

Matthew Collins

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.

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	A modern baseline for the paired isotopic analysis of skin and bone in terrestrial mammals.. <i>Royal Society Open Science</i> , 2022 , 9, 211587	3.3	0
228	Isotope analysis of human dental calculus $\delta^{13}C$: investigating a potential new proxy for sugar consumption.. <i>Rapid Communications in Mass Spectrometry</i> , 2022 , e9286	2.2	
227	Girding the loins? Direct evidence of the use of a medieval English parchment birthing girdle from biomolecular analysis. <i>Royal Society Open Science</i> , 2021 , 8, 202055	3.3	3
226	Palaeoproteomics confirm earliest domesticated sheep in southern Africa ca. 2000 BP. <i>Scientific Reports</i> , 2021 , 11, 6631	4.9	8
225	Scratching the surface: the use of sheepskin parchment to deter textual erasure in early modern legal deeds. <i>Heritage Science</i> , 2021 , 9, 29	2.5	0
224	Assessing the degradation of ancient milk proteins through site-specific deamidation patterns. <i>Scientific Reports</i> , 2021 , 11, 7795	4.9	10
223	A biocodicological analysis of the medieval library and archive from Orval Abbey, Belgium. <i>Royal Society Open Science</i> , 2021 , 8, 210210	3.3	0
222	Palaeoproteomic analyses of dog palaeofaeces reveal a preserved dietary and host digestive proteome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20210020	4.4	0
221	On the standardization of ZooMS nomenclature. <i>Journal of Proteomics</i> , 2021 , 235, 104041	3.9	15
220	Assessment of different screening methods for selecting palaeontological bone samples for peptide sequencing. <i>Journal of Proteomics</i> , 2021 , 230, 103986	3.9	1
219	Bone degradation at five Arctic archaeological sites: Quantifying the importance of burial environment and bone characteristics. <i>Journal of Archaeological Science</i> , 2021 , 125, 105296	2.9	0
218	Measuring the impact of parchment production on skin collagen stable isotope ($\delta^{13}C$ and $\delta^{15}N$) values. <i>Science and Technology of Archaeological Research</i> , 2021 , 7, 1-12	1.2	2
217	The degradation of intracrystalline mollusc shell proteins: A proteomics study of <i>Spondylus gaederopus</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021 , 1869, 140718	4	0
216	Comparing biological and pathological factors affecting osteocalcin concentrations in archaeological skeletal remains. <i>Journal of Archaeological Science: Reports</i> , 2020 , 34, 102573	0.7	
215	The biomolecular characterization of a finger ring contextually dated to the emergence of the Early Neolithic from Syltholm, Denmark. <i>Royal Society Open Science</i> , 2020 , 7, 191172	3.3	3
214	How to get your goat: automated identification of species from MALDI-ToF spectra. <i>Bioinformatics</i> , 2020 , 36, 3719-3725	7.2	4
213	Rapid loss of endogenous DNA in pig bone buried in five different environments. <i>Archaeometry</i> , 2020 , 62, 827-846	1.6	0

212	What's the catch? Archaeological application of rapid collagen-based species identification for Pacific Salmon. <i>Journal of Archaeological Science</i> , 2020 , 116, 105116	2.9	11
211	Screening archaeological bone for palaeogenetic and palaeoproteomic studies. <i>PLoS ONE</i> , 2020 , 15, e0235146	3.5	18
210	DeamiDATE 1.0: Site-specific deamidation as a tool to assess authenticity of members of ancient proteomes. <i>Journal of Archaeological Science</i> , 2020 , 115, 105080	2.9	13
209	Histological study of sheep skin transformation during the recreation of historical parchment manufacture. <i>Heritage Science</i> , 2020 , 8,	2.5	3
208	Bone biodeterioration-The effect of marine and terrestrial depositional environments on early diagenesis and bone bacterial community. <i>PLoS ONE</i> , 2020 , 15, e0240512	3.7	5
207	Multi-protease analysis of Pleistocene bone proteomes. <i>Journal of Proteomics</i> , 2020 , 228, 103889	3.9	3
206	The parchment of the Vienna Genesis: characteristics and manufacture 2020 , 35-70		1
205	DNA preserved in jetsam whale ambergris. <i>Biology Letters</i> , 2020 , 16, 20190819	3.6	6
204	A conscious rethink: Why is brain tissue commonly preserved in the archaeological record? Commentary on: Petrone P, Pucci P, Niola M, et al. Heat-induced brain vitrification from the Vesuvius eruption in C.E. 79. <i>N Engl J Med</i> 2020;382:383-4. DOI: 10.1056/NEJMc1909867. <i>Science and Technology of Archaeological Research</i> , 2020 , 6, 87-95	1.2	0
203	An integrated analysis of Maglemose bone points reframes the Early Mesolithic of Southern Scandinavia. <i>Scientific Reports</i> , 2020 , 10, 17244	4.9	4
202	New insights into Neolithic milk consumption through proteomic analysis of dental calculus. <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 6183-6196	1.8	28
201	Bone diagenesis in a Mycenaean secondary burial (Kastrouli, Greece). <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 5213-5230	1.8	20
200	Palaeoproteomics resolves sloth relationships. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1121-1130	12.3	47
199	Ancient amino acids from fossil feathers in amber. <i>Scientific Reports</i> , 2019 , 9, 6420	4.9	17
198	Ionisation bias undermines the use of matrix-assisted laser desorption/ionisation for estimating peptide deamidation: Synthetic peptide studies demonstrate electrospray ionisation gives more reliable response ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33, 1049-1057	2.2	6
197	So you want to do biocodicology? A field guide to the biological analysis of parchment. <i>Heritage Science</i> , 2019 , 7,	2.5	14
196	Identifying Archaeological Bone via Non-Destructive ZooMS and the Materiality of Symbolic Expression: Examples from Iroquoian Bone Points. <i>Scientific Reports</i> , 2019 , 9, 11027	4.9	34
195	Ancient cattle genomics, origins, and rapid turnover in the Fertile Crescent. <i>Science</i> , 2019 , 365, 173-176	33.3	77

194	Enamel proteome shows that Gigantopithecus was an early diverging pongine. <i>Nature</i> , 2019 , 576, 262-265	5.4	41
193	A 5700 year-old human genome and oral microbiome from chewed birch pitch. <i>Nature Communications</i> , 2019 , 10, 5520	17.4	31
192	Medieval women's early involvement in manuscript production suggested by lapis lazuli identification in dental calculus. <i>Science Advances</i> , 2019 , 5, eaau7126	14.3	24
191	Petrous bone diagenesis: a multi-analytical approach. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019 , 518, 143-154	2.9	27
190	Collagen proteins exchange O with demineralisation and gelatinisation reagents and also with atmospheric moisture. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 523	2.2	9
189	A guide to ancient protein studies. <i>Nature Ecology and Evolution</i> , 2018 , 2, 791-799	12.3	90
188	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]. <i>Journal of Human Evolution</i> , 2018 , 117, 53-55	3.1	11
187	Proteomic evidence of dietary sources in ancient dental calculus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	57
186	Exaggerated expectations in ancient starch research and the need for new taphonomic and authenticity criteria. <i>Facets</i> , 2018 , 3, 777-798	2.3	37
185	Diagenesis of archaeological bone and tooth. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018 , 491, 21-37	2.9	117
184	Ancient proteins from ceramic vessels at Itzehoe West reveal the hidden cuisine of early farmers. <i>Nature Communications</i> , 2018 , 9, 4064	17.4	64
183	Preparation of bone powder for FTIR-ATR analysis: The particle size effect. <i>Vibrational Spectroscopy</i> , 2018 , 99, 167-177	2.1	34
182	Species identification using ZooMS, with reference to the exploitation of animal resources in the medieval town of Odense. <i>Danish Journal of Archaeology</i> , 2018 , 7, 139-153		13
181	Ancient goat genomes reveal mosaic domestication in the Fertile Crescent. <i>Science</i> , 2018 , 361, 85-88	33.3	84
180	Multiple Microanalyses of a Sample from the Vinland Map. <i>Archaeometry</i> , 2017 , 59, 287-301	1.6	1
179	A new model for ancient DNA decay based on paleogenomic meta-analysis. <i>Nucleic Acids Research</i> , 2017 , 45, 6310-6320	20.1	89
178	The dental calculus metabolome in modern and historic samples. <i>Metabolomics</i> , 2017 , 13, 134	4.7	28
177	New criteria for the molecular identification of cereal grains associated with archaeological artefacts. <i>Scientific Reports</i> , 2017 , 7, 6633	4.9	47

176	Preservation of the metaproteome: variability of protein preservation in ancient dental calculus. <i>Science and Technology of Archaeological Research</i> , 2017 , 3, 74-86	1.2	27
175	Variations in glutamine deamidation for a Chelpperronian bone assemblage as measured by peptide mass fingerprinting of collagen. <i>Science and Technology of Archaeological Research</i> , 2017 , 3, 15-27	1.2	22
174	The York Gospels: a 1000-year biological palimpsest. <i>Royal Society Open Science</i> , 2017 , 4, 170988	3.3	44
173	The identification of archaeological eggshell using peptide markers. <i>Science and Technology of Archaeological Research</i> , 2017 , 3, 89-99	1.2	16
172	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	8.5	39
171	Palaeoproteomic evidence identifies archaic hominins associated with the Chelpperronian at the Grotte du Renne. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11162-11167	11.5	172
170	Using combined biomolecular methods to explore whale exploitation and social aggregation in hunter-gatherer-fisher society in Tierra del Fuego. <i>Journal of Archaeological Science: Reports</i> , 2016 , 6, 757-767	0.7	20
169	Genomic signals of migration and continuity in Britain before the Anglo-Saxons. <i>Nature Communications</i> , 2016 , 7, 10326	17.4	70
168	Poor preservation of antibodies in archaeological human bone and dentine. <i>Science and Technology of Archaeological Research</i> , 2016 , 2, 15-24	1.2	7
167	The challenge of identifying tuberculosis proteins in archaeological tissues. <i>Journal of Archaeological Science</i> , 2016 , 66, 146-153	2.9	28
166	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. <i>PLoS ONE</i> , 2016 , 11, e0152136	3.7	11
165	Mapping the Elephants of the 19th Century East African Ivory Trade with a Multi-Isotope Approach. <i>PLoS ONE</i> , 2016 , 11, e0163606	3.7	25
164	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016 , 5,	8.9	118
163	Aspartic Acid Racemization 2016 , 47-55		
162	Provenancing Archaeological Wool Textiles from Medieval Northern Europe by Light Stable Isotope Analysis ($\delta^{13}C$, $\delta^{15}N$, δ^2H). <i>PLoS ONE</i> , 2016 , 11, e0162330	3.7	15
161	Barcoding the largest animals on Earth: ongoing challenges and molecular solutions in the taxonomic identification of ancient cetaceans. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	15
160	Finding Britain's last hunter-gatherers: A new biomolecular approach to 'unidentifiable' bone fragments utilising bone collagen. <i>Journal of Archaeological Science</i> , 2016 , 73, 55-61	2.9	25
159	Advances in identifying archaeological traces of horn and other keratinous hard tissues. <i>Studies in Conservation</i> , 2015 , 60, 393-417	0.6	15

158	A new era in palaeomicrobiology: prospects for ancient dental calculus as a long-term record of the human oral microbiome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130376	5.8	136
157	Questioning new answers regarding Holocene chicken domestication in China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2415	11.5	28
156	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015 , 522, 81-4	50.4	210
155	Paging through history: parchment as a reservoir of ancient DNA for next generation sequencing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130379	5.8	39
154	The future of ancient DNA: Technical advances and conceptual shifts. <i>BioEssays</i> , 2015 , 37, 284-93	4.1	156
153	An assessment of procedures to remove exogenous Sr before ⁸⁷ Sr/ ⁸⁶ Sr analysis of wet archaeological wool textiles. <i>Journal of Archaeological Science</i> , 2015 , 53, 84-93	2.9	11
152	Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification. <i>Scientific Reports</i> , 2015 , 5, 16498	4.9	95
151	Animal origin of 13th-century uterine vellum revealed using noninvasive peptide fingerprinting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15066-71	11.5	89
150	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	1.7	10
149	Using ZooMS to identify fragmentary bone from the Late Middle/Early Upper Palaeolithic sequence of Les Cottés, France. <i>Journal of Archaeological Science</i> , 2015 , 54, 279-286	2.9	62
148	Ancient human microbiomes. <i>Journal of Human Evolution</i> , 2015 , 79, 125-36	3.1	90
147	Direct evidence of milk consumption from ancient human dental calculus. <i>Scientific Reports</i> , 2014 , 4, 7104	4.9	125
146	Pathogens and host immunity in the ancient human oral cavity. <i>Nature Genetics</i> , 2014 , 46, 336-44	36.3	353
145	Biochemistry. Unlocking ancient protein palimpsests. <i>Science</i> , 2014 , 343, 1320-2	33.3	56
144	The genome of a Late Pleistocene human from a Clovis burial site in western Montana. <i>Nature</i> , 2014 , 506, 225-9	50.4	357
143	Faunal record identifies Bering isthmus conditions as constraint to end-Pleistocene migration to the New World. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132167	4.4	50
142	Modeling deamidation in sheep keratin peptides and application to archeological wool textiles. <i>Analytical Chemistry</i> , 2014 , 86, 567-75	7.8	28
141	Late persistence of the Acheulian in southern Britain in an MIS 8 interstadial: evidence from Harnham, Wiltshire. <i>Quaternary Science Reviews</i> , 2014 , 101, 159-176	3.9	26

140	Species identification by peptide mass fingerprinting (PMF) in fibre products preserved by association with copper-alloy artefacts. <i>Journal of Archaeological Science</i> , 2014 , 49, 524-535	2.9	19
139	Searching for Scandinavians in pre-Viking Scotland: molecular fingerprinting of Early Medieval combs. <i>Journal of Archaeological Science</i> , 2014 , 41, 1-6	2.9	56
138	Walking on Eggshells: A Study of Egg Use in Anglo-Scandinavian York Based on Eggshell Identification Using ZooMS. <i>International Journal of Osteoarchaeology</i> , 2014 , 24, 247-255	1.1	13
137	Radiocarbon and Protein Analyses Indicate an Early Holocene Age for the Osseous Rod from Grenfell, Saskatchewan, Canada. <i>American Antiquity</i> , 2014 , 79, 782-793	0.9	11
136	Wet degradation of keratin proteins: linking amino acid, elemental and isotopic composition. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 2121-33	2.2	19
135	An integrated stable isotope study of plants and animals from Kouphovouno, southern Greece: a new look at Neolithic farming. <i>Journal of Archaeological Science</i> , 2014 , 42, 201-215	2.9	78
134	Analysis of collagen preservation in bones recovered in archaeological contexts using NIR Hyperspectral Imaging. <i>Talanta</i> , 2014 , 125, 181-8	6.2	18
133	Long-term resilience of late holocene coastal subsistence system in Southeastern South america. <i>PLoS ONE</i> , 2014 , 9, e93854	3.7	44
132	Testing the limitations of artificial protein degradation kinetics using known-age massive Porites coral skeletons. <i>Quaternary Geochronology</i> , 2013 , 16, 87-109	2.7	33
131	Results from an amino acid racemization inter-laboratory proficiency study; design and performance evaluation. <i>Quaternary Geochronology</i> , 2013 , 16, 183-197	2.7	16
130	Characterisation and dynamics of dissolved organic matter in the Northwestern Mediterranean Sea. <i>Progress in Oceanography</i> , 2013 , 119, 78-89	3.8	10
129	ZooMS: making eggshell visible in the archaeological record. <i>Journal of Archaeological Science</i> , 2013 , 40, 1797-1804	2.9	39
128	Characterisation of novel keratin peptide markers for species identification in keratinous tissues using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2685-98	2.2	31
127	An aminostratigraphy for the British Quaternary based on Bithynia opercula. <i>Quaternary Science Reviews</i> , 2013 , 61, 111-134	3.9	60
126	Proteomic evaluation of the biodegradation of wool fabrics in experimental burials. <i>International Biodeterioration and Biodegradation</i> , 2013 , 80, 48-59	4.8	37
125	Isolation of the intra-crystalline proteins and kinetic studies in <i>Struthio camelus</i> (ostrich) eggshell for amino acid geochronology. <i>Quaternary Geochronology</i> , 2013 , 16, 110-128	2.7	32
124	Intra-crystalline protein diagenesis (IcPD) in . Part II: Breakdown and temperature sensitivity. <i>Quaternary Geochronology</i> , 2013 , 16, 158-172	2.7	33
123	New experimental evidence for in-chain amino acid racemization of serine in a model peptide. <i>Analytical Chemistry</i> , 2013 , 85, 5835-42	7.8	22

122	Comparison of isotopic variability in proteinaceous tissues of a domesticated herbivore: a baseline for zooarchaeological investigation. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2601-15	2.2	12
121	What Happened Here? Bone Histology as a Tool in Decoding the Postmortem Histories of Archaeological Bone from Castricum, The Netherlands. <i>International Journal of Osteoarchaeology</i> , 2012 , 22, 537-548	1.1	75
120	Assessing the extent of bone degradation using glutamine deamidation in collagen. <i>Analytical Chemistry</i> , 2012 , 84, 9041-8	7.8	69
119	Ancient biomolecules in Quaternary palaeoecology. <i>Quaternary Science Reviews</i> , 2012 , 33, 1-13	3.9	43
118	Soil proteomics: An assessment of its potential for archaeological site interpretation. <i>Organic Geochemistry</i> , 2012 , 50, 57-67	3.1	11
117	The half-life of DNA in bone: measuring decay kinetics in 158 dated fossils. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 4724-33	4.4	331
116	A novel method for integrated age and sex determination from archaeological cattle mandibles. <i>Journal of Archaeological Science</i> , 2012 , 39, 3324-3330	2.9	8
115	Assessing amino acid racemization variability in coral intra-crystalline protein for geochronological applications. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 86, 338-353	5.5	40
114	Neanderthal medics? Evidence for food, cooking, and medicinal plants entrapped in dental calculus. <i>Die Naturwissenschaften</i> , 2012 , 99, 617-26	2	237
113	Proteomic analysis of a pleistocene mammoth femur reveals more than one hundred ancient bone proteins. <i>Journal of Proteome Research</i> , 2012 , 11, 917-26	5.6	150
112	Protein and mineral characterisation of rendered meat and bone meal. <i>Food Chemistry</i> , 2012 , 134, 1267-88	8	9
111	Site-specific deamidation of glutamine: a new marker of bone collagen deterioration. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 2319-27	2.2	86
110	Mammoth and Mastodon collagen sequences; survival and utility. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 2007-2016	5.5	63
109	Fish ã chips: ZooMS peptide mass fingerprinting in a 96 well plate format to identify fish bone fragments. <i>Journal of Archaeological Science</i> , 2011 , 38, 1502-1510	2.9	78
108	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011 , 38, 1641-1654	2.9	28
107	Collagen survival and its use for species identification in Holocene-lower Pleistocene bone fragments from British archaeological and paleontological sites 2011 , 1, 1		65
106	CONSTRUCTION OF THE KHOJA ZAYNUDDIN MOSQUE: USE OF ANIMAL GLUE MODIFIED WITH URINE*. <i>Archaeometry</i> , 2011 , 53, 830-841	1.6	4
105	A novel and non-destructive approach for ZooMS analysis: ammonium bicarbonate buffer extraction. <i>Archaeological and Anthropological Sciences</i> , 2011 , 3, 281-289	1.8	55

104	A chronological framework for the British Quaternary based on Bithynia opercula. <i>Nature</i> , 2011 , 476, 446-9	50.4	104
103	Proteomics and Coast Salish blankets: a tale of shaggy dogs?. <i>Antiquity</i> , 2011 , 85, 1418-1432	1	46
102	Ancient starch: Cooked or just old?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E145, author reply E146	11.5	47
101	Mineralization of the metre-long biosilica structures of glass sponges is templated on hydroxylated collagen. <i>Nature Chemistry</i> , 2010 , 2, 1084-8	17.6	132
100	Sorting the butchered from the boiled. <i>Journal of Archaeological Science</i> , 2010 , 37, 62-69	2.9	44
99	Distinguishing between archaeological sheep and goat bones using a single collagen peptide. <i>Journal of Archaeological Science</i> , 2010 , 37, 13-20	2.9	199
98	Automated classification of starch granules using supervised pattern recognition of morphological properties. <i>Journal of Archaeological Science</i> , 2010 , 37, 594-604	2.9	32
97	Amino acid geochronology of the type Cromerian of West Runton, Norfolk, UK. <i>Quaternary International</i> , 2010 , 228, 25-37	2	33
96	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	3.9	15
95	Alzheimer's disease and amyloid beta-peptide deposition in the brain: a matter of 'aging'?. <i>Biochemical Society Transactions</i> , 2010 , 38, 539-44	5.1	14
94	A multidisciplinary study of archaeological grape seeds. <i>Die Naturwissenschaften</i> , 2010 , 97, 205-17	2	65
93	The impact of random natural variability on aspartic acid racemization ratios in enamel from different types of human teeth. <i>Forensic Science International</i> , 2010 , 200, 148-52	2.6	7
92	Is amino acid racemization a useful tool for screening for ancient DNA in bone?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 2971-7	4.4	59
91	An evaluation of the reactivity of synthetic and natural apatites in the presence of aqueous metals. <i>Science of the Total Environment</i> , 2009 , 407, 2953-65	10.2	59
90	Age estimation of archaeological remains using amino acid racemization in dental enamel: a comparison of morphological, biochemical, and known ages-at-death. <i>American Journal of Physical Anthropology</i> , 2009 , 140, 244-52	2.5	23
89	Archaeological collagen: Why worry about collagen diagenesis?. <i>Archaeological and Anthropological Sciences</i> , 2009 , 1, 31-42	1.8	104
88	Preservation of ancient DNA in thermally damaged archaeological bone. <i>Die Naturwissenschaften</i> , 2009 , 96, 267-78	2	52
87	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, 3843-54	2.2	338

86	Mid-Holocene vertebrate bone Concentration-Lagerstätte on oceanic island Mauritius provides a window into the ecosystem of the dodo (<i>Raphus cucullatus</i>). <i>Quaternary Science Reviews</i> , 2009 , 28, 14-24	2.9	40
85	Starch granules, dental calculus and new perspectives on ancient diet. <i>Journal of Archaeological Science</i> , 2009 , 36, 248-255	2.9	93
84	Recovery of DNA from archaeological insect remains: first results, problems and potential. <i>Journal of Archaeological Science</i> , 2009 , 36, 1179-1183	2.9	21
83	Towards the application of desorption electrospray ionisation mass spectrometry (DESI-MS) to the analysis of ancient proteins from artefacts. <i>Journal of Archaeological Science</i> , 2009 , 36, 2145-2154	2.9	34
82	Comparing the survival of osteocalcin and mtDNA in archaeological bone from four European sites. <i>Journal of Archaeological Science</i> , 2008 , 35, 1756-1764	2.9	61
81	Molecular organic matter in speleothems and its potential as an environmental proxy. <i>Quaternary Science Reviews</i> , 2008 , 27, 905-921	3.9	50
80	Closed-system behaviour of the intra-crystalline fraction of amino acids in mollusc shells. <i>Quaternary Geochronology</i> , 2008 , 3, 2-25	2.7	145
79	Comment on "Protein sequences from mastodon and <i>Tyrannosaurus rex</i> revealed by mass spectrometry". <i>Science</i> , 2008 , 319, 33; author reply 33	33.3	106
78	A method of isolating the collagen (I) alpha2 chain carboxyterminal peptide for species identification in bone fragments. <i>Analytical Biochemistry</i> , 2008 , 374, 325-34	3.1	51
77	Diagnosing post-mortem treatments which inhibit DNA amplification from US MIAs buried at the Punchbowl. <i>Forensic Science International</i> , 2008 , 178, 171-7	2.6	9
76	The application of amino acid racemization in the acid soluble fraction of enamel to the estimation of the age of human teeth. <i>Forensic Science International</i> , 2008 , 175, 11-6	2.6	33
75	A new approach to amino acid racemization in enamel: testing of a less destructive sampling methodology. <i>Journal of Forensic Sciences</i> , 2008 , 53, 910-6	1.8	6
74	Ancient biomolecules from deep ice cores reveal a forested southern Greenland. <i>Science</i> , 2007 , 317, 111-4	33.3	319
73	Structural and chemical changes of thermally treated bone apatite. <i>Journal of Materials Science</i> , 2007 , 42, 9807-9816	4.3	85
72	Testing the aminostratigraphy of fluvial archives: the evidence from intra-crystalline proteins within freshwater shells. <i>Quaternary Science Reviews</i> , 2007 , 26, 2958-2969	3.9	75
71	Bone diagenesis in the European Holocene I: patterns and mechanisms. <i>Journal of Archaeological Science</i> , 2007 , 34, 1485-1493	2.9	134
70	Bone diagenesis in the European Holocene II: taphonomic and environmental considerations. <i>Journal of Archaeological Science</i> , 2007 , 34, 1523-1531	2.9	116
69	Whole-genome shotgun sequencing of mitochondria from ancient hair shafts. <i>Science</i> , 2007 , 317, 1927-30	33.3	191

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1	A new model for ancient DNA decay based on paleogenomic meta-analysis		1