 , 125, 1100-1109 | 4 | 16 |

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| 174 | Stable isotopic variation in tropical forest plants for applications in primatology. <i>American Journal of Primatology</i> , 2016 , 78, 1041-54 | 2.5 | 28 |
| 173 | Forensic Stable Isotope Biogeochemistry. <i>Annual Review of Earth and Planetary Sciences</i> , 2016 , 44, 175-206 | 5.3 | 39 |
| 172 | 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, 3674-9 | 11.5 | 48 |
| 171 | Strontium isotopes delineate fine-scale natal origins and migration histories of Pacific salmon. <i>Science Advances</i> , 2015 , 1, e1400124 | 14.3 | 51 |
| 170 | A New Tooth WearBased Dietary Analysis Method for Proboscidea (Mammalia). <i>Journal of Vertebrate Paleontology</i> , 2015 , 35, e918546 | 1.7 | 32 |
| 169 | On the Environment of Aramis. <i>Current Anthropology</i> , 2015 , 56, 445-446 | 2.1 | 2 |
| 168 | Dietary changes of large herbivores in the Turkana Basin, Kenya from 4 to 1 Ma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11467-72 | 11.5 | 152 |
| 167 | Isotopic ordering in eggshells reflects body temperatures and suggests differing thermophysiology in two Cretaceous dinosaurs. <i>Nature Communications</i> , 2015 , 6, 8296 | 17.4 | 47 |
| 166 | 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 | 5.5 | 31 |
| 165 | Stable isotopes (carbon, nitrogen, sulfur), diet, and anthropometry in urban Colombian women: investigating socioeconomic differences. <i>American Journal of Human Biology</i> , 2015 , 27, 207-18 | 2.7 | 14 |
| 164 | The potential for application of ink stable isotope analysis in questioned document examination. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 27-33 | 2 | 6 |
| 163 | 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 | 2.5 | 13 |
| 162 | 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). <i>PLoS ONE</i> , 2015 , 10, e0142895 | 3.7 | 10 |
| 161 | Stable isotope time-series in mammalian teeth: In situ $\delta^{18}\text{O}$ from the innermost enamel layer. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 124, 223-236 | 5.5 | 49 |
| 160 | Cosmogenic ^3He exposure ages of basalt flows in the northwestern Payún Matru volcanic field, Mendoza Province, Argentina. <i>Quaternary Geochronology</i> , 2014 , 19, 67-75 | 2.7 | 10 |
| 159 | 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 | 0.9 | 19 |
| 158 | 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 | 4.2 | 35 |
| 157 | Deconvolution of isotope signals from bundles of multiple hairs. <i>Oecologia</i> , 2014 , 175, 781-9 | 2.9 | 24 |

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| 156 | Evaluating the use of strontium isotopes in tree rings to record the isotopic signal of dust deposited on the Wasatch Mountains. <i>Applied Geochemistry</i> , 2014 , 50, 53-65 | 3.5 | 14 |
| 155 | The Hair-Diet ¹³ C and ¹⁵ N Fractionation in <i>Chlorocebus aethiops sabaeus</i> Based on a Control Diet Study. <i>Annales Zoologici Fennici</i> , 2014 , 51, 66-72 | 0.9 | 7 |
| 154 | Neogene Grasslands of the Indian Subcontinent: Dynamics of the Transition from C3 to C4 Ecosystems. <i>The Paleontological Society Special Publications</i> , 2014 , 13, 112-112 | | |
| 153 | On the Environment of Aramis. <i>Current Anthropology</i> , 2014 , 55, 469-470 | 2.1 | 11 |
| 152 | Stable Carbon and Oxygen Isotopes in Soil Carbonates. <i>Geophysical Monograph Series</i> , 2013 , 217-231 | 1.1 | 141 |
| 151 | Stable isotope-based diet reconstructions of Turkana Basin hominins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10501-6 | 11.5 | 148 |
| 150 | Cosmogenic ³ He Ages and Geochemical Discrimination of Lava-Dam Outburst-Flood Deposits in Western Grand Canyon, Arizona. <i>Water Science and Application</i> , 2013 , 191-215 | | 2 |
| 149 | Diet of <i>Theropithecus</i> from 4 to 1 Ma in Kenya. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10507-12 | 11.5 | 58 |
| 148 | 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, 11736-41 | 11.5 | 54 |
| 147 | Reply to Fontes-Villalba et al.: On a reluctance to conjecture about animal food consumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E4056 | 11.5 | 2 |
| 146 | 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 | 3.7 | 30 |
| 145 | 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, 21277-82 | 11.5 | 41 |
| 144 | B-HIVE: Beeswax hydrogen isotopes as validation of environment, part II. Compound-specific hydrogen isotope analysis. <i>Food Chemistry</i> , 2012 , 134, 494-501 | 8.5 | 8 |
| 143 | Small mammal carbon isotope ecology across the Miocene-Pliocene boundary, northwestern Argentina. <i>Earth and Planetary Science Letters</i> , 2012 , 321-322, 177-188 | 5.3 | 51 |
| 142 | Light-Element Isotopes (H, C, N, and O) as Tracers of Human Diet: A Case Study on Fast Food Meals. <i>Advances in Isotope Geochemistry</i> , 2012 , 707-723 | 1.2 | 3 |
| 141 | Dietary heterogeneity among Western industrialized countries reflected in the stable isotope ratios of human hair. <i>PLoS ONE</i> , 2012 , 7, e34234 | 3.7 | 60 |
| 140 | Hydrogen and oxygen isotope ratios in body water and hair: modeling isotope dynamics in nonhuman primates. <i>American Journal of Primatology</i> , 2012 , 74, 651-60 | 2.5 | 28 |
| 139 | δH and δ 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, 259-79 | 1.5 | 29 |

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| 138 | Diet of <i>Paranthropus boisei</i> in the early Pleistocene of East Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 9337-41 | 11.5 | 221 |
| 137 | Paleosol carbonates from the Omo Group: Isotopic records of local and regional environmental change in East Africa. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 307, 75-89 | 2.9 | 124 |
| 136 | Timing of glaciation and last glacial maximum paleoclimate estimates from the Fish Lake Plateau, Utah. <i>Quaternary Research</i> , 2011 , 75, 183-195 | 1.9 | 11 |
| 135 | Late Miocene to Pliocene carbon isotope record of differential diet change among East African herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6509-14 | 11.5 | 131 |
| 134 | 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, 861-8 | 2.2 | 70 |
| 133 | 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, 3713-22 | 2.2 | 16 |
| 132 | Stable isotope ecology in the Omo-Turkana Basin. <i>Evolutionary Anthropology</i> , 2011 , 20, 228-37 | 4.7 | 23 |
| 131 | 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 | 8.5 | 19 |
| 130 | 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 | 8.5 | 28 |
| 129 | Woody cover and hominin environments in the past 6 million years. <i>Nature</i> , 2011 , 476, 51-6 | 50.4 | 430 |
| 128 | Aberrant water homeostasis detected by stable isotope analysis. <i>PLoS ONE</i> , 2010 , 5, e11699 | 3.7 | 33 |
| 127 | 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, 11245-9 | 11.5 | 302 |
| 126 | Comment on the paleoenvironment of <i>Ardipithecus ramidus</i> . <i>Science</i> , 2010 , 328, 1105; author reply 1105 | 33.3 | 89 |
| 125 | A Framework for the Incorporation of Isotopes and Isoscapes in Geospatial Forensic Investigations | | 39 |
| 124 | Accuracy and precision of a laser-spectroscopy approach to the analysis of ² H and ¹⁸ O in human urine. <i>Isotopes in Environmental and Health Studies</i> , 2010 , 46, 476-83 | 1.5 | 8 |
| 123 | Composition, pre-eruptive zonation, and geochronologic significance of the ~450ka Diamante Tuff, Andean Cordillera (34°S), Argentina. <i>Quaternary Geochronology</i> , 2010 , 5, 591-601 | 2.7 | 3 |
| 122 | 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, 7311-6 | 5.7 | 35 |
| 121 | Hydrogen and oxygen stable isotope ratios of milk in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 2358-63 | 5.7 | 65 |

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| 120 | 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, 3389-96 | 5.8 | 84 |
| 119 | Using Isoscapes to Track Animal Migration 2010 , 273-298 | | 73 |
| 118 | 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 | 8.5 | 25 |
| 117 | Stable Carbon and Oxygen Isotopes in East African Mammals: Modern and Fossil 2010 , 941-952 | | 9 |
| 116 | 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, 8093-100 | 11.5 | 89 |
| 115 | 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, 11646-50 | 11.5 | 80 |
| 114 | American fast food isn't all corn-based. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, E8; author reply E9 | 11.5 | 7 |
| 113 | Cooperation and individuality among man-eating lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19040-3 | 11.5 | 36 |
| 112 | Dietary and physiological controls on the hydrogen and oxygen isotope ratios of hair from mid-20th century indigenous populations. <i>American Journal of Physical Anthropology</i> , 2009 , 139, 494-504 | 2.5 | 109 |
| 111 | Using carbon isotopes to track dietary change in modern, historical, and ancient primates. <i>American Journal of Physical Anthropology</i> , 2009 , 140, 661-70 | 2.5 | 41 |
| 110 | Evaluating uncertainty in the calculation of non-exchangeable hydrogen fractions within organic materials. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1275-80 | 2.2 | 54 |
| 109 | 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. <i>Earth and Planetary Science Letters</i> , 2009 , 277, 443-452 | 5.3 | 138 |
| 108 | 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 | 4.2 | 33 |
| 107 | Isotopic composition of waters from Ethiopia and Kenya: Insights into moisture sources for eastern Africa. <i>Journal of Geophysical Research</i> , 2009 , 114, | | 119 |
| 106 | Turnover of oxygen and hydrogen isotopes in the body water, CO ₂ , hair, and enamel of a small mammal. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 19-35 | 5.5 | 181 |
| 105 | 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, 4084-91 | 5.7 | 52 |
| 104 | Ecological changes in Miocene mammalian record show impact of prolonged climatic forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12145-9 | 11.5 | 138 |
| 103 | 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, 2788-93 | 11.5 | 275 |

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| 102 | Herbivore enamel carbon isotopic composition and the environmental context of <i>Ardipithecus</i> at Gona, Ethiopia 2008 , | | 13 |
| 101 | Stable Isotopes and Human Water Resources: Signals of Change. <i>Journal of Nano Education (Print)</i> , 2007 , 283-300 | | 3 |
| 100 | Geography and vintage predicted by a novel GIS model of wine $\delta^{18}\text{O}$. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7075-83 | 5.7 | 61 |
| 99 | Stable isotope ratios of tap water in the contiguous United States. <i>Water Resources Research</i> , 2007 , 43, | 5.4 | 172 |
| 98 | Temperature dependence of oxygen isotope acid fractionation for modern and fossil tooth enamels. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2853-9 | 2.2 | 47 |
| 97 | 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 | 0.8 | 27 |
| 96 | Timing of C4 grass expansion across sub-Saharan Africa. <i>Journal of Human Evolution</i> , 2007 , 53, 549-59 | 3.1 | 134 |
| 95 | Determining biological tissue turnover using stable isotopes: the reaction progress variable. <i>Oecologia</i> , 2007 , 151, 175-89 | 2.9 | 136 |
| 94 | The Reaction Progress Variable and Isotope Turnover in Biological Systems. <i>Journal of Nano Education (Print)</i> , 2007 , 163-171 | | 1 |
| 93 | Ages and significance of glacial and mass movement deposits on the west side of Boulder Mountain, Utah, USA. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007 , 252, 503-513 | 2.9 | 10 |
| 92 | The Reaction Progress Variable and Isotope Turnover in Biological Systems 2007 , 163-171 | | 4 |
| 91 | Stable Isotopes and Human Water Resources 2007 , 285-V | | 5 |
| 90 | Peak discharge of a Pleistocene lava-dam outburst flood in Grand Canyon, Arizona, USA. <i>Quaternary Research</i> , 2006 , 65, 324-335 | 1.9 | 27 |
| 89 | Stable isotopes in elephant hair document migration patterns and diet changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 371-3 | 11.5 | 170 |
| 88 | Isotopic evidence for dietary variability in the early hominin <i>Paranthropus robustus</i> . <i>Science</i> , 2006 , 314, 980-2 | 33.3 | 163 |
| 87 | 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, 11201-5 | 11.5 | 291 |
| 86 | In situ stable isotope analysis ($\delta^{13}\text{C}$, $\delta^{18}\text{O}$) of very small teeth using laser ablation GC/IRMS. <i>Chemical Geology</i> , 2006 , 235, 238-249 | 4.2 | 55 |
| 85 | Stable isotopes as one of nature's ecological recorders. <i>Trends in Ecology and Evolution</i> , 2006 , 21, 408-14 | 10.9 | 342 |

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| 84 | Dam Fun: A Scale-model Classroom Experiment for Teaching Basic Concepts in Hydrology and Sedimentary Geology. <i>Journal of Geoscience Education</i> , 2006 , 54, 487-490 | 1.8 | 4 |
| 83 | Carbon isotope fractionation between diet, breath CO ₂ , and bioapatite in different mammals. <i>Journal of Archaeological Science</i> , 2005 , 32, 1459-1470 | 2.9 | 408 |
| 82 | Inverse methods for estimating primary input signals from time-averaged isotope profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 4101-4116 | 5.5 | 62 |
| 81 | 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 | 4.3 | 27 |
| 80 | 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, 690-4 | 11.5 | 81 |
| 79 | A glacial chronology for the Fish Creek drainage of Boulder Mountain, Utah, USA. <i>Quaternary Research</i> , 2005 , 64, 264-271 | 1.9 | 19 |
| 78 | Treatment methods for the determination of delta ² H and delta ¹⁸ O of hair keratin by continuous-flow isotope-ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 2371-8 | 2.2 | 129 |
| 77 | Stable hydrogen and oxygen isotope ratios of bottled waters of the world. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3442-50 | 2.2 | 87 |
| 76 | Environmentally Driven Dietary Adaptations in African Mammals 2005 , 258-272 | | 14 |
| 75 | STABLE ISOTOPE RATIOS (δ ¹⁵ N AND δ ¹³ C) OF SYNTOPIC SHREWS (SOREX). <i>Southwestern Naturalist</i> , 2004 , 49, 493-500 | 0.3 | 7 |
| 74 | 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 | 0.8 | 32 |
| 73 | Mars chronology: assessing techniques for quantifying surficial processes. <i>Earth-Science Reviews</i> , 2004 , 67, 313-337 | 10.2 | 31 |
| 72 | Stable isotope ecology in the Ituri Forest. <i>Oecologia</i> , 2004 , 138, 5-12 | 2.9 | 228 |
| 71 | Rancho La Brea stable isotope biogeochemistry and its implications for the palaeoecology of late Pleistocene, coastal southern California. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004 , 205, 199-219 | 2.9 | 129 |
| 70 | 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). <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 407-409 | 5.5 | 14 |
| 69 | Orphans' tales: seasonal dietary changes in elephants from Tsavo National Park, Kenya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004 , 206, 367-376 | 2.9 | 48 |
| 68 | DIETS OF EAST AFRICAN BOVIDAE BASED ON STABLE ISOTOPE ANALYSIS. <i>Journal of Mammalogy</i> , 2003 , 84, 456-470 | 1.8 | 286 |
| 67 | Digestion and passage rates of grass hays by llamas, alpacas, goats, rabbits, and horses. <i>Small Ruminant Research</i> , 2003 , 48, 149-154 | 1.7 | 55 |

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