

Keith M Dobney

List of Publications by Year in descending order

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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	Worldwide Phylogeography of Wild Boar Reveals Multiple Centers of Pig Domestication. <i>Science</i> , 2005, 307, 1618-1621.	12.6	729
2	Current perspectives and the future of domestication studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6139-6146.	7.1	594
3	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
4	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
5	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
6	Neanderthal behaviour, diet, and disease inferred from ancient DNA in dental calculus. <i>Nature</i> , 2017, 544, 357-361.	27.8	398
7	Genomic and archaeological evidence suggest a dual origin of domestic dogs. <i>Science</i> , 2016, 352, 1228-1231.	12.6	366
8	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
9	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
10	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
11	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
12	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
13	Origins and genetic legacy of prehistoric dogs. <i>Science</i> , 2020, 370, 557-564.	12.6	152
14	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018, 361, 81-85.	12.6	140
15	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
16	Using ancient DNA to study the origins and dispersal of ancestral Polynesian chickens across the Pacific. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4826-4831.	7.1	131
17	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
18	An Ecological and Evolutionary Framework for Commensalism in Anthropogenic Environments. <i>Trends in Ecology and Evolution</i> , 2016, 31, 633-645.	8.7	121

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19	Ancient DNA analysis of dental calculus. <i>Journal of Human Evolution</i> , 2015, 79, 119-124.	2.6	114
20	Evaluating the roles of directed breeding and gene flow in animal domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6153-6158.	7.1	106
21	Establishing the validity of domestication genes using DNA from ancient chickens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6184-6189.	7.1	103
22	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
23	Storytelling and story testing in domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6159-6164.	7.1	96
24	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
25	Use of domesticated pigs by Mesolithic hunter-gatherers in northwestern Europe. <i>Nature Communications</i> , 2013, 4, 2348.	12.8	93
26	Divergent evolutionary processes associated with colonization of offshore islands. <i>Molecular Ecology</i> , 2013, 22, 5205-5220.	3.9	92
27	The use of isotope ratios to test for seaweed eating in sheep. <i>Journal of Zoology</i> , 2005, 266, 283-291.	1.7	81
28	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
29	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
30	Ancient DNA analysis of 101 cattle remains: limits and prospects. <i>Journal of Archaeological Science</i> , 2004, 31, 695-710.	2.4	76
31	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
32	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
33	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
34	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
35	Phenotype and animal domestication: A study of dental variation between domestic, wild, captive, hybrid and insular <i>Sus scrofa</i> . <i>BMC Evolutionary Biology</i> , 2015, 15, 6.	3.2	65
36	The use of close-range photogrammetry in zooarchaeology: Creating accurate 3D models of wolf crania to study dog domestication. <i>Journal of Archaeological Science: Reports</i> , 2016, 9, 87-93.	0.5	63

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37	Inferring Allele Frequency Trajectories from Ancient DNA Indicates That Selection on a Chicken Gene Coincided with Changes in Medieval Husbandry Practices. <i>Molecular Biology and Evolution</i> , 2017, 34, 1981-1990.	8.9	63
38	Genomic Analyses of Pre-European Conquest Human Remains from the Canary Islands Reveal Close Affinity to Modern North Africans. <i>Current Biology</i> , 2017, 27, 3396-3402.e5.	3.9	62
39	The zooarchaeological application of quantifying cranial shape differences in wild boar and domestic pigs (<i>Sus scrofa</i>) using 3D geometric morphometrics. <i>Journal of Archaeological Science</i> , 2014, 43, 159-167.	2.4	61
40	A method for evaluating the amount of dental calculus on teeth from archaeological sites. <i>Journal of Archaeological Science</i> , 1987, 14, 343-351.	2.4	57
41	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
42	THE CHANGING PACE OF INSULAR LIFE: 5000 YEARS OF MICROEVOLUTION IN THE ORKNEY VOLE (<i>MICROTUS ARVALIS ORCADENSIS</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 2804-2820.	2.3	52
43	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
44	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. <i>Journal of Archaeological Science</i> , 2014, 41, 904-910.	2.4	49
45	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.	7.1	46
46	Wild, domestic and feral? Investigating the status of suids in the Romanian Gumelnița (5th mil. cal BC) with biogeochemistry and geometric morphometrics. <i>Journal of Anthropological Archaeology</i> , 2016, 42, 27-36.	1.6	45
47	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
48	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
49	Unravelling the complexity of domestication: a case study using morphometrics and ancient DNA analyses of archaeological pigs from Romania. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130616.	4.0	43
50	Dire wolves were the last of an ancient New World canid lineage. <i>Nature</i> , 2021, 591, 87-91.	27.8	43
51	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
52	Using traditional biometrical data to distinguish West Palearctic wild boar and domestic pigs in the archaeological record: new methods and standards. <i>Journal of Archaeological Science</i> , 2014, 43, 1-8.	2.4	40
53	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
54	A protocol for recording linear enamel hypoplasia on archaeological pig teeth. , 1998, 8, 263-273.		35

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55	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
56	Mitogenomic analysis of a 50-generation chicken pedigree reveals a rapid rate of mitochondrial evolution and evidence for paternal mtDNA inheritance. <i>Biology Letters</i> , 2015, 11, .	2.3	33
57	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
58	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
59	A landmark-based approach for assessing the reliability of mandibular tooth crowding as a marker of dog domestication. <i>Journal of Archaeological Science</i> , 2017, 85, 41-50.	2.4	30
60	Down, but not out: biological evidence for complex economic organization in Lincoln in the late 4th century. <i>Antiquity</i> , 1998, 72, 417-424.	1.0	29
61	A test for paedomorphism in domestic pig cranial morphology. <i>Biology Letters</i> , 2017, 13, 20170321.	2.3	26
62	The ancestral shape hypothesis: an evolutionary explanation for the occurrence of intervertebral disc herniation in humans. <i>BMC Evolutionary Biology</i> , 2015, 15, 68.	3.2	25
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	Dog-human dietary relationships in Yup'ik western Alaska: The stable isotope and zooarchaeological evidence from pre-contact Nunalleq. <i>Journal of Archaeological Science: Reports</i> , 2018, 17, 964-972.	0.5	24
65	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
66	Earliest "Domestic" Cats in China Identified as Leopard Cat (<i>Prionailurus bengalensis</i>). <i>PLoS ONE</i> , 2016, 11, e0147295.	2.5	22
67	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
68	A novel <i>MC1R</i> allele for black coat colour reveals the Polynesian ancestry and hybridization patterns of Hawaiian feral pigs. <i>Royal Society Open Science</i> , 2016, 3, 160304.	2.4	19
69	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
70	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
71	Ancient Microbial DNA in Dental Calculus: A New method for Studying Rapid Human Migration Events. <i>Journal of Island and Coastal Archaeology</i> , 2019, 14, 149-162.	1.4	16
72	Exploring the complexity of domestication: a response to Rowley-Conwy and Zeder. <i>World Archaeology</i> , 2014, 46, 825-834.	1.1	15

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73	Dental Shape Variation and Phylogenetic Signal in the Rattini Tribe Species of Mainland Southeast Asia. <i>Journal of Mammalian Evolution</i> , 2019, 26, 435-446.	1.8	15
74	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
75	Effectiveness of decontamination protocols when analyzing ancient DNA preserved in dental calculus. <i>Scientific Reports</i> , 2021, 11, 7456.	3.3	15
76	Cottam: An Anglian and Anglo-Scandinavian settlement on the Yorkshire Wolds. <i>Archaeological Journal</i> , 1999, 156, 1-111.	0.6	14
77	On the Causes of Perforations in Archaeological Domestic Cattle Skulls. <i>International Journal of Osteoarchaeology</i> , 1996, 6, 471-487.	1.2	12
78	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
79	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
80	Ancient DNA typing of archaeological pig remains corroborates historical records. <i>Journal of Archaeological Science</i> , 2010, 37, 174-177.	2.4	10
81	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
82	Protocol for Recording Enamel Hypoplasia in Modern and Archaeological Caprine Populations. <i>International Journal of Osteoarchaeology</i> , 2014, 24, 79-89.	1.2	9
83	Reply to Beavan, Bryant, and Storey and Matisoo-Smith: Ancestral Polynesian <i>mtDNA</i> haplotypes reflect authentic Pacific chicken lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3585-6.	7.1	9
84	Exploring <i>Rattus praetor</i> (Rodentia, Muridae) as a possible species complex using geometric morphometrics on dental morphology. <i>Mammalian Biology</i> , 2018, 92, 62-67.	1.5	9
85	Excavations on the Site of the Roman Signal Station At Carr Naze, Filey, 1993-1994. <i>Archaeological Journal</i> , 2000, 157, 79-199.	0.6	8
86	A History of Pig Domestication: New Ways of Exploring a Complex Process. , 0, , 39-48.		8
87	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
88	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
89	Spondylolysis and spinal adaptations for bipedalism. <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 35-44.	2.5	8
90	On the causes of perforations in archaeological domestic cattle skulls: New evidence. , 1999, 9, 74-75.		7

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91	The composition of the founding population of Iceland: A new perspective from 3D analyses of basicranial shape. PLoS ONE, 2021, 16, e0246059.	2.5	7
92	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
93	Potential adaptations for bipedalism in the thoracic and lumbar vertebrae of Homo sapiens: A 3D comparative analysis. Journal of Human Evolution, 2019, 137, 102693.	2.6	3
94	The York System: An integrated zooarchaeological database for research and teaching. Internet Archaeology, 2003, , .	0.4	3
95	A 3D basicranial shape-based assessment of local and continental northwest European ancestry among 5th to 9th century CE Anglo-Saxons. PLoS ONE, 2021, 16, e0252477.	2.5	2
96	A Match Made in Heaven or a Marriage of Convenience?. Environmental Science and Technology Library, 2001, , 149-175.	0.1	2
97	Vertebrate Zooarchaeology. , 2019, , 215-232.		0
98	georigins : A new method and r package for trait mapping and geographic provenancing of specimens without categorical constraints. Methods in Ecology and Evolution, 2020, 11, 1247-1257.	5.2	0
99	Acquired Spinal Conditions in Evolutionary Perspective: Updating a Classic Hypothesis. Biological Theory, 0, , .	1.5	0