Matthew Collins

List of Publications by Citations

229 papers	13,190 citations	64 h-index	107 g-index
245 ext. papers	15,886 ext. citations	6.4 avg, IF	6.21 L-index

#	Paper	IF	Citations
229	The survival of organic matter in bone: a review. *Archaeometry*, **2002**, 44, 383-394	1.6	387
228	The genome of a Late Pleistocene human from a Clovis burial site in western Montana. *Nature*, **2014**, 506, 225-9	50.4	357
227	Pathogens and host immunity in the ancient human oral cavity. *Nature Genetics*, **2014**, 46, 336-44	36.3	353
226	Age estimation: the state of the art in relation to the specific demands of forensic practise. *International Journal of Legal Medicine*, **2000**, 113, 129-36	3.1	347
225	Species identification by analysis of bone collagen using matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2009**, 23, 3843-54	2.2	338
224	The half-life of DNA in bone: measuring decay kinetics in 158 dated fossils. *Proceedings of the Royal Society B: Biological Sciences*, **2012**, 279, 4724-33	4.4	331
223	Ancient biomolecules from deep ice cores reveal a forested southern Greenland. *Science*, **2007**, 317, 111-4	33.3	319
222	The earliest record of human activity in northern Europe. *Nature*, **2005**, 438, 1008-12	50.4	318
221	Characterisation of microbial attack on archaeological bone. *Journal of Archaeological Science*, **2004**, 31, 87-95	2.9	248
220	Neanderthal medics? Evidence for food, cooking, and medicinal plants entrapped in dental calculus. *Die Naturwissenschaften*, **2012**, 99, 617-26	2	237
219	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. *Nature*, **2015**, 522, 81-4	50.4	210
218	The thermal history of human fossils and the likelihood of successful DNA amplification. *Journal of Human Evolution*, **2003**, 45, 203-17	3.1	200
217	Distinguishing between archaeological sheep and goat bones using a single collagen peptide. *Journal of Archaeological Science*, **2010**, 37, 13-20	2.9	199
216	Whole-genome shotgun sequencing of mitochondria from ancient hair shafts. *Science*, **2007**, 317, 1927-30	33.3	191
215	Palaeoproteomic evidence identifies archaic hominins associated with the Châtelperronian at the Grotte du Renne. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11162-11167	11.5	172
214	The future of ancient DNA: Technical advances and conceptual shifts. *BioEssays*, **2015**, 37, 284-93	4.1	156
213	A Basic Mathematical Simulation of the Chemical Degradation of Ancient Collagen. *Journal of Archaeological Science*, **1995**, 22, 175-183	2.9	152

212	Proteomic analysis of a pleistocene mammoth femur reveals more than one hundred ancient bone proteins. *Journal of Proteome Research*, **2012**, 11, 917-26	5.6	150
211	Neanderthal DNA. Not just old but old and cold?. *Nature*, **2001**, 410, 771-2	50.4	148
210	Closed-system behaviour of the intra-crystalline fraction of amino acids in mollusc shells. *Quaternary Geochronology*, **2008**, 3, 2-25	2.7	145
209	A new era in palaeomicrobiology: prospects for ancient dental calculus as a long-term record of the human oral microbiome. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370, 20130376	5.8	136
208	Bone diagenesis in the European Holocene I: patterns and mechanisms. *Journal of Archaeological Science*, **2007**, 34, 1485-1493	2.9	134
207	Racemization of aspartic acid in human proteins. *Ageing Research Reviews*, **2002**, 1, 43-59	12	134
206	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. *Nature Chemistry*, **2010**, 2, 1084-8	17.6	132
205	Direct evidence of milk consumption from ancient human dental calculus. *Scientific Reports*, **2014**, 4, 7104	4.9	125
204	The significance of a geochemically isolated intracrystalline organic fraction within biominerals. *Organic Geochemistry*, **1995**, 23, 1059-1065	3.1	122
203	Molecular phylogeny of the extinct cave lion Panthera leo spelaea. *Molecular Phylogenetics and Evolution*, **2004**, 30, 841-9	4.1	120
202	Protein sequences bound to mineral surfaces persist into deep time. *ELife*, **2016**, 5,	8.9	118
201	Aspartic acid racemization: evidence for marked longevity of elastin in human skin. *British Journal of Dermatology*, **2003**, 149, 951-9	4	117
200	Diagenesis of archaeological bone and tooth. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2018**, 491, 21-37	2.9	117
199	Bone diagenesis in the European Holocene II: taphonomic and environmental considerations. *Journal of Archaeological Science*, **2007**, 34, 1523-1531	2.9	116
198	Predicting protein decomposition: the case of aspartic-acid racemization kinetics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1999**, 354, 51-64	5.8	116
197	The taphonomy of cooked bone: characterizing boiling and its physicoâhemical effects. *Archaeometry*, **2002**, 44, 485-494	1.6	113
196	Biology of Living Brachiopods. *Advances in Marine Biology*, **1992**, 28, 175-387	2.1	113
195	Bone preservation and DNA amplification. *Archaeometry*, **2002**, 44, 395-404	1.6	109

194	Comment on "Protein sequences from mastodon and Tyrannosaurus rex revealed by mass spectrometry". *Science*, **2008**, 319, 33; author reply 33	33.3	106
193	A chronological framework for the British Quaternary based on Bithynia opercula. *Nature*, **2011**, 476, 446-9	50.4	104
192	Archaeological collagen: Why worry about collagen diagenesis?. *Archaeological and Anthropological Sciences*, **2009**, 1, 31-42	1.8	104
191	Did the first farmers of central and eastern Europe produce dairy foods?. *Antiquity*, **2005**, 79, 882-894	1	104
190	Sorption by mineral surfaces: Rebirth of the classical condensation pathway for kerogen formation?. *Geochimica Et Cosmochimica Acta*, **1995**, 59, 2387-2391	5.5	101
189	Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification. *Scientific Reports*, **2015**, 5, 16498	4.9	95
188	Starch granules, dental calculus and new perspectives on ancient diet. *Journal of Archaeological Science*, **2009**, 36, 248-255	2.9	93
187	A guide to ancient protein studies. *Nature Ecology and Evolution*, **2018**, 2, 791-799	12.3	90
186	Ancient human microbiomes. *Journal of Human Evolution*, **2015**, 79, 125-36	3.1	90
185	A new model for ancient DNA decay based on paleogenomic meta-analysis. *Nucleic Acids Research*, **2017**, 45, 6310-6320	20.1	89
184	Animal origin of 13th-century uterine vellum revealed using noninvasive peptide fingerprinting. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15066-71	11.5	89
183	Site-specific deamidation of glutamine: a new marker of bone collagen deterioration. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 2319-27	2.2	86
182	Structural and chemical changes of thermally treated bone apatite. *Journal of Materials Science*, **2007**, 42, 9807-9816	4.3	85
181	Ancient goat genomes reveal mosaic domestication in the Fertile Crescent. *Science*, **2018**, 361, 85-88	33.3	84
180	Biochemical and physical correlates of DNA contamination in archaeological human bones and teeth excavated at Matera, Italy. *Journal of Archaeological Science*, **2005**, 32, 785-793	2.9	82
179	An integrated stable isotope study of plants and animals from Kouphovouno, southern Greece: a new look at Neolithic farming. *Journal of Archaeological Science*, **2014**, 42, 201-215	2.9	78
178	Fish â chips: ZooMS peptide mass fingerprinting in a 96 well plate format to identify fish bone fragments. *Journal of Archaeological Science*, **2011**, 38, 1502-1510	2.9	78
177	Ancient cattle genomics, origins, and rapid turnover in the Fertile Crescent. *Science*, **2019**, 365, 173-176	33.3	77

176	What Happened Here? Bone Histology as a Tool in Decoding the Postmortem Histories of Archaeological Bone from Castricum, The Netherlands. *International Journal of Osteoarchaeology*, **2012**, 22, 537-548	1.1	75
175	Testing the aminostratigraphy of fluvial archives: the evidence from intra-crystalline proteins within freshwater shells. *Quaternary Science Reviews*, **2007**, 26, 2958-2969	3.9	75
174	Beyond the grave: variability in Neolithic diets in Southern Germany?. *Journal of Archaeological Science*, **2006**, 33, 39-48	2.9	73
173	Sub-micron spongiform porosity is the major ultra-structural alteration occurring in archaeological bone. *International Journal of Osteoarchaeology*, **2002**, 12, 407-414	1.1	73
172	Osteocalcin protein sequences of Neanderthals and modern primates. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4409-13	11.5	73
171	Lipid distribution in a subtropical southern China stalagmite as a record of soil ecosystem response to paleoclimate change. *Quaternary Research*, **2003**, 60, 340-347	1.9	72
170	Genomic signals of migration and continuity in Britain before the Anglo-Saxons. *Nature Communications*, **2016**, 7, 10326	17.4	70
169	Assessing the extent of bone degradation using glutamine deamidation in collagen. *Analytical Chemistry*, **2012**, 84, 9041-8	7.8	69
168	A practical approach to the identification of low temperature heated bone using TEM. *Journal of Archaeological Science*, **2003**, 30, 1393-1399	2.9	66
167	Collagen survival and its use for species identification in Holocene-lower Pleistocene bone fragments from British archaeological and paleontological sites **2011**, 1, 1		65
166	A multidisciplinary study of archaeological grape seeds. *Die Naturwissenschaften*, **2010**, 97, 205-17	2	65
165	Ancient proteins from ceramic vessels at Çatalhöyük West reveal the hidden cuisine of early farmers. *Nature Communications*, **2018**, 9, 4064	17.4	64
164	Mammoth and Mastodon collagen sequences; survival and utility. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 2007-2016	5.5	63
163	Evidence for mummification in Bronze Age Britain. *Antiquity*, **2005**, 79, 529-546	1	63
162	Using ZooMS to identify fragmentary bone from the Late Middle/Early Upper Palaeolithic sequence of Les Cottés, France. *Journal of Archaeological Science*, **2015**, 54, 279-286	2.9	62
161	Comparing the survival of osteocalcin and mtDNA in archaeological bone from four European sites. *Journal of Archaeological Science*, **2008**, 35, 1756-1764	2.9	61
160	Sequence preservation of osteocalcin protein and mitochondrial DNA in bison bones older than 55 ka. *Geology*, **2002**, 30, 1099	5	61
159	Detecting milk proteins in ancient pots. *Nature*, **2000**, 408, 312	50.4	61

158	An aminostratigraphy for the British Quaternary based on Bithynia opercula. *Quaternary Science Reviews*, **2013**, 61, 111-134	3.9	60
157	The Use of Small-Angle X-Ray Diffraction Studies for the Analysis of Structural Features in Archaeological Samples. *Archaeometry*, **2001**, 43, 117-129	1.6	60
156	Is amino acid racemization a useful tool for screening for ancient DNA in bone?. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 2971-7	4.4	59
155	An evaluation of the reactivity of synthetic and natural apatites in the presence of aqueous metals. *Science of the Total Environment*, **2009**, 407, 2953-65	10.2	59
154	Proteomic evidence of dietary sources in ancient dental calculus. *Proceedings of the Royal Society B: Biological Sciences*, **2018**, 285,	4.4	57
153	Age estimation based on aspartic acid racemization in elastin from the yellow ligaments. *International Journal of Legal Medicine*, **2003**, 117, 96-101	3.1	57
152	Biochemistry. Unlocking ancient protein palimpsests. *Science*, **2014**, 343, 1320-2	33.3	56
151	Searching for Scandinavians in pre-Viking Scotland: molecular fingerprinting of Early Medieval combs. *Journal of Archaeological Science*, **2014**, 41, 1-6	2.9	56
150	A novel and non-destructive approach for ZooMS analysis: ammonium bicarbonate buffer extraction. *Archaeological and Anthropological Sciences*, **2011**, 3, 281-289	1.8	55
149	Preservation of ancient DNA in thermally damaged archaeological bone. *Die Naturwissenschaften*, **2009**, 96, 267-78	2	52
148	A method of isolating the collagen (I) alpha2 chain carboxytelopeptide for species identification in bone fragments. *Analytical Biochemistry*, **2008**, 374, 325-34	3.1	51
147	Insights into the processes behind the contamination of degraded human teeth and bone samples with exogenous sources of DNA. *International Journal of Osteoarchaeology*, **2006**, 16, 156-164	1.1	51
146	The identification of prehistoric dairying activities in the Western Isles of Scotland: an integrated biomolecular approach. *Journal of Archaeological Science*, **2005**, 32, 91-103	2.9	51
145	A preliminary investigation of the application of differential scanning calorimetry to the study of collagen degradation in archaeological bone. *Thermochimica Acta*, **2000**, 365, 129-139	2.9	51
144	Quality assurance in age estimation based on aspartic acid racemisation. *International Journal of Legal Medicine*, **2000**, 114, 83-6	3.1	51
143	Preservation of the bone protein osteocalcin in dinosaurs. *Geology*, **1992**, 20, 871	5	51
142	Faunal record identifies Bering isthmus conditions as constraint to end-Pleistocene migration to the New World. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132167	4.4	50
141	Molecular organic matter in speleothems and its potential as an environmental proxy. *Quaternary Science Reviews*, **2008**, 27, 905-921	3.9	50

140	Experimental evidence for condensation reactions between sugars and proteins in carbonate skeletons. *Geochimica Et Cosmochimica Acta*, **1992**, 56, 1539-1544	5.5	50
139	Diagenesis and survival of osteocalcin in archaeological bone. *Journal of Archaeological Science*, **2005**, 32, 105-113	2.9	48
138	Palaeoproteomics resolves sloth relationships. *Nature Ecology and Evolution*, **2019**, 3, 1121-1130	12.3	47
137	New criteria for the molecular identification of cereal grains associated with archaeological artefacts. *Scientific Reports*, **2017**, 7, 6633	4.9	47
136	Ancient starch: Cooked or just old?. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, E145, author reply E146	11.5	47
135	The Removal of Protein from Mineral Surfaces: Implications for Residue Analysis of Archaeological Materials. *Journal of Archaeological Science*, **2002**, 29, 1077-1082	2.9	47
134	Proteomics and Coast Salish blankets: a tale of shaggy dogs?. *Antiquity*, **2011**, 85, 1418-1432	1	46
133	The York Gospels: a 1000-year biological palimpsest. *Royal Society Open Science*, **2017**, 4, 170988	3.3	44
132	Sorting the butchered from the boiled. *Journal of Archaeological Science*, **2010**, 37, 62-69	2.9	44
131	Long-term resilience of late holocene coastal subsistence system in Southeastern South america. *PLoS ONE*, **2014**, 9, e93854	3.7	44
130	Ancient biomolecules in Quaternary palaeoecology. *Quaternary Science Reviews*, **2012**, 33, 1-13	3.9	43
129	The effects of conformational constraints on aspartic acid racemization. *Organic Geochemistry*, **1998**, 29, 1227-1232	3.1	43
128	Microfocus small angle X-ray scattering reveals structural features in archaeological bone samples: detection of changes in bone mineral habit and size. *Calcified Tissue International*, **2002**, 70, 103-10	3.9	42
127	Enamel proteome shows that Gigantopithecus was an early diverging pongine. *Nature*, **2019**, 576, 262-265	50.4	41
126	Assessing amino acid racemization variability in coral intra-crystalline protein for geochronological applications. *Geochimica Et Cosmochimica Acta*, **2012**, 86, 338-353	5.5	40
125	Mid-Holocene vertebrate bone Concentration-Lagerstätte on oceanic island Mauritius provides a window into the ecosystem of the dodo (Raphus cucullatus). *Quaternary Science Reviews*, **2009**, 28, 14-24	3.9	40
124	A review of the methodological aspects of aspartic acid racemization analysis for use in forensic science. *Forensic Science International*, **1999**, 103, 113-24	2.6	40
123	A mass spectrometry method for the determination of the species of origin of gelatine in foods and pharmaceutical products. *Food Chemistry*, **2016**, 190, 276-284	8.5	39

122	Paging through history: parchment as a reservoir of ancient DNA for next generation sequencing. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370, 20130379	5.8	39
121	ZooMS: making eggshell visible in the archaeological record. *Journal of Archaeological Science*, **2013**, 40, 1797-1804	2.9	39
120	An improved method for the immunological detection of mineral bound protein using hydrofluoric acid and direct capture. *Journal of Immunological Methods*, **2000**, 236, 89-97	2.5	39
119	Proteomic evaluation of the biodegradation of wool fabrics in experimental burials. *International Biodeterioration and Biodegradation*, **2013**, 80, 48-59	4.8	37
118	Exaggerated expectations in ancient starch research and the need for new taphonomic and authenticity criteria. *Facets*, **2018**, 3, 777-798	2.3	37
117	The strange case of Apigliano: early â□□ossilizationâ□□ of medieval bone in southern Italy. *Archaeometry*, **2002**, 44, 405-415	1.6	36
116	Long-term survival of ancient DNA in Egypt: response to Zink and Nerlich (2003). *American Journal of Physical Anthropology*, **2005**, 128, 110-4; discussion 115-8	2.5	35
115	Identifying Archaeological Bone via Non-Destructive ZooMS and the Materiality of Symbolic Expression: Examples from Iroquoian Bone Points. *Scientific Reports*, **2019**, 9, 11027	4.9	34
114	Towards the application of desorption electrospray ionisation mass spectrometry (DESI-MS) to the analysis of ancient proteins from artefacts. *Journal of Archaeological Science*, **2009**, 36, 2145-2154	2.9	34
113	Preparation of bone powder for FTIR-ATR analysis: The particle size effect. *Vibrational Spectroscopy*, **2018**, 99, 167-177	2.1	34
112	Testing the limitations of artificial protein degradation kinetics using known-age massive Porites coral skeletons. *Quaternary Geochronology*, **2013**, 16, 87-109	2.7	33
111	Intra-crystalline protein diagenesis (IcPD) in . Part II: Breakdown and temperature sensitivity. *Quaternary Geochronology*, **2013**, 16, 158-172	2.7	33
110	Amino acid geochronology of the type Cromerian of West Runton, Norfolk, UK. *Quaternary International*, **2010**, 228, 25-37	2	33
109	The application of amino acid racemization in the acid soluble fraction of enamel to the estimation of the age of human teeth. *Forensic Science International*, **2008**, 175, 11-6	2.6	33
108	Isolation of the intra-crystalline proteins and kinetic studies in Struthio camelus (ostrich) eggshell for amino acid geochronology. *Quaternary Geochronology*, **2013**, 16, 110-128	2.7	32
107	Automated classification of starch granules using supervised pattern recognition of morphological properties. *Journal of Archaeological Science*, **2010**, 37, 594-604	2.9	32
106	Preservation of fossil biopolymeric structures: Conclusive immunological evidence. *Geochimica Et Cosmochimica Acta*, **1991**, 55, 2253-2257	5.5	32
105	Characterisation of novel □keratin peptide markers for species identification in keratinous tissues using mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2013**, 27, 2685-98	2.2	31

104	A 5700 year-old human genome and oral microbiome from chewed birch pitch. *Nature Communications*, **2019**, 10, 5520	17.4	31
103	The dental calculus metabolome in modern and historic samples. *Metabolomics*, **2017**, 13, 134	4.7	28
102	New insights into Neolithic milk consumption through proteomic analysis of dental calculus. *Archaeological and Anthropological Sciences*, **2019**, 11, 6183-6196	1.8	28
101	Questioning new answers regarding Holocene chicken domestication in China. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2415	11.5	28
100	The challenge of identifying tuberculosis proteins in archaeological tissues. *Journal of Archaeological Science*, **2016**, 66, 146-153	2.9	28
99	Modeling deamidation in sheep keratin peptides and application to archeological wool textiles. *Analytical Chemistry*, **2014**, 86, 567-75	7.8	28
98	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. *Journal of Archaeological Science*, **2011**, 38, 1641-1654	2.9	28
97	Preservation of the metaproteome: variability of protein preservation in ancient dental calculus. *Science and Technology of Archaeological Research*, **2017**, 3, 74-86	1.2	27
96	Petrous bone diagenesis: a multi-analytical approach. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2019**, 518, 143-154	2.9	27
95	Late persistence of the Acheulian in southern Britain in an MIS 8 interstadial: evidence from Harnham, Wiltshire. *Quaternary Science Reviews*, **2014**, 101, 159-176	3.9	26
94	Mapping the Elephants of the 19th Century East African Ivory Trade with a Multi-Isotope Approach. *PLoS ONE*, **2016**, 11, e0163606	3.7	25
93	Finding Britain's last hunter-gatherers: A new biomolecular approach to âunidentifiableâbone fragments utilising bone collagen. *Journal of Archaeological Science*, **2016**, 73, 55-61	2.9	25
92	Medieval women's early involvement in manuscript production suggested by lapis lazuli identification in dental calculus. *Science Advances*, **2019**, 5, eaau7126	14.3	24
91	Age estimation of archaeological remains using amino acid racemization in dental enamel: a comparison of morphological, biochemical, and known ages-at-death. *American Journal of Physical Anthropology*, **2009**, 140, 244-52	2.5	23
90	Growth rate and substrate-related mortality of a benthic brachiopod population. *Lethaia*, **1991**, 24, 1-11	1.3	23
89	Variations in glutamine deamidation for a Chelperronian bone assemblage as measured by peptide mass fingerprinting of collagen. *Science and Technology of Archaeological Research*, **2017**, 3, 15-27	1.2	22
88	New experimental evidence for in-chain amino acid racemization of serine in a model peptide. *Analytical Chemistry*, **2013**, 85, 5835-42	7.8	22
87	Recovery of DNA from archaeological insect remains: first results, problems and potential. *Journal of Archaeological Science*, **2009**, 36, 1179-1183	2.9	21

86	Bone diagenesis in a Mycenaean secondary burial (Kastrouli, Greece). *Archaeological and Anthropological Sciences*, **2019**, 11, 5213-5230	1.8	20
85	Using combined biomolecular methods to explore whale exploitation and social aggregation in hunterâgathererâfisher society in Tierra del Fuego. *Journal of Archaeological Science: Reports*, **2016**, 6, 757-767	0.7	20
84	An assessment of the microbial contribution to aquatic dissolved organic nitrogen using amino acid enantiomeric ratios. *Organic Geochemistry*, **2005**, 36, 1099-1107	3.1	20
83	Species identification by peptide mass fingerprinting (PMF) in fibre products preserved by association with copper-alloy artefacts. *Journal of Archaeological Science*, **2014**, 49, 524-535	2.9	19
82	Wet degradation of keratin proteins: linking amino acid, elemental and isotopic composition. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 2121-33	2.2	19
81	Small-angle X-ray scattering: a high-throughput technique for investigating archaeological bone preservation. *Journal of Archaeological Science*, **2004**, 31, 1349-1359	2.9	19
80	Screening archaeological bone for palaeogenetic and palaeoproteomic studies. *PLoS ONE*, **2020**, 15, e0235146	3.7	18
79	Analysis of collagen preservation in bones recovered in archaeological contexts using NIR Hyperspectral Imaging. *Talanta*, **2014**, 125, 181-8	6.2	18
78	Assessing the distribution of African Palaeolithic sites: a predictive model of collagen degradation. *Journal of Archaeological Science*, **2005**, 32, 157-166	2.9	18
77	Ancient amino acids from fossil feathers in amber. *Scientific Reports*, **2019**, 9, 6420	4.9	17
76	Results from an amino acid racemization inter-laboratory proficiency study; design and performance evaluation. *Quaternary Geochronology*, **2013**, 16, 183-197	2.7	16
75	The identification of archaeological eggshell using peptide markers. *Science and Technology of Archaeological Research*, **2017**, 3, 89-99	1.2	16
74	Advances in identifying archaeological traces of horn and other keratinous hard tissues. *Studies in Conservation*, **2015**, 60, 393-417	0.6	15
73	Clarification of the taxonomic relationship of the extant and extinct ovibovids, Ovibos, Praeovibos, Euceratherium and Bootherium. *Quaternary Science Reviews*, **2010**, 29, 2123-2130	3.9	15
72	Provenancing Archaeological Wool Textiles from Medieval Northern Europe by Light Stable Isotope Analysis (δ13C, δ15N, δ2H). *PLoS ONE*, **2016**, 11, e0162330	3.7	15
71	Barcoding the largest animals on Earth: ongoing challenges and molecular solutions in the taxonomic identification of ancient cetaceans. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	15
70	On the standardization of ZooMS nomenclature. *Journal of Proteomics*, **2021**, 235, 104041	3.9	15
69	So you want to do biocodicology? A field guide to the biological analysis of parchment. *Heritage Science*, **2019**, 7,	2.5	14

68	Alzheimer's disease and amyloid beta-peptide deposition in the brain: a matter of 'aging'?. *Biochemical Society Transactions*, **2010**, 38, 539-44	5.1	14
67	World archaeology and global change: Did our ancestors ignite the Ice Age?. *World Archaeology*, **1993**, 25, 122-133	1.4	14
66	DeamiDATE 1.0: Site-specific deamidation as a tool to assess authenticity of members of ancient proteomes. *Journal of Archaeological Science*, **2020**, 115, 105080	2.9	13
65	Walking on Eggshells: A Study of Egg Use in Anglo-Scandinavian York Based on Eggshell Identification Using ZooMS. *International Journal of Osteoarchaeology*, **2014**, 24, 247-255	1.1	13
64	Species identification using ZooMS, with reference to the exploitation of animal resources in the medieval town of Odense. *Danish Journal of Archaeology*, **2018**, 7, 139-153		13
63	Comparison of isotopic variability in proteinaceous tissues of a domesticated herbivore: a baseline for zooarchaeological investigation. *Rapid Communications in Mass Spectrometry*, **2013**, 27, 2601-15	2.2	12
62	An assessment of procedures to remove exogenous Sr before 87Sr/86Sr analysis of wet archaeological wool textiles. *Journal of Archaeological Science*, **2015**, 53, 84-93	2.9	11
61	What's the catch? Archaeological application of rapid collagen-based species identification for Pacific Salmon. *Journal of Archaeological Science*, **2020**, 116, 105116	2.9	11
60	Comment on "Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen" [J. Hum. Evol. 93 (2016) 82-90]. *Journal of Human Evolution*, **2018**, 117, 53-55	3.1	11
59	Radiocarbon and Protein Analyses Indicate an Early Holocene Age for the Osseous Rod from Grenfell, Saskatchewan, Canada. *American Antiquity*, **2014**, 79, 782-793	0.9	11
58	Soil proteomics: An assessment of its potential for archaeological site interpretation. *Organic Geochemistry*, **2012**, 50, 57-67	3.1	11
57	Assessing the distribution of Asian Palaeolithic sites: a predictive model of collagen degradation. *Journal of Archaeological Science*, **2006**, 33, 971-986	2.9	11
56	âMilk Jugsâand Other Myths of the Copper Age of Central Europeâ*European Journal of Archaeology*, **2003**, 6, 251-265	0.7	11
55	Hydroxyproline interference during the gas chromatographic analysis of D/L aspartic acid in human dentine. *International Journal of Legal Medicine*, **1999**, 112, 124-31	3.1	11
54	Redescription of Uca Sindensis (Alcock, 1900) (Brachyura: Ocypodidae) with Notes on the Ecology of a Population from Kuwait. *Journal of Crustacean Biology*, **1984**, 4, 318-328	0.8	11
53	Technological Analysis of the World's Earliest Shamanic Costume: A Multi-Scalar, Experimental Study of a Red Deer Headdress from the Early Holocene Site of Star Carr, North Yorkshire, UK. *PLoS ONE*, **2016**, 11, e0152136	3.7	11
52	Characterisation and dynamics of dissolved organic matter in the Northwestern Mediterranean Sea. *Progress in Oceanography*, **2013**, 119, 78-89	3.8	10
51	A review of the dodo and its ecosystem: insights from a vertebrate concentration Lagerstte in Mauritius. *Journal of Vertebrate Paleontology*, **2015**, 35, 3-20	1.7	10

50	Long-term trends in the survival of immunological epitopes entombed in fossil brachiopod skeletons. *Organic Geochemistry*, **2003**, 34, 89-96	3.1	10
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