

Paul Szpak

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

2,498
citations

218677

26
h-index

214800

47
g-index

64
all docs

64
docs citations

64
times ranked

3458
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexities of nitrogen isotope biogeochemistry in plant-soil systems: implications for the study of ancient agricultural and animal management practices. <i>Frontiers in Plant Science</i> , 2014, 5, 288.	3.6	267
2	Fish bone chemistry and ultrastructure: implications for taphonomy and stable isotope analysis. <i>Journal of Archaeological Science</i> , 2011, 38, 3358-3372.	2.4	219
3	Isotopic evidence for oligotrophication of terrestrial ecosystems. <i>Nature Ecology and Evolution</i> , 2018, 2, 1735-1744.	7.8	138
4	Influence of seabird guano and camelid dung fertilization on the nitrogen isotopic composition of field-grown maize (<i>Zea mays</i>). <i>Journal of Archaeological Science</i> , 2012, 39, 3721-3740.	2.4	129
5	Out of America: Ancient DNA Evidence for a New World Origin of Late Quaternary Woolly Mammoths. <i>Current Biology</i> , 2008, 18, 1320-1326.	3.9	110
6	Carbon and Nitrogen Isotopic Survey of Northern Peruvian Plants: Baselines for Paleodietary and Paleoecological Studies. <i>PLoS ONE</i> , 2013, 8, e53763.	2.5	106
7	Best practices for calibrating and reporting stable isotope measurements in archaeology. <i>Journal of Archaeological Science: Reports</i> , 2017, 13, 609-616.	0.5	105
8	Ancient Mitogenomes Reveal the Evolutionary History and Biogeography of Sloths. <i>Current Biology</i> , 2019, 29, 2031-2042.e6.	3.9	99
9	Small scale camelid husbandry on the north coast of Peru (VirÃ±o Valley): Insight from stable isotope analysis. <i>Journal of Anthropological Archaeology</i> , 2014, 36, 110-129.	1.6	87
10	Historical ecology of late Holocene sea otters (<i>Enhydra lutris</i>) from northern British Columbia: isotopic and zooarchaeological perspectives. <i>Journal of Archaeological Science</i> , 2012, 39, 1553-1571.	2.4	82
11	Regional differences in bone collagen $\delta^{13}C$ and $\delta^{15}N$ of Pleistocene mammoths: Implications for paleoecology of the mammoth steppe. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 286, 88-96.	2.3	72
12	Large variation in nitrogen isotopic composition of a fertilized legume. <i>Journal of Archaeological Science</i> , 2014, 45, 72-79.	2.4	62
13	Zinc Isotope Ratios as Indicators of Diet and Trophic Level in Arctic Marine Mammals. <i>PLoS ONE</i> , 2016, 11, e0152299.	2.5	56
14	Effects of lipid extraction and ultrafiltration on stable carbon and nitrogen isotopic compositions of fish bone collagen. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1591-1600.	1.5	55
15	Improved quality control criteria for stable carbon and nitrogen isotope measurements of ancient bone collagen. <i>Journal of Archaeological Science</i> , 2021, 132, 105416.	2.4	55
16	Stable Isotope Biogeochemistry of Seabird Guano Fertilization: Results from Growth Chamber Studies with Maize (<i>Zea Mays</i>). <i>PLoS ONE</i> , 2012, 7, e33741.	2.5	53
17	Origins of Prehispanic Camelid Wool Textiles from the North and Central Coasts of Peru Traced by Carbon and Nitrogen Isotopic Analyses. <i>Current Anthropology</i> , 2015, 56, 449-459.	1.6	49
18	Historical ecology and the conservation of large, hermaphroditic fishes in Pacific Coast kelp forest ecosystems. <i>Science Advances</i> , 2017, 3, e1601759.	10.3	48

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19	Quality control for modern bone collagen stable carbon and nitrogen isotope measurements. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1049-1060.	5.2	45
20	Lake Ontario salmon (<i>Salmo salar</i>) were not migratory: A long-standing historical debate solved through stable isotope analysis. <i>Scientific Reports</i> , 2016, 6, 36249.	3.3	35
21	Early Horizon camelid management practices in the Nepeña Valley, north-central coast of Peru. <i>Environmental Archaeology</i> , 2016, 21, 230-245.	1.2	35
22	Hybridization between two high Arctic cetaceans confirmed by genomic analysis. <i>Scientific Reports</i> , 2019, 9, 7729.	3.3	33
23	A Late Holocene vertebrate food web from southern Haida Gwaii (Queen Charlotte Islands, British Columbia). <i>Journal of Archaeological Science</i> , 2019, 107, 105153.	2.4	32
24	Regional ecological variability and impact of the maritime fur trade on nearshore ecosystems in southern Haida Gwaii (British Columbia, Canada): evidence from stable isotope analysis of rockfish (<i>Sebastes</i> spp.) bone collagen. <i>Archaeological and Anthropological Sciences</i> , 2013, 5, 159-182.	1.8	32
25	Effects of Sodium Hydroxide Treatment and Ultrafiltration on the Removal of Humic Contaminants from Archaeological Bone. <i>International Journal of Osteoarchaeology</i> , 2017, 27, 1070-1077.	1.2	32
26	Long-term ecological changes in marine mammals driven by recent warming in northwestern Alaska. <i>Global Change Biology</i> , 2018, 24, 490-503.	9.5	29
27	Anthropogenic changes to the Holocene nitrogen cycle in Ireland. <i>Science Advances</i> , 2018, 4, eaas9383.	10.3	29
28	Evolutionary history and palaeoecology of brown bear in North-East Siberia re-examined using ancient DNA and stable isotopes from skeletal remains. <i>Scientific Reports</i> , 2019, 9, 4462.	3.3	29
29	Deforestation caused abrupt shift in Great Lakes nitrogen cycle. <i>Limnology and Oceanography</i> , 2020, 65, 1921-1935.	3.1	24
30	Differentiating salmonid migratory ecotypes through stable isotope analysis of collagen: Archaeological and ecological applications. <i>PLoS ONE</i> , 2020, 15, e0232180.	2.5	24
31	Sulfur isotopes ($\delta^{34}\text{S}$) in Arctic marine mammals: indicators of benthic vs. pelagic foraging. <i>Marine Ecology - Progress Series</i> , 2020, 653, 205-216.	1.9	23
32	Population-specific sex and size variation in long-term foraging ecology of belugas and narwhals. <i>Royal Society Open Science</i> , 2021, 8, 202226.	2.4	21
33	Late Pleistocene paleoecology and phylogeography of woolly rhinoceroses. <i>Quaternary Science Reviews</i> , 2021, 263, 106993.	3.0	18
34	Resolving the phylogenetic position of Darwin's extinct ground sloth (<i>Mylodon darwini</i>) using mitogenomic and nuclear exon data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180214.	2.6	16
35	Plant sulfur isotopic compositions are altered by marine fertilizers. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 2989-2999.	1.8	16
36	Interpreting Past Human Diets Using Stable Isotope Mixing Models. <i>Journal of Archaeological Method and Theory</i> , 2021, 28, 1106-1142.	3.0	16

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37	Isotopic Evidence for Garden Hunting and Resource Depression in the Late Woodland of Northeastern North America. <i>American Antiquity</i> , 2021, 86, 90-110.	1.1	16
38	Zinc isotopes from archaeological bones provide reliable trophic level information for marine mammals. <i>Communications Biology</i> , 2021, 4, 683.	4.4	16
39	ISOTOPIC ANALYSES REVEAL GEOGRAPHICAL AND SOCIOECONOMIC PATTERNS IN HISTORICAL DOMESTIC ANIMAL TRADE BETWEEN PREDOMINANTLY WHEAT- AND MAIZE-GROWING AGRICULTURAL REGIONS IN EASTERN NORTH AMERICA. <i>American Antiquity</i> , 2017, 82, 341-352.	1.1	15
40	Variation in late holocene marine environments in the Canadian Arctic Archipelago: Evidence from ringed seal bone collagen stable isotope compositions. <i>Quaternary Science Reviews</i> , 2019, 211, 136-155.	3.0	15
41	Camelid husbandry in the Atacama Desert? A stable isotope study of camelid bone collagen and textiles from the Lluta and Camarones Valleys, northern Chile. <i>PLoS ONE</i> , 2020, 15, e0228332.	2.5	15
42	An Assessment of Marine Reservoir Corrections for Radiocarbon Dates on Walrus from the Foxe Basin Region of Arctic Canada. <i>Radiocarbon</i> , 2019, 61, 67-81.	1.8	14
43	An Integrated isotopic study of Early Intermediate Period camelid husbandry in the Santa Valley, Peru. <i>Environmental Archaeology</i> , 2020, 25, 279-295.	1.2	13
44	Seaweed-eating sheep show that $\delta^{13}C$ evidence for marine diets can be fully masked by sea spray effects. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8868.	1.5	13
45	Stable Isotope Sourcing of Wool from Textiles at Pacatnamay. <i>Archaeometry</i> , 2018, 60, 612-627.	1.3	12
46	A comparison of nitrogen isotope compositions of charred and desiccated botanical remains from northern Peru. <i>Vegetation History and Archaeobotany</i> , 2020, 29, 527-538.	2.1	11
47	Sexual differences in the foraging ecology of 19th century beluga whales (<i>Delphinapterus leucas</i>) from the Canadian High Arctic. <i>Marine Mammal Science</i> , 2020, 36, 451-471.	1.8	11
48	Chapter twelve Life Histories of Sacrificed Camelids from Huancaco (Viray Valley). , 2016, , 319-341.		10
49	Acidification does not alter the stable isotope composition of bone collagen. <i>PeerJ</i> , 0, 10, e13593.	2.0	9
50	Interpreting Past Human Diets Using Stable Isotope Mixing Models—Best Practices for Data Acquisition. <i>Journal of Archaeological Method and Theory</i> , 2022, 29, 138-161.	3.0	8
51	Early evidence for historical overfishing in the Gulf of Mexico. <i>Science Advances</i> , 2021, 7, .	10.3	7
52	Stable Carbon and Nitrogen Isotope Variability of Bone Collagen to Determine the Number of Isotopically Distinct Specimens. <i>Journal of Archaeological Method and Theory</i> , 2022, 29, 666-686.	3.0	7
53	Storing fish?: a dog's isotopic biography provides insight into Iron Age food preservation strategies in the Russian Arctic. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 200.	1.8	6
54	Predicting sample success for large-scale ancient DNA studies on marine mammals. <i>Molecular Ecology Resources</i> , 2021, 21, 1149-1166.	4.8	6

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55	Migration and maize in the Virá Valley: Understanding life histories through multi-tissue carbon, nitrogen, sulfur, and strontium isotope analyses. <i>American Journal of Physical Anthropology</i> , 2021, 176, 21-35.	2.1	6
56	Evidence for freshwater residency among Lake Ontario Atlantic salmon (<i>Salmo salar</i>) spawning in New York. <i>Journal of Great Lakes Research</i> , 2020, 46, 1036-1043.	1.9	5
57	Molecular advances in archaeological and biological research on Atlantic walrus. , 2021, , 215-249.		2
58	Stable Isotope Analysis: Methodological Approaches and Case Studies in southern South America. <i>Quaternary International</i> , 2020, 548, 1-3.	1.5	0
59	Technical note: Examining the use of ethylenediaminetetraacetic acid for humic extraction of ancient bone. <i>American Journal of Biological Anthropology</i> , 0, , .	1.1	0