

Michael Buckley

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

4,073
citations

109321

35
h-index

133252

59
g-index

105
all docs

105
docs citations

105
times ranked

3088
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring Diversity in Neolithic Agropastoral Management in Mainland Greece Using Stable Isotope Analysis. <i>Environmental Archaeology</i> , 2023, 28, 62-85.	1.2	5
2	Dietary niche separation of three Late Pleistocene bear species from Vancouver Island, on the Pacific Northwest Coast of North America. <i>Journal of Quaternary Science</i> , 2023, 38, 8-20.	2.1	1
3	Pluripotent stem cells for skeletal tissue engineering. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 774-793.	9.0	6
4	Medieval fish remains on the Newport ship identified by ZooMS collagen peptide mass fingerprinting. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, 1.	1.8	3
5	Modern human incursion into Neanderthal territories 54,000 years ago at Mandrin, France. <i>Science Advances</i> , 2022, 8, eabj9496.	10.3	76
6	Relative Protein Abundances and Biological Ageing in Whole Skeletal Elements. <i>Journal of Proteome Research</i> , 2021, 20, 538-548.	3.7	10
7	Specialized wool production economy of prehistoric farmstead of Chap I in the highlands of Central Tian Shan (Kyrgyzstan). <i>International Journal of Osteoarchaeology</i> , 2021, 31, 18-28.	1.2	12
8	Experimental taphonomy of fish bone from warm and cold water species: Testing the effects of amino acid composition on collagen breakdown in modern fish bone using thermal maturation experiments. <i>Journal of Archaeological Science</i> , 2021, 126, 105318.	2.4	1
9	Comparing the Use of Magnetic Beads with Ultrafiltration for Ancient Dental Calculus Proteomics. <i>Journal of Proteome Research</i> , 2021, 20, 1689-1704.	3.7	10
10	Machine learning ATR-FTIR spectroscopy data for the screening of collagen for ZooMS analysis and mtDNA in archaeological bone. <i>Journal of Archaeological Science</i> , 2021, 126, 105311.	2.4	9
11	Proteome Variation with Collagen Yield in Ancient Bone. <i>Journal of Proteome Research</i> , 2021, 20, 1754-1769.	3.7	7
12	Selection preferences for animal species used in bone-tool-manufacturing strategies in KwaZulu-Natal, South Africa. <i>PLoS ONE</i> , 2021, 16, e0249296.	2.5	9
13	Adaptive Trade-offs Towards the Last Glacial Maximum in North-Western Europe: a Multidisciplinary View from Walou Cave. <i>Journal of Paleolithic Archaeology</i> , 2021, 4, 1.	1.7	4
14	KostÄ«nki 9: The chronology and lithic assemblage of a Gravettian site in Russia. <i>Quaternary International</i> , 2021, 587-588, 344-367.	1.5	0
15	Zooarchaeology through the lens of collagen fingerprinting at Denisova Cave. <i>Scientific Reports</i> , 2021, 11, 15457.	3.3	19
16	Dating the last Middle Palaeolithic of the Crimean Peninsula: New hydroxyproline AMS dates from the site of Kabazi II. <i>Journal of Human Evolution</i> , 2021, 156, 102996.	2.6	9
17	Late Holocene spread of pastoralism coincides with endemic megafaunal extinction on Madagascar. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211204.	2.6	29
18	Trends in deamidation across archaeological bones, ceramics and dental calculus. <i>Methods</i> , 2021, , .	3.8	5

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19	The last caravans in antiquity: Camel remains from Caričin Grad (Justiniana Prima). <i>Journal of Archaeological Science: Reports</i> , 2021, 38, 103038.	0.5	0
20	Phylogenetic analyses of ray-finned fishes (Actinopterygii) using collagen type I protein sequences. <i>Royal Society Open Science</i> , 2021, 8, 201955.	2.4	8
21	Proteomic analysis of archaeological ceramics from Tell Khaiber, southern Iraq. <i>Journal of Archaeological Science</i> , 2021, 132, 105414.	2.4	7
22	High-throughput microCT and ZooMS collagen fingerprinting of Scombrid bone from the Marquesas Islands. <i>Journal of Archaeological Science</i> , 2021, 136, 105475.	2.4	5
23	Heading for the hills? A multi-isotope study of sheep management in first-millennium BC Italy. <i>Journal of Archaeological Science: Reports</i> , 2020, 29, 102036.	0.5	8
24	Ancient Beringian paleodiets revealed through multiproxy stable isotope analyses. <i>Science Advances</i> , 2020, 6, .	10.3	7
25	Soil Fungal Communities Investigated by Metabarcoding Within Simulated Forensic Burial Contexts. <i>Frontiers in Microbiology</i> , 2020, 11, 1686.	3.5	13
26	Biogeographic problem-solving reveals the Late Pleistocene translocation of a short-faced bear to the California Channel Islands. <i>Scientific Reports</i> , 2020, 10, 15172.	3.3	4
27	Collagen fingerprinting for the species identification of archaeological amphibian remains. <i>Boreas</i> , 2020, 49, 709-717.	2.4	12
28	Combined visual and biochemical analyses confirm depositor and diet for Neolithic coprolites from Skara Brae. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	8
29	Deforestation caused abrupt shift in Great Lakes nitrogen cycle. <i>Limnology and Oceanography</i> , 2020, 65, 1921-1935.	3.1	24
30	Collagen Sequence Analysis Reveals Evolutionary History of Extinct West Indies Nesophontes (Island-Shrews). <i>Molecular Biology and Evolution</i> , 2020, 37, 2931-2943.	8.9	14
31	Climate stability and societal decline on the margins of the Byzantine empire in the Negev Desert. <i>Scientific Reports</i> , 2020, 10, 1512.	3.3	15
32	Further insight into Neolithic agricultural management at Kouphovouno, southern Greece: expanding the isotopic approach. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	21
33	Archaeozoological, taphonomic and ZooMS insights into The Protoaurignacian faunal record from Riparo Bombrini. <i>Quaternary International</i> , 2020, 551, 243-263.	1.5	19
34	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
35	A molecular phylogeny of the extinct South American gomphothere through collagen sequence analysis. <i>Quaternary Science Reviews</i> , 2019, 224, 105882.	3.0	14
36	Species identification of Late Pleistocene bat bones using collagen fingerprinting. <i>International Journal of Osteoarchaeology</i> , 2019, 29, 1051-1059.	1.2	8

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37	Preserved collagen reveals species identity in archaeological marine turtle bones from Caribbean and Florida sites. <i>Royal Society Open Science</i> , 2019, 6, 191137.	2.4	34
38	A case study of vertebral fusion in a 19th-century horse from Serbia. <i>International Journal of Paleopathology</i> , 2019, 27, 17-23.	1.4	1
39	Advances in bone preservation: Identifying possible collagen preservation using sulfur speciation mapping. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 520, 181-187.	2.3	16
40	Age estimates for hominin fossils and the onset of the Upper Palaeolithic at Denisova Cave. <i>Nature</i> , 2019, 565, 640-644.	27.8	137
41	Interpreting the historical terrestrial vertebrate biodiversity of Cayman Brac (Greater Antilles, Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.7	16
42	Portable FTIR for on-site screening of archaeological bone intended for ZooMS collagen fingerprint analysis. <i>Journal of Archaeological Science: Reports</i> , 2019, 26, 101862.	0.5	13
43	Proteomics in the Analysis of Forensic, Archaeological, and Paleontological Bone. <i>ACS Symposium Series</i> , 2019, , 125-141.	0.5	4
44	Collagen deamidation in archaeological bone as an assessment for relative decay rates. <i>Archaeometry</i> , 2019, 61, 1382-1398.	1.3	21
45	Collagen fingerprinting and the Chumash billfish fishery, Santa Barbara Channel, California, USA. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 6639-6648.	1.8	16
46	Collagen sequence analysis of fossil camels, <i>Camelops</i> and c.f. <i>Paracamelus</i> , from the Arctic and sub-Arctic of Plio-Pleistocene North America. <i>Journal of Proteomics</i> , 2019, 194, 218-225.	2.4	44
47	Metabarcoding to investigate changes in soil microbial communities within forensic burial contexts. <i>Forensic Science International: Genetics</i> , 2019, 39, 73-85.	3.1	40
48	Sorting the sheep from the goats in the Pastoral Neolithic: morphological and biomolecular approaches at Luxmanda, Tanzania. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 3047-3062.	1.8	28
49	Combined osteomorphological, isotopic, aDNA, and ZooMS analyses of sheep and goat remains from Neolithic Ulucak, Turkey. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 1669-1681.	1.8	26
50	Forensic proteomics for the evaluation of the post-mortem decay in bones. <i>Journal of Proteomics</i> , 2018, 177, 21-30.	2.4	84
51	Exploring Biological and Geological Age-related Changes through Variations in Intra- and Intertooth Proteomes of Ancient Dentine. <i>Journal of Proteome Research</i> , 2018, 17, 1000-1013.	3.7	45
52	Grey whale (<i>Eschrichtius robustus</i>) in Norwegian waters 2000 years ago. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 495, 42-47.	2.3	30
53	Species identification of voles and lemmings from Late Pleistocene deposits in Pin Hole Cave (Creswell) Tj ETQq1 1 0.784314,rgBT /Over	1.5	9
54	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

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55	Zooarchaeology by Mass Spectrometry (ZooMS) Collagen Fingerprinting for the Species Identification of Archaeological Bone Fragments. , 2018, , 227-247.		55
56	Characterization of Proteomes Extracted through Collagen-based Stable Isotope and Radiocarbon Dating Methods. Journal of Proteome Research, 2018, 17, 429-439.	3.7	36
57	Morphological and chemical evidence for cyclic bone growth in a fossil hyaena. Journal of Analytical Atomic Spectrometry, 2018, 33, 2062-2069.	3.0	4
58	Paleoproteomics: An Introduction to the Analysis of Ancient Proteins by Soft Ionisation Mass Spectrometry. Population Genomics, 2018, , 31-52.	0.5	10
59	High-Resolution AMS Dating of Architecture, Boulder Artworks and the Transition to Farming at Lepenski Vir. Scientific Reports, 2018, 8, 14221.	3.3	14
60	Urban rats have less variable, higher protein diets. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181441.	2.6	26
61	ZooMS identification of bone tools from the North African Later Stone Age. Journal of Archaeological Science, 2018, 98, 149-157.	2.4	36
62	Radiocarbon dating legacy collections: A Bayesian analysis of high-precision AMS 14C dates from the Par-Tee site, Oregon. Journal of Archaeological Science: Reports, 2018, 21, 833-848.	0.5	7
63	Species identification of ancient Lithuanian fish remains using collagen fingerprinting. Journal of Archaeological Science, 2018, 98, 102-111.	2.4	33
64	Semi-supervised machine learning for automated species identification by collagen peptide mass fingerprinting. BMC Bioinformatics, 2018, 19, 241.	2.6	36
65	Collagen Fingerprinting and the Earliest Marine Mammal Hunting in North America. Scientific Reports, 2018, 8, 10014.	3.3	19
66	Comparing ancient DNA survival and proteome content in 69 archaeological cattle tooth and bone samples from multiple European sites. Journal of Proteomics, 2017, 158, 1-8.	2.4	54
67	Species identification and decay assessment of Late Pleistocene fragmentary vertebrate remains from Pin Hole Cave (Creswell Crags, <sc>UK</sc>) using collagen fingerprinting. Boreas, 2017, 46, 402-411.	2.4	71
68	Intra- and Interskeletal Proteome Variations in Fresh and Buried Bones. Journal of Proteome Research, 2017, 16, 2016-2029.	3.7	67
69	A fossil protein chimera; difficulties in discriminating dinosaur peptide sequences from modern cross-contamination. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170544.	2.6	70
70	Visualisation of developmental ossification using trace element mapping. Journal of Analytical Atomic Spectrometry, 2017, 32, 967-974.	3.0	9
71	Minimizing Laboratory-Induced Decay in Bone Proteomics. Journal of Proteome Research, 2017, 16, 447-458.	3.7	58
72	Direct dating of Neanderthal remains from the site of Vindija Cave and implications for the Middle to Upper Paleolithic transition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10606-10611.	7.1	100

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73	Identifying remains of extinct kangaroos in Late Pleistocene deposits using collagen fingerprinting. <i>Journal of Quaternary Science</i> , 2017, 32, 653-660.	2.1	39
74	Successive bacterial colonisation of pork and its implications for forensic investigations. <i>Forensic Science International</i> , 2017, 281, 1-8.	2.2	12
75	Reconstructing Asian faunal introductions to eastern Africa from multi-proxy biomolecular and archaeological datasets. <i>PLoS ONE</i> , 2017, 12, e0182565.	2.5	53
76	Archaeological Collagen Fingerprinting in the Neotropics; Protein Survival in 6000 Year Old Dwarf Deer Remains from Pedro González Island, Pearl Islands, Panama. , 2017, , 157-175.		6
77	Species Identification of Bovine, Ovine and Porcine Type 1 Collagen; Comparing Peptide Mass Fingerprinting and LC-Based Proteomics Methods. <i>International Journal of Molecular Sciences</i> , 2016, 17, 445.	4.1	67
78	Collagen Fingerprinting: A New Screening Technique for Radiocarbon Dating Ancient Bone. <i>PLoS ONE</i> , 2016, 11, e0150650.	2.5	54
79	Identification of the earliest collagen- and plant-based coatings from Neolithic artefacts (Nahal Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	26
80	Identification of a new hominin bone from Denisova Cave, Siberia using collagen fingerprinting and mitochondrial DNA analysis. <i>Scientific Reports</i> , 2016, 6, 23559.	3.3	144
81	The challenge of identifying tuberculosis proteins in archaeological tissues. <i>Journal of Archaeological Science</i> , 2016, 66, 146-153.	2.4	37
82	A mass spectrometry method for the determination of the species of origin of gelatine in foods and pharmaceutical products. <i>Food Chemistry</i> , 2016, 190, 276-284.	8.2	51
83	Comprehensive Proteomic Profiling of Wheat Gluten Using a Combination of Data-Independent and Data-Dependent Acquisition. <i>Frontiers in Plant Science</i> , 2016, 7, 2020.	3.6	54
84	Ancient collagen reveals evolutionary history of the endemic South American "ungulates"™. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142671.	2.6	106
85	Collagen Sequence Analysis of the Extinct Giant Ground Sloths <i>Lestodon</i> and <i>Megatherium</i> . <i>PLoS ONE</i> , 2015, 10, e0139611.	2.5	28
86	A review of the dodo and its ecosystem: insights from a vertebrate concentration Lagerstätte in Mauritius. <i>Journal of Vertebrate Paleontology</i> , 2015, 35, 3-20.	1.0	15
87	Species identification of archaeological marine mammals using collagen fingerprinting. <i>Journal of Archaeological Science</i> , 2014, 41, 631-641.	2.4	154
88	Proteome degradation in fossils: investigating the longevity of protein survival in ancient bone. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 605-615.	1.5	148
89	Combining histology, stable isotope analysis and ZooMS collagen fingerprinting to investigate the taphonomic history and dietary behaviour of extinct giant tortoises from the Mare aux Songes deposit on Mauritius. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 416, 80-91.	2.3	75
90	Proteome degradation in ancient bone: Diagenesis and phylogenetic potential. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 416, 69-79.	2.3	75

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91	Searching for Scandinavians in pre-Viking Scotland: molecular fingerprinting of Early Medieval combs. <i>Journal of Archaeological Science</i> , 2014, 41, 1-6.	2.4	72
92	Identification of collagen-based materials in cultural heritage. <i>Analyst, The</i> , 2013, 138, 4849.	3.5	110
93	Proteomics analysis of ancient food vessel stitching reveals >4000-year-old milk protein. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 531-538.	1.5	58
94	A Molecular Phylogeny of Plesiorcycteropus Reassigns the Extinct Mammalian Order "Bibymalagasia". <i>PLoS ONE</i> , 2013, 8, e59614.	2.5	79
95	Protein and mineral characterisation of rendered meat and bone meal. <i>Food Chemistry</i> , 2012, 134, 1267-1278.	8.2	11
96	Mammoth and Mastodon collagen sequences; survival and utility. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2007-2016.	3.9	82
97	Dinosaur Peptides Suggest Mechanisms of Protein Survival. <i>PLoS ONE</i> , 2011, 6, e20381.	2.5	39
98	Clarification of the taxonomic relationship of the extant and extinct ovibovids, <i>Ovibos</i> , <i>Praeovibos</i> , <i>Euceratherium</i> and <i>Bootherium</i> . <i>Quaternary Science Reviews</i> , 2010, 29, 2123-2130.	3.0	17
99	Species identification by analysis of bone collagen using matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3843-3854.	1.5	467
100	A method of isolating the collagen (I) α 2 chain carboxyterminal peptide for species identification in bone fragments. <i>Analytical Biochemistry</i> , 2008, 374, 325-334.	2.4	60
101	Comparing the survival of osteocalcin and mtDNA in archaeological bone from four European sites. <i>Journal of Archaeological Science</i> , 2008, 35, 1756-1764.	2.4	73
102	Comment on "Protein Sequences from Mastodon and <i>Tyrannosaurus rex</i> Revealed by Mass Spectrometry". <i>Science</i> , 2008, 319, 33-33.	12.6	127
103	Practice makes perfect? Inter-analyst variation in the identification of fish remains from archaeological sites. <i>International Journal of Osteoarchaeology</i> , 0, , .	1.2	4