

# Keith M Dobney

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

8,491  
citations

53794

45  
h-index

49909

87  
g-index

107  
all docs

107  
docs citations

107  
times ranked

8233  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	12.8	12
2	Advancing and refining archaeological dental calculus research using multiomic frameworks. <i>Science and Technology of Archaeological Research</i> , 2021, 7, 13-30.	2.4	10
3	Dire wolves were the last of an ancient New World canid lineage. <i>Nature</i> , 2021, 591, 87-91.	27.8	43
4	The composition of the founding population of Iceland: A new perspective from 3D analyses of basicranial shape. <i>PLoS ONE</i> , 2021, 16, e0246059.	2.5	7
5	Effectiveness of decontamination protocols when analyzing ancient DNA preserved in dental calculus. <i>Scientific Reports</i> , 2021, 11, 7456.	3.3	15
6	A 3D basicranial shape-based assessment of local and continental northwest European ancestry among 5th to 9th century CE Anglo-Saxons. <i>PLoS ONE</i> , 2021, 16, e0252477.	2.5	2
7	Pre-contact adaptations to the Little Ice Age in Southwest Alaska: New evidence from the Nunalleq site. <i>Quaternary International</i> , 2020, 549, 130-141.	1.5	18
8	Ancient DNA suggests modern wolves trace their origin to a Late Pleistocene expansion from Beringia. <i>Molecular Ecology</i> , 2020, 29, 1596-1610.	3.9	70
9	georigins : A new method and r package for trait mapping and geographic provenancing of specimens without categorical constraints. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1247-1257.	5.2	0
10	Long-Term Reciprocal Gene Flow in Wild and Domestic Geese Reveals Complex Domestication History. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3061-3070.	1.8	15
11	Origins and genetic legacy of prehistoric dogs. <i>Science</i> , 2020, 370, 557-564.	12.6	152
12	Spondylolysis and spinal adaptations for bipedalism. <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 35-44.	2.5	8
13	What's the catch? Archaeological application of rapid collagen-based species identification for Pacific Salmon. <i>Journal of Archaeological Science</i> , 2020, 116, 105116.	2.4	19
14	Ancient pigs reveal a near-complete genomic turnover following their introduction to Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17231-17238.	7.1	101
15	Potential adaptations for bipedalism in the thoracic and lumbar vertebrae of <i>Homo sapiens</i> : A 3D comparative analysis. <i>Journal of Human Evolution</i> , 2019, 137, 102693.	2.6	3
16	Evidence of large genetic influences on dog ownership in the Swedish Twin Registry has implications for understanding domestication and health associations. <i>Scientific Reports</i> , 2019, 9, 7554.	3.3	8
17	3D shape analyses of extant primate and fossil hominin vertebrae support the ancestral shape hypothesis for intervertebral disc herniation. <i>BMC Evolutionary Biology</i> , 2019, 19, 226.	3.2	8
18	Specialized sledge dogs accompanied Inuit dispersal across the North American Arctic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191929.	2.6	38

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19	Vertebrate Zooarchaeology. , 2019, , 215-232.		0
20	Ancient Microbial DNA in Dental Calculus: A New method for Studying Rapid Human Migration Events. Journal of Island and Coastal Archaeology, 2019, 14, 149-162.	1.4	16
21	Dental Shape Variation and Phylogenetic Signal in the Rattini Tribe Species of Mainland Southeast Asia. Journal of Mammalian Evolution, 2019, 26, 435-446.	1.8	15
22	Exploring <i>Rattus praetor</i> (Rodentia, Muridae) as a possible species complex using geometric morphometrics on dental morphology. Mammalian Biology, 2018, 92, 62-67.	1.5	9
23	Dog-human dietary relationships in Yup'ik western Alaska: The stable isotope and zooarchaeological evidence from pre-contact Nunalleq. Journal of Archaeological Science: Reports, 2018, 17, 964-972.	0.5	24
24	The evolutionary history of dogs in the Americas. Science, 2018, 361, 81-85.	12.6	140
25	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. Nature, 2017, 544, 357-361.	27.8	398
26	Inferring Allele Frequency Trajectories from Ancient DNA Indicates That Selection on a Chicken Gene Coincided with Changes in Medieval Husbandry Practices. Molecular Biology and Evolution, 2017, 34, 1981-1990.	8.9	63
27	Genomic Analyses of Pre-European Conquest Human Remains from the Canary Islands Reveal Close Affinity to Modern North Africans. Current Biology, 2017, 27, 3396-3402.e5.	3.9	62
28	A landmark-based approach for assessing the reliability of mandibular tooth crowding as a marker of dog domestication. Journal of Archaeological Science, 2017, 85, 41-50.	2.4	30
29	A test for pedomorphism in domestic pig cranial morphology. Biology Letters, 2017, 13, 20170321.	2.3	26
30	Earliest "Domestic" Cats in China Identified as Leopard Cat ( <i>Prionailurus bengalensis</i> ). PLoS ONE, 2016, 11, e0147295.	2.5	22
31	A novel <i>MC1R</i> allele for black coat colour reveals the Polynesian ancestry and hybridization patterns of Hawaiian feral pigs. Royal Society Open Science, 2016, 3, 160304.	2.4	19
32	The use of close-range photogrammetry in zooarchaeology: Creating accurate 3D models of wolf crania to study dog domestication. Journal of Archaeological Science: Reports, 2016, 9, 87-93.	0.5	63
33	Genomic and archaeological evidence suggest a dual origin of domestic dogs. Science, 2016, 352, 1228-1231.	12.6	366
34	Wild, domestic and feral? Investigating the status of suids in the Romanian GumelniÅa (5th mil. cal BC) with biogeochemistry and geometric morphometrics. Journal of Anthropological Archaeology, 2016, 42, 27-36.	1.6	45
35	An Ecological and Evolutionary Framework for Commensalism in Anthropogenic Environments. Trends in Ecology and Evolution, 2016, 31, 633-645.	8.7	121
36	Mitogenomic analysis of a 50-generation chicken pedigree reveals a rapid rate of mitochondrial evolution and evidence for paternal mtDNA inheritance. Biology Letters, 2015, 11, .	2.3	33

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37	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.	7.1	46
38	Phenotype and animal domestication: A study of dental variation between domestic, wild, captive, hybrid and insular <i>Sus scrofa</i> . BMC Evolutionary Biology, 2015, 15, 6.	3.2	65
39	The ancestral shape hypothesis: an evolutionary explanation for the occurrence of intervertebral disc herniation in humans. BMC Evolutionary Biology, 2015, 15, 68.	3.2	25
40	Unravelling the complexity of domestication: a case study using morphometrics and ancient DNA analyses of archaeological pigs from Romania. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20130616.	4.0	43
41	Ancient DNA analysis of dental calculus. Journal of Human Evolution, 2015, 79, 119-124.	2.6	114
42	Evaluating the roles of directed breeding and gene flow in animal domestication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6153-6158.	7.1	106
43	Establishing the validity of domestication genes using DNA from ancient chickens. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6184-6189.	7.1	103
44	Protocol for Recording Enamel Hypoplasia in Modern and Archaeological Caprine Populations. International Journal of Osteoarchaeology, 2014, 24, 79-89.	1.2	9
45	Current perspectives and the future of domestication studies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6139-6146.	7.1	594
46	Storytelling and story testing in domestication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6159-6164.	7.1	96
47	Using ancient DNA to study the origins and dispersal of ancestral Polynesian chickens across the Pacific. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4826-4831.	7.1	131
48	A geometric morphometric re-evaluation of the use of dental form to explore differences in horse ( <i>Equus caballus</i> ) populations and its potential zooarchaeological application. Journal of Archaeological Science, 2014, 41, 904-910.	2.4	49
49	Using traditional biometrical data to distinguish West Palearctic wild boar and domestic pigs in the archaeological record: new methods and standards. Journal of Archaeological Science, 2014, 43, 1-8.	2.4	40
50	Exploring the complexity of domestication: a response to Rowley-Conwy and Zeder. World Archaeology, 2014, 46, 825-834.	1.1	15
51	THE CHANGING PACE OF INSULAR LIFE: 5000 YEARS OF MICROEVOLUTION IN THE ORKNEY VOLE ( <i>MICROTUS ARVALIS ORCADENSIS</i> ). Evolution; International Journal of Organic Evolution, 2014, 68, 2804-2820.	2.3	52
52	Reply to Beavan, Bryant, and Storey and Matisoo-Smith: Ancestral Polynesian $\text{mtDNA}$ haplotypes reflect authentic Pacific chicken lineages. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3585-6.	7.1	9
53	The zooarchaeological application of quantifying cranial shape differences in wild boar and domestic pigs ( <i>Sus scrofa</i> ) using 3D geometric morphometrics. Journal of Archaeological Science, 2014, 43, 159-167.	2.4	61
54	Divergent evolutionary processes associated with colonization of offshore islands. Molecular Ecology, 2013, 22, 5205-5220.	3.9	92

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55	The long and winding road: identifying pig domestication through molar size and shape. <i>Journal of Archaeological Science</i> , 2013, 40, 735-743.	2.4	169
56	Sequencing ancient calcified dental plaque shows changes in oral microbiota with dietary shifts of the Neolithic and Industrial revolutions. <i>Nature Genetics</i> , 2013, 45, 450-455.	21.4	500
57	Use of domesticated pigs by Mesolithic hunter-gatherers in northwestern Europe. <i>Nature Communications</i> , 2013, 4, 2348.	12.8	93
58	The origins and spread of stock-keeping: the role of cultural and environmental influences on early Neolithic animal exploitation in Europe. <i>Antiquity</i> , 2013, 87, 1046-1059.	1.0	55
59	Pig Domestication and Human-Mediated Dispersal in Western Eurasia Revealed through Ancient DNA and Geometric Morphometrics. <i>Molecular Biology and Evolution</i> , 2013, 30, 824-832.	8.9	196
60	Species distribution modelling of ancient cattle from early Neolithic sites in SW Asia and Europe. <i>Holocene</i> , 2012, 22, 997-1010.	1.7	44
61	Rethinking dog domestication by integrating genetics, archeology, and biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8878-8883.	7.1	412
62	Enamel hypoplasia in molars of sheep and goats, and its relationship to the pattern of tooth crown growth. <i>Journal of Anatomy</i> , 2012, 220, 484-495.	1.5	44
63	Dental enamel hypoplasia as indicators of seasonal environmental and physiological impacts in modern sheep populations: a model for interpreting the zooarchaeological record. <i>Journal of Zoology</i> , 2012, 287, 259-268.	1.7	24
64	Distinguishing Wild Boar from Domestic Pigs in Prehistory: A Review of Approaches and Recent Results. <i>Journal of World Prehistory</i> , 2012, 25, 1-44.	3.6	93
65	Early Neolithic pig domestication at Jiahu, Henan Province, China: clues from molar shape analyses using geometric morphometric approaches. <i>Journal of Archaeological Science</i> , 2011, 38, 11-22.	2.4	157
66	Meta-analysis of zooarchaeological data from SW Asia and SE Europe provides insight into the origins and spread of animal husbandry. <i>Journal of Archaeological Science</i> , 2011, 38, 538-545.	2.4	125
67	Patterns of East Asian pig domestication, migration, and turnover revealed by modern and ancient DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7686-7691.	7.1	279
68	Ancient DNA typing of archaeological pig remains corroborates historical records. <i>Journal of Archaeological Science</i> , 2010, 37, 174-177.	2.4	10
69	The Liang Bua faunal remains: a 95k.yr. sequence from Flores, East Indonesia. <i>Journal of Human Evolution</i> , 2009, 57, 527-537.	2.6	135
70	New insights into pig taxonomy, domestication and human dispersal in Island South East Asia: molar shape analysis of <i>Sus</i> remains from Niah Caves, Sarawak. <i>International Journal of Osteoarchaeology</i> , 2009, 19, 508-530.	1.2	71
71	Size and shape of the Eurasian wild boar ( <i>Sus scrofa</i> ), with a view to the reconstruction of its Holocene history. <i>Environmental Archaeology</i> , 2009, 14, 103-136.	1.2	72
72	Developmental defects and postmortem changes in archaeological pig teeth from Fais Island, Micronesia. <i>Journal of Archaeological Science</i> , 2009, 36, 1637-1646.	2.4	12

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73	Isotope analysis of human and animal diets from the Hanamiai archaeological site (French Polynesia). <i>Archaeology in Oceania</i> , 2009, 44, 29-37.	0.7	42
74	The Pigs of Island Southeast Asia and the Pacific: New Evidence for Taxonomic Status and Human-Mediated Dispersal. <i>Asian Perspectives</i> , 2008, 47, 59-74.	0.1	81
75	Phylogeny and ancient DNA of <i>Sus</i> provides insights into neolithic expansion in Island Southeast Asia and Oceania. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4834-4839.	7.1	286
76	Genetic isolation of a now extinct population of bottlenose dolphins ( <i>Tursiops truncatus</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1611-1616.	2.6	34
77	Ancient DNA, pig domestication, and the spread of the Neolithic into Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15276-15281.	7.1	414
78	Reconstructing impairment of secretory ameloblast function in porcine teeth by analysis of morphological alterations in dental enamel. <i>Journal of Anatomy</i> , 2006, 209, 93-110.	1.5	50
79	Pig Hunting and Husbandry in Prehistoric Italy: a Contribution to the Domestication Debate. <i>Proceedings of the Prehistoric Society, London</i> , 2006, 72, 193-227.	0.7	19
80	The use of isotope ratios to test for seaweed eating in sheep. <i>Journal of Zoology</i> , 2005, 266, 283-291.	1.7	81
81	Worldwide Phylogeography of Wild Boar Reveals Multiple Centers of Pig Domestication. <i>Science</i> , 2005, 307, 1618-1621.	12.6	729
82	The chronology and frequency of a stress marker (linear enamel hypoplasia) in recent and archaeological populations of <i>Sus scrofa</i> in north-west Europe, and the effects of early domestication. <i>Journal of Zoology</i> , 2004, 264, 197-208.	1.7	30
83	Ancient DNA analysis of 101 cattle remains: limits and prospects. <i>Journal of Archaeological Science</i> , 2004, 31, 695-710.	2.4	76
84	A high status burial from Ripon Cathedral, North Yorkshire, England: differential diagnosis of a chest deformity. <i>International Journal of Osteoarchaeology</i> , 2003, 13, 358-368.	1.2	22
85	The York System: An integrated zooarchaeological database for research and teaching. <i>Internet Archaeology</i> , 2003, , .	0.4	3
86	Bone Preservation and Ancient DNA: The Application of Screening Methods for Predicting DNA Survival. <i>Journal of Archaeological Science</i> , 2002, 29, 585-592.	2.4	71
87	A Match Made in Heaven or a Marriage of Convenience?. <i>Environmental Science and Technology Library</i> , 2001, , 149-175.	0.1	2
88	Excavations on the Site of the Roman Signal Station At Carr Naze, Filey, 1993â€“94. <i>Archaeological Journal</i> , 2000, 157, 79-199.	0.6	8
89	DNA-based Identification of Goose Species from Two Archaeological Sites in Lincolnshire. <i>Journal of Archaeological Science</i> , 2000, 27, 91-100.	2.4	31
90	Interpreting Developmental Stress in Archaeological Pigs: the Chronology of Linear Enamel Hypoplasia. <i>Journal of Archaeological Science</i> , 2000, 27, 597-607.	2.4	78

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91	On the causes of perforations in archaeological domestic cattle skulls: New evidence. , 1999, 9, 74-75.		7
92	Cottam: An Anglian and Anglo-Scandinavian settlement on the Yorkshire Wolds. Archaeological Journal, 1999, 156, 1-111.	0.6	14
93	A protocol for recording linear enamel hypoplasia on archaeological pig teeth. , 1998, 8, 263-273.		35
94	The molecular palaeoecology of geese: identification of archaeological goose remains using ancient DNA analysis. International Journal of Osteoarchaeology, 1998, 8, 280-287.	1.2	6
95	Down, but not out: biological evidence for complex economic organization in Lincoln in the late 4th century. Antiquity, 1998, 72, 417-424.	1.0	29
96	On the Causes of Perforations in Archaeological Domestic Cattle Skulls. International Journal of Osteoarchaeology, 1996, 6, 471-487.	1.2	12
97	A method for evaluating the amount of dental calculus on teeth from archaeological sites. Journal of Archaeological Science, 1987, 14, 343-351.	2.4	57
98	A History of Pig Domestication: New Ways of Exploring a Complex Process. , 0, , 39-48.		8
99	Acquired Spinal Conditions in Evolutionary Perspective: Updating a Classic Hypothesis. Biological Theory, 0, , .	1.5	0