

Camilla F Speller

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

3,343
citations

186209

28
h-index

161767

54
g-index

83
all docs

83
docs citations

83
times ranked

3599
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathogens and host immunity in the ancient human oral cavity. <i>Nature Genetics</i> , 2014, 46, 336-344.	9.4	482
2	The future of ancient DNA: Technical advances and conceptual shifts. <i>BioEssays</i> , 2015, 37, 284-293.	1.2	209
3	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.	1.8	203
4	Direct evidence of milk consumption from ancient human dental calculus. <i>Scientific Reports</i> , 2014, 4, 7104.	1.6	184
5	A guide to ancient protein studies. <i>Nature Ecology and Evolution</i> , 2018, 2, 791-799.	3.4	163
6	Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification. <i>Scientific Reports</i> , 2015, 5, 16498.	1.6	153
7	Ancient mitochondrial DNA analysis reveals complexity of indigenous North American turkey domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2807-2812.	3.3	129
8	Ancient human microbiomes. <i>Journal of Human Evolution</i> , 2015, 79, 125-136.	1.3	123
9	Ancient proteins from ceramic vessels at Neolithic West reveal the hidden cuisine of early farmers. <i>Nature Communications</i> , 2018, 9, 4064.	5.8	105
10	Proteomic evidence of dietary sources in ancient dental calculus. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180977.	1.2	97
11	Anthropogenic habitat alteration leads to rapid loss of adaptive variation and restoration potential in wild salmon populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 177-186.	3.3	88
12	Wild or domesticated: DNA analysis of ancient water buffalo remains from north China. <i>Journal of Archaeological Science</i> , 2008, 35, 2778-2785.	1.2	72
13	The York Gospels: a 1000-year biological palimpsest. <i>Royal Society Open Science</i> , 2017, 4, 170988.	1.1	66
14	Earliest Mexican Turkeys (<i>Meleagris gallopavo</i>) in the Maya Region: Implications for Pre-Hispanic Animal Trade and the Timing of Turkey Domestication. <i>PLoS ONE</i> , 2012, 7, e42630.	1.1	65
15	New criteria for the molecular identification of cereal grains associated with archaeological artefacts. <i>Scientific Reports</i> , 2017, 7, 6633.	1.6	63
16	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.	1.6	56
17	Medieval women's early involvement in manuscript production suggested by lapis lazuli identification in dental calculus. <i>Science Advances</i> , 2019, 5, eaau7126.	4.7	52
18	Identification of ancient remains through genomic sequencing. <i>Genome Research</i> , 2008, 18, 1347-1353.	2.4	47

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19	High Potential for Using DNA from Ancient Herring Bones to Inform Modern Fisheries Management and Conservation. PLoS ONE, 2012, 7, e51122.	1.1	47
20	New insights into Neolithic milk consumption through proteomic analysis of dental calculus. Archaeological and Anthropological Sciences, 2019, 11, 6183-6196.	0.7	45
21	The dental calculus metabolome in modern and historic samples. Metabolomics, 2017, 13, 134.	1.4	44
22	Novel Substrates as Sources of Ancient DNA: Prospects and Hurdles. Genes, 2017, 8, 180.	1.0	44
23	Ancient DNA investigation of prehistoric salmon resource utilization at Keatley Creek, British Columbia, Canada. Journal of Archaeological Science, 2005, 32, 1378-1389.	1.2	41
24	Ancient DNA provides new insights into the origin of the Chinese domestic horse. Journal of Archaeological Science, 2009, 36, 835-842.	1.2	39
25	Preservation of the metaproteome: variability of protein preservation in ancient dental calculus. Science and Technology of Archaeological Research, 2017, 3, 58-70.	2.4	39
26	Integrated DNA and Fingerprint Analyses in the Identification of 60â€­Yearâ€­Old Mummified Human Remains Discovered in an Alaskan Glacier. Journal of Forensic Sciences, 2010, 55, 813-818.	0.9	37
27	Historical Ecology and Biogeography of North Pacific Pinnipeds: Isotopes and Ancient DNA from Three Archaeological Assemblages. Journal of Island and Coastal Archaeology, 2006, 1, 165-190.	0.6	36
28	DeamiDATE 1.0: Site-specific deamidation as a tool to assess authenticity of members of ancient proteomes. Journal of Archaeological Science, 2020, 115, 105080.	1.2	36
29	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, 20150332.	1.8	30
30	Cheek tooth morphology and ancient mitochondrial DNA of late Pleistocene horses from the western interior of North America: Implications for the taxonomy of North American Late Pleistocene Equus. PLoS ONE, 2017, 12, e0183045.	1.1	29
31	Forgotten Mediterranean calving grounds of grey and North Atlantic right whales: evidence from Roman archaeological records. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180961.	1.2	27
32	Using combined biomolecular methods to explore whale exploitation and social aggregation in hunterâ€­gathererâ€­fisher society in Tierra del Fuego. Journal of Archaeological Science: Reports, 2016, 6, 757-767.	0.2	26
33	Phenotypes from ancient <sc>DNA</sc>: Approaches, insights and prospects. BioEssays, 2013, 35, 690-695.	1.2	25
34	Combined hybridization capture and shotgun sequencing for ancient <sc>DNA</sc> analysis of extinct wild and domestic dromedary camel. Molecular Ecology Resources, 2017, 17, 300-313.	2.2	25
35	A unified protocol for simultaneous extraction of DNA and proteins from archaeological dental calculus. Journal of Archaeological Science, 2020, 118, 105135.	1.2	23
36	Assessing the degradation of ancient milk proteins through site-specific deamidation patterns. Scientific Reports, 2021, 11, 7795.	1.6	22

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37	Co-amplification of cytochrome b and D-loop mtDNA fragments for the identification of degraded DNA samples. <i>Molecular Ecology Notes</i> , 2006, 6, 605-608.	1.7	21
38	Personal Identification of Cold Case Remains Through Combined Contribution from Anthropological, mtDNA, and Bombâ€Pulse Dating Analyses. <i>Journal of Forensic Sciences</i> , 2012, 57, 1354-1360.	0.9	21
39	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. <i>PLoS ONE</i> , 2020, 15, e0237608.	1.1	21
40	Diversity of management strategies in Mesoamerican turkeys: archaeological, isotopic and genetic evidence. <i>Royal Society Open Science</i> , 2018, 5, 171613.	1.1	20
41	What's the catch? Archaeological application of rapid collagen-based species identification for Pacific Salmon. <i>Journal of Archaeological Science</i> , 2020, 116, 105116.	1.2	19
42	Three Thousand Years of Continuity in the Maternal Lineages of Ancient Sheep (<i>Ovis aries</i>) in Estonia. <i>PLoS ONE</i> , 2016, 11, e0163676.	1.1	19
43	Stable isotope and ancient DNA analysis of dog remains from Cathlapotle (45CL1), a contact-era site on the Lower Columbia River. <i>Journal of Archaeological Science</i> , 2015, 57, 268-282.	1.2	18
44	Feather barbs as a good source of mtDNA for bird species identification in forensic wildlife investigations. <i>Investigative Genetics</i> , 2011, 2, 16.	3.3	17
45	Ancient Maya turkey husbandry: Testing theories through stable isotope analysis. <i>Journal of Archaeological Science: Reports</i> , 2016, 10, 584-595.	0.2	15
46	Ancient mtDNA Analysis of Early 16th Century Caribbean Cattle Provides Insight into Founding Populations of New World Creole Cattle Breeds. <i>PLoS ONE</i> , 2013, 8, e69584.	1.1	14
47	An efficient and reliable DNA-based sex identification method for archaeological Pacific salmonid (<i>Oncorhynchus</i> spp.) remains. <i>PLoS ONE</i> , 2018, 13, e0193212.	1.1	13
48	The historical ecology of Pacific herring: Tracing Alaska Native use of a forage fish. <i>Journal of Archaeological Science: Reports</i> , 2016, 8, 504-512.	0.2	12
49	Lives before and after Stonehenge: An osteobiographical study of four prehistoric burials recently excavated from the Stonehenge World Heritage Site. <i>Journal of Archaeological Science: Reports</i> , 2018, 20, 692-710.	0.2	12
50	Palaeogenomic analysis of black rat (<i>Rattus rattus</i>) reveals multiple European introductions associated with human economic history. <i>Nature Communications</i> , 2022, 13, 2399.	5.8	12
51	Multidisciplinary investigations of the diets of two post-medieval populations from London using stable isotopes and microdebris analysis. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 6161-6181.	0.7	11
52	Ancient mitochondrial DNA and population dynamics in postclassic Central Mexico: Tlatelolco (ad) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50	0.7	10
53	Dental calculus in the industrial age: Human dental calculus in the Post-Medieval period, a case study from industrial Manchester. <i>Quaternary International</i> , 2023, 653-654, 114-126.	0.7	10
54	Recent dating of extinct Atlantic gray whale fossils, <i>Eschrichtius robustus</i> , Georgia Bight and Florida, western Atlantic Ocean. <i>PeerJ</i> , 2019, 7, e6381.	0.9	9

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55	Predicting habitat use by the Argentine hake <i>Merluccius hubbsi</i> in a warmer world: inferences from the Middle Holocene. <i>Oecologia</i> , 2020, 193, 461-474.	0.9	7
56	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.	1.2	7
57	Scottish soldiers from the Battle of Dunbar 1650: A prosopographical approach to a skeletal assemblage. <i>PLoS ONE</i> , 2020, 15, e0243369.	1.1	7
58	Identifying the sex of archaeological turkey remains using ancient DNA techniques. <i>Journal of Archaeological Science: Reports</i> , 2016, 10, 520-525.	0.2	6
59	Genomic and proteomic identification of Late Holocene remains: Setting baselines for Black Sea odontocetes. <i>Journal of Archaeological Science: Reports</i> , 2017, 15, 262-271.	0.2	6
60	Middle Neolithic pits and a burial at West Amesbury, Wiltshire. <i>Archaeological Journal</i> , 2020, 177, 167-213.	0.4	6
61	Indigenous sex-selective salmon harvesting demonstrates pre-contact marine resource management in Burrard Inlet, British Columbia, Canada. <i>Scientific Reports</i> , 2021, 11, 21160.	1.6	6
62	Assessing prehistoric genetic structure and diversity of North American elk (<i>Cervus elaphus</i>) populations in Alberta, Canada. <i>Canadian Journal of Zoology</i> , 2014, 92, 285-298.	0.4	5
63	A sixteenth-century turkey (<i>Meleagris gallopavo</i>) from Puerto Real, Hispaniola. <i>Journal of Archaeological Science: Reports</i> , 2016, 10, 640-646.	0.2	5
64	Medieval Whalers in the Netherlands and Flanders: Zooarchaeological Analysis of Medieval Cetacean Remains. <i>Environmental Archaeology</i> , 2022, 27, 243-257.	0.6	5
65	Une baleine grise dans le PÃ©rigord magdalÃ©nien : identification taxinomique dâ€™une pointe de projectile en os de La Madeleine (Dordogne, France) par empreinte peptidique de masse du collagÃ©ne. <i>Paleo</i> , 2019, , 230-242.	0.1	5
66	What's in a whale bone? Combining new analytical methods, ecology and history to shed light on ancient human-whale interactions. <i>Quaternary Science Reviews</i> , 2022, 284, 107470.	1.4	5
67	ANTLER COMBS FROM THE SALME SHIP BURIALS: FIND CONTEXT, ORIGIN, DATING AND MANUFACTURE. <i>Estonian Journal of Archaeology</i> , 2020, 24, 3.	0.8	4
68	Retroviral analysis reveals the ancient origin of Kihnu native sheep in Estonia: implications for breed conservation. <i>Scientific Reports</i> , 2020, 10, 17340.	1.6	3
69	Toward a geography of foodways in the southern Gulf Islands, Pacific Northwest Coast. <i>North American Archaeologist</i> , 2020, 41, 3-32.	0.3	3
70	DNA-based species identification of ancient salmonid remains provides new insight into pre-contact Coast Salish salmon fisheries in Burrard Inlet, British Columbia, Canada. <i>Journal of Archaeological Science: Reports</i> , 2021, 37, 102956.	0.2	3
71	Testing for Mississippian Period Turkey Management in the Archaeological Record of the Southeastern United States. <i>American Antiquity</i> , 2021, 86, 794-814.	0.6	3
72	Turkey: Domestication. , 2014, , 7393-7396.		1

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73	Isotope analysis of human dental calculus $\delta^{13}\text{C}_{\text{CO}_3}$: Investigating a potential new proxy for sugar consumption. Rapid Communications in Mass Spectrometry, 2022, 36, e9286.	0.7	1
74	Turkey: Domestication. , 2018, , 1-3.		0
75	Turkey: Domestication. , 2020, , 10752-10754.		0