

Benjamin H Passey

List of Publications by Year in descending order

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77
papers

7,550
citations

66343

42
h-index

76900

74
g-index

77
all docs

77
docs citations

77
times ranked

4693
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A framework for triple oxygen isotopes in speleothem paleoclimatology. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 319, 191-219. | 3.9 | 13 |
| 2 | Looking upstream with clumped and triple oxygen isotopes of estuarine oyster shells in the early Eocene of California, USA. <i>Geology</i> , 2022, 50, 755-759. | 4.4 | 5 |
| 3 | Triple oxygen isotope distribution in modern mammal teeth and potential geologic applications. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 331, 105-122. | 3.9 | 7 |
| 4 | Clumped isotope thermometry of modern and fossil snail shells from the Himalayan-Tibetan Plateau: Implications for paleoclimate and paleoelevation reconstructions. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 1370-1380. | 3.3 | 7 |
| 5 | Triple Oxygen Isotopes in Meteoric Waters, Carbonates, and Biological Apatites: Implications for Continental Paleoclimate Reconstruction. <i>Reviews in Mineralogy and Geochemistry</i> , 2021, 86, 429-462. | 4.8 | 40 |
| 6 | Triple oxygen isotopes in the water cycle. <i>Chemical Geology</i> , 2021, 565, 120026. | 3.3 | 49 |
| 7 | Clumped isotope Geothermometry and Carbonate U-Pb Geochronology of the Alta Stock Metamorphic Aureole, Utah, USA: Insights on the Kinetics of Metamorphism in Carbonates. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009238. | 2.5 | 6 |
| 8 | InterCarb: A Community Effort to Improve Interlaboratory Standardization of the Carbonate Clumped Isotope Thermometer Using Carbonate Standards. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009588. | 2.5 | 110 |
| 9 | Triple oxygen and clumped isotopes in modern soil carbonate along an aridity gradient in the Serengeti, Tanzania. <i>Earth and Planetary Science Letters</i> , 2021, 567, 116952. | 4.4 | 10 |
| 10 | The Habitat of the Nascent Chicxulub Crater. <i>AGU Advances</i> , 2020, 1, e2020AV000208. | 5.4 | 12 |
| 11 | Laminated soil carbonate rinds as a paleoclimate archive of the Colorado Plateau. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 227-244. | 3.9 | 6 |
| 12 | Effects of Improved ^{17}O Correction on Interlaboratory Agreement in Clumped Isotope Calibrations, Estimates of Mineral-Specific Offsets, and Temperature Dependence of Acid Digestion Fractionation. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3495-3519. | 2.5 | 134 |
| 13 | Triple oxygen isotope signatures of evaporation in lake waters and carbonates: A case study from the western United States. <i>Earth and Planetary Science Letters</i> , 2019, 518, 1-12. | 4.4 | 54 |
| 14 | The burial and exhumation history of the Liuqu Conglomerate in the Yarlung Zangbo suture zone, southern Tibet: Insights from clumped isotope thermometry. <i>Journal of Asian Earth Sciences</i> , 2019, 174, 205-217. | 2.3 | 7 |
| 15 | Seasonal Bias in Soil Carbonate Formation and Its Implications for Interpreting High-Resolution Paleoarchives: Evidence From Southern Utah. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 616-632. | 3.0 | 30 |
| 16 | Influence of water on clumped-isotope bond reordering kinetics in calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 224, 42-63. | 3.9 | 26 |
| 17 | Temperature evolution and the oxygen isotope composition of Phanerozoic oceans from carbonate clumped isotope thermometry. <i>Earth and Planetary Science Letters</i> , 2018, 490, 40-50. | 4.4 | 108 |
| 18 | Terrestrial cooling and changes in hydroclimate in the continental interior of the United States across the Eocene-Oligocene boundary. <i>Bulletin of the Geological Society of America</i> , 2018, 130, 1073-1084. | 3.3 | 21 |

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|----|--|------|-----------|
| 19 | The palaeoenvironment of the middle Miocene pliopithecoid locality in Damiao, Inner Mongolia, China. <i>Journal of Human Evolution</i> , 2017, 108, 31-46. | 2.6 | 3 |
| 20 | Stable carbon isotope ecology of small mammals from the Sterkfontein Valley: Implications for habitat reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 485, 57-67. | 2.3 | 14 |
| 21 | Calibration of the dolomite clumped isotope thermometer from 25 to 350 °C, and implications for a universal calibration for all (Ca, Mg, Fe)CO ₃ carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 200, 255-279. | 3.9 | 172 |
| 22 | Reconstructing Holocene temperature and salinity variations in the western Baltic Sea region: a multi-proxy comparison from the Little Belt (IODP Expedition 347, Site M0059). <i>Biogeosciences</i> , 2017, 14, 5607-5632. | 3.3 | 26 |
| 23 | Small mammal insectivore stable carbon isotope compositions as habitat proxies in a South African savanna ecosystem. <i>Journal of Archaeological Science: Reports</i> , 2016, 8, 335-345. | 0.5 | 8 |
| 24 | 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. | 2.5 | 12 |
| 25 | Age and stratigraphic context of Pliopithecus and associated fauna from Miocene sedimentary strata at Damiao, Inner Mongolia, China. <i>Journal of Asian Earth Sciences</i> , 2015, 100, 78-90. | 2.3 | 6 |
| 26 | Biogeochemical tales told by isotope clumps. <i>Science</i> , 2015, 348, 394-395. | 12.6 | 6 |
| 27 | Small mammal tooth enamel carbon isotope record of C ₄ grasses in late Neogene China. <i>Global and Planetary Change</i> , 2015, 133, 288-297. | 3.5 | 4 |
| 28 | 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, 11467-11472. | 7.1 | 191 |
| 29 | Here be Dragons: Mesowear and Tooth Enamel Isotopes of the Classic Chinese "Hipparion" Faunas from Baode, Shanxi Province, China. <i>Annales Zoologici Fennici</i> , 2014, 51, 227-455. | 0.6 | 5 |
| 30 | Clumped isotope evidence for diachronous surface cooling of the Altiplano and pulsed surface uplift of the Central Andes. <i>Earth and Planetary Science Letters</i> , 2014, 393, 173-181. | 4.4 | 113 |
| 31 | Middle to late Cenozoic cooling and high topography in the central Rocky Mountains: Constraints from clumped isotope geochemistry. <i>Earth and Planetary Science Letters</i> , 2014, 408, 35-47. | 4.4 | 30 |
| 32 | Triple oxygen isotopes in biogenic and sedimentary carbonates. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 1-25. | 3.9 | 109 |
| 33 | Temperature limits for preservation of primary calcite clumped isotope paleotemperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 139, 362-382. | 3.9 | 202 |
| 34 | Calibration of the clumped isotope geothermometer in soil carbonate in Wyoming and Nebraska, USA: Implications for paleoelevation and paleoclimate reconstruction. <i>Earth and Planetary Science Letters</i> , 2014, 391, 110-120. | 4.4 | 75 |
| 35 | Assessment of the clumped isotope composition of fossil bone carbonate as a recorder of subsurface temperatures. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 142-159. | 3.9 | 12 |
| 36 | Carbonate clumped isotope compositions of modern marine mollusk and brachiopod shells. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 307-325. | 3.9 | 204 |

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|----|---|------|-----------|
| 37 | Climatic and diagenetic signals in the stable isotope geochemistry of dolomitic paleosols spanning the Paleocene–Eocene boundary. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 254-267. | 3.9 | 29 |
| 38 | Diet and environment of a mid-Pliocene fauna from southwestern Himalaya: Paleo-elevation implications. <i>Earth and Planetary Science Letters</i> , 2013, 376, 43-53. | 4.4 | 40 |
| 39 | Dynamic polar climates in a greenhouse world: Evidence from clumped isotope thermometry of Early Cretaceous belemnites. <i>Geology</i> , 2013, 41, 923-926. | 4.4 | 61 |
| 40 | Stratigraphy and Paleoecology of the Classical Dragon Bone Localities of Baode County, Shanxi Province. , 2013, , 203-217. | | 12 |
| 41 | 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 |
| 42 | Carbonate clumped isotope bond reordering and geospeedometry. <i>Earth and Planetary Science Letters</i> , 2012, 351-352, 223-236. | 4.4 | 227 |
| 43 | Reconstructing Terrestrial Environments Using Stable Isotopes in Fossil Teeth and Paleosol Carbonates. <i>The Paleontological Society Papers</i> , 2012, 18, 167-194. | 0.6 | 12 |
| 44 | The diet of <i>Australopithecus sediba</i> . <i>Nature</i> , 2012, 487, 90-93. | 27.8 | 165 |
| 45 | Defining an absolute reference frame for $\delta^{13}C$ clumped isotope studies of CO ₂ . <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7117-7131. | 3.9 | 497 |
| 46 | Stable Isotope Ecology in the Omo–Turkana Basin. <i>Evolutionary Anthropology</i> , 2011, 20, 228-237. | 3.4 | 27 |
| 47 | Formation of dolomite at 40–80 °C in the Latemar carbonate buildup, Dolomites, Italy, from clumped isotope thermometry. <i>Geology</i> , 2011, 39, 571-574. | 4.4 | 105 |
| 48 | Paleosol carbonate multiple isotopologue signature of active East Asian summer monsoons during the late Miocene and Pliocene. <i>Geology</i> , 2011, 39, 1151-1154. | 4.4 | 49 |
| 49 | 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 |
| 50 | The isotope record of short- and long-term dietary changes in sheep tooth enamel: Implications for quantitative reconstruction of paleodiets. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 3571-3586. | 3.9 | 118 |
| 51 | 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 |
| 52 | Stable Carbon and Oxygen Isotopes in East African Mammals: Modern and Fossil. , 2010, , 941-952. | | 14 |
| 53 | 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 |
| 54 | Methods and limitations of $\delta^{13}C$ clumped isotope CO ₂ ($\delta^{13}C_{47}$) analysis by gas source isotope ratio mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1318-1329. | 1.6 | 371 |

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|----|--|------|-----------|
| 55 | 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. | 4.4 | 161 |
| 56 | Stable isotope ecology of fossil hippopotamids from the Lake Turkana Basin of East Africa. <i>Journal of Zoology</i> , 2008, 275, 323-331. | 1.7 | 45 |
| 57 | Stable isotope ecology of the common hippopotamus. <i>Journal of Zoology</i> , 2008, 276, 204-212. | 1.7 | 105 |
| 58 | 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. | 3.9 | 199 |
| 59 | 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 |
| 60 | Determining biological tissue turnover using stable isotopes: the reaction progress variable. <i>Oecologia</i> , 2007, 151, 175-189. | 2.0 | 145 |
| 61 | 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 |
| 62 | 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. | 1.4 | 5 |
| 63 | Digestibility and nitrogen retention in llamas and goats fed alfalfa, C ₃ grass, and C ₄ grass hays. <i>Small Ruminant Research</i> , 2006, 64, 162-168. | 1.2 | 17 |
| 64 | Isotopic Evidence for Dietary Variability in the Early Hominin <i>Paranthropus robustus</i> . <i>Science</i> , 2006, 314, 980-982. | 12.6 | 206 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Turnover of carbon isotopes in tail hair and breath CO ₂ of horses fed an isotopically varied diet. <i>Oecologia</i> , 2004, 139, 11-22. | 2.0 | 222 |
| 69 | 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. | 3.9 | 14 |
| 70 | Orphans' tales: seasonal dietary changes in elephants from Tsavo National Park, Kenya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 206, 367-376. | 2.3 | 50 |
| 71 | 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 |
| 72 | An experimental study of carbon-isotope fractionation between diet, hair, and feces of mammalian herbivores. <i>Canadian Journal of Zoology</i> , 2003, 81, 871-876. | 1.0 | 237 |

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|----|--|-----|-----------|
| 73 | An experimental study of nitrogen flux in llamas: is ^{14}N preferentially excreted?. <i>Journal of Archaeological Science</i> , 2003, 30, 1649-1655. | 2.4 | 109 |
| 74 | DIETS OF EAST AFRICAN BOVIDAE BASED ON STABLE ISOTOPE ANALYSIS. <i>Journal of Mammalogy</i> , 2003, 84, 456-470. | 1.3 | 338 |
| 75 | Environmental Change in the Great Plains: An Isotopic Record from Fossil Horses. <i>Journal of Geology</i> , 2002, 110, 123-140. | 1.4 | 164 |
| 76 | Tooth enamel mineralization in ungulates: implications for recovering a primary isotopic time-series. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3225-3234. | 3.9 | 257 |
| 77 | Clumped isotope thermometry in deeply buried sedimentary carbonates: The effects of bond reordering and recrystallization. <i>Bulletin of the Geological Society of America</i> , 0, , B31169.1. | 3.3 | 22 |