

Eske Willerslev

List of Publications by Year in descending order

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Version: 2024-02-01

321
papers

53,082
citations

910

119
h-index

2108

210
g-index

350
all docs

350
docs citations

350
times ranked

44638
citing authors

#	ARTICLE	IF	CITATIONS
1	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017, 551, 457-463.	13.7	1,942
2	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014, 346, 1320-1331.	6.0	1,583
3	Environmental DNA – An emerging tool in conservation for monitoring past and present biodiversity. <i>Biological Conservation</i> , 2015, 183, 4-18.	1.9	1,421
4	Towards next-generation biodiversity assessment using DNA metabarcoding. <i>Molecular Ecology</i> , 2012, 21, 2045-2050.	2.0	1,253
5	Population genomics of Bronze Age Eurasia. <i>Nature</i> , 2015, 522, 167-172.	13.7	1,166
6	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014, 346, 1311-1320.	6.0	895
7	Monitoring endangered freshwater biodiversity using environmental DNA. <i>Molecular Ecology</i> , 2012, 21, 2565-2573.	2.0	882
8	Next-generation monitoring of aquatic biodiversity using environmental DNA metabarcoding. <i>Molecular Ecology</i> , 2016, 25, 929-942.	2.0	873
9	Power and limitations of the chloroplast trnL (UAA) intron for plant DNA barcoding. <i>Nucleic Acids Research</i> , 2007, 35, e14-e14.	6.5	842
10	Upper Palaeolithic Siberian genome reveals dual ancestry of Native Americans. <i>Nature</i> , 2014, 505, 87-91.	13.7	821
11	Ancient human genome sequence of an extinct Palaeo-Eskimo. <i>Nature</i> , 2010, 463, 757-762.	13.7	750
12	Detection of a Diverse Marine Fish Fauna Using Environmental DNA from Seawater Samples. <i>PLoS ONE</i> , 2012, 7, e41732.	1.1	747
13	Worldwide Phylogeography of Wild Boar Reveals Multiple Centers of Pig Domestication. <i>Science</i> , 2005, 307, 1618-1621.	6.0	729
14	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. <i>Nature</i> , 2013, 499, 74-78.	13.7	717
15	An Aboriginal Australian Genome Reveals Separate Human Dispersals into Asia. <i>Science</i> , 2011, 334, 94-98.	6.0	675
16	Review Paper. Ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 3-16.	1.2	610
17	Rise and Fall of the Beringian Steppe Bison. <i>Science</i> , 2004, 306, 1561-1565.	6.0	601
18	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , 2011, 479, 359-364.	13.7	586

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19	Diverse Plant and Animal Genetic Records from Holocene and Pleistocene Sediments. <i>Science</i> , 2003, 300, 791-795.	6.0	571
20	Tracing the peopling of the world through genomics. <i>Nature</i> , 2017, 541, 302-310.	13.7	562
21	Origins and Genetic Legacy of Neolithic Farmers and Hunter-Gatherers in Europe. <i>Science</i> , 2012, 336, 466-469.	6.0	507
22	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014, 506, 47-51.	13.7	505
23	The genome of a Late Pleistocene human from a Clovis burial site in western Montana. <i>Nature</i> , 2014, 506, 225-229.	13.7	500
24	Pathogens and host immunity in the ancient human oral cavity. <i>Nature Genetics</i> , 2014, 46, 336-344.	9.4	482
25	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, 4724-4733.	1.2	478
26	The Use of Coded PCR Primers Enables High-Throughput Sequencing of Multiple Homolog Amplification Products by 454 Parallel Sequencing. <i>PLoS ONE</i> , 2007, 2, e197.	1.1	453
27	Genomic evidence for the Pleistocene and recent population history of Native Americans. <i>Science</i> , 2015, 349, aab3884.	6.0	449
28	A genomic history of Aboriginal Australia. <i>Nature</i> , 2016, 538, 207-214.	13.7	439
29	Early Divergent Strains of <i>Yersinia pestis</i> in Eurasia 5,000 Years Ago. <i>Cell</i> , 2015, 163, 571-582.	13.5	425
30	Characterization of ancient and modern genomes by SNP detection and phylogenomic and metagenomic analysis using PALEOMIX. <i>Nature Protocols</i> , 2014, 9, 1056-1082.	5.5	403
31	Ancient Biomolecules from Deep Ice Cores Reveal a Forested Southern Greenland. <i>Science</i> , 2007, 317, 111-114.	6.0	393
32	Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears. <i>Cell</i> , 2014, 157, 785-794.	13.5	363
33	Postglacial viability and colonization in North America's ice-free corridor. <i>Nature</i> , 2016, 537, 45-49.	13.7	363
34	Genomic analyses inform on migration events during the peopling of Eurasia. <i>Nature</i> , 2016, 538, 238-242.	13.7	360
35	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. <i>Genome Research</i> , 2015, 25, 459-466.	2.4	348
36	Complete mitochondrial genome phylogeographic analysis of killer whales (<i>Orcinus orca</i>) indicates multiple species. <i>Genome Research</i> , 2010, 20, 908-916.	2.4	330

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37	Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European. <i>Nature</i> , 2014, 507, 225-228.	13.7	328
38	137 ancient human genomes from across the Eurasian steppes. <i>Nature</i> , 2018, 557, 369-374.	13.7	325
39	Radiation of Extant Cetaceans Driven by Restructuring of the Oceans. <i>Systematic Biology</i> , 2009, 58, 573-585.	2.7	315
40	Genomic Diversity and Admixture Differs for Stone-Age Scandinavian Foragers and Farmers. <i>Science</i> , 2014, 344, 747-750.	6.0	315
41	Terminal Pleistocene Alaskan genome reveals first founding population of Native Americans. <i>Nature</i> , 2018, 553, 203-207.	13.7	304
42	DNA metabarcodingâ€™Need for robust experimental designs to draw sound ecological conclusions. <i>Molecular Ecology</i> , 2019, 28, 1857-1862.	2.0	300
43	Environmental DNA from Seawater Samples Correlate with Trawl Catches of Subarctic, Deepwater Fishes. <i>PLoS ONE</i> , 2016, 11, e0165252.	1.1	296
44	Ancient and modern environmental DNA. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130383.	1.8	292
45	The prehistoric peopling of Southeast Asia. <i>Science</i> , 2018, 361, 88-92.	6.0	291
46	mapDamage: testing for damage patterns in ancient DNA sequences. <i>Bioinformatics</i> , 2011, 27, 2153-2155.	1.8	287
47	Glacial Survival of Boreal Trees in Northern Scandinavia. <i>Science</i> , 2012, 335, 1083-1086.	6.0	287
48	Genomic structure in Europeans dating back at least 36,200 years. <i>Science</i> , 2014, 346, 1113-1118.	6.0	287
49	Pulling out the 1%: Whole-Genome Capture for the Targeted Enrichment of Ancient DNA Sequencing Libraries. <i>American Journal of Human Genetics</i> , 2013, 93, 852-864.	2.6	284
50	DNA from Pre-Clovis Human Coprolites in Oregon, North America. <i>Science</i> , 2008, 320, 786-789.	6.0	283
51	Metaâ€barcoding of â€dirtâ€™ DNA from soil reflects vertebrate biodiversity. <i>Molecular Ecology</i> , 2012, 21, 1966-1979.	2.0	276
52	Ancient proteins resolve the evolutionary history of Darwinâ€™s South American ungulates. <i>Nature</i> , 2015, 522, 81-84.	13.7	273
53	The genetic prehistory of the New World Arctic. <i>Science</i> , 2014, 345, 1255832.	6.0	264
54	Ancient genomes show social and reproductive behavior of early Upper Paleolithic foragers. <i>Science</i> , 2017, 358, 659-662.	6.0	263

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55	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012, 21, 3647-3655.	2.0	262
56	The first horse herders and the impact of early Bronze Age steppe expansions into Asia. <i>Science</i> , 2018, 360, .	6.0	262
57	Prehistoric genomes reveal the genetic foundation and cost of horse domestication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5661-9.	3.3	260
58	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. <i>Molecular Ecology</i> , 2012, 21, 1821-1833.	2.0	259
59	The population history of northeastern Siberia since the Pleistocene. <i>Nature</i> , 2019, 570, 182-188.	13.7	259
60	Ancient Hybridization and an Irish Origin for the Modern Polar Bear Matriline. <i>Current Biology</i> , 2011, 21, 1251-1258.	1.8	257
61	Ancient DNA reveals late survival of mammoth and horse in interior Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22352-22357.	3.3	255
62	Ancient bacteria show evidence of DNA repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14401-14405.	3.3	249
63	Improving ancient DNA read mapping against modern reference genomes. <i>BMC Genomics</i> , 2012, 13, 178.	1.2	247
64	The ancestry and affiliations of Kennewick Man. <i>Nature</i> , 2015, 523, 455-458.	13.7	241
65	Ancient genomes revisit the ancestry of domestic and Przewalski's horses. <i>Science</i> , 2018, 360, 111-114.	6.0	241
66	<i>Plasmodium falciparum</i> erythrocyte membrane protein 1 domain cassettes 8 and 13 are associated with severe malaria in children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1791-800.	3.3	232
67	Isolation of nucleic acids and cultures from fossil ice and permafrost. <i>Trends in Ecology and Evolution</i> , 2004, 19, 141-147.	4.2	231
68	Genomic Diversity and Evolution of the Head Crest in the Rock Pigeon. <i>Science</i> , 2013, 339, 1063-1067.	6.0	230
69	Early human dispersals within the Americas. <i>Science</i> , 2018, 362, .	6.0	230
70	Population characteristics of a large whale shark aggregation inferred from seawater environmental DNA. <i>Nature Ecology and Evolution</i> , 2017, 1, 4.	3.4	223
71	Whole-Genome Shotgun Sequencing of Mitochondria from Ancient Hair Shafts. <i>Science</i> , 2007, 317, 1927-1930.	6.0	220
72	Characterization of Genetic Miscoding Lesions Caused by Postmortem Damage. <i>American Journal of Human Genetics</i> , 2003, 72, 48-61.	2.6	217

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73	Ancient DNA Reveals Lack of Continuity between Neolithic Hunter-Gatherers and Contemporary Scandinavians. <i>Current Biology</i> , 2009, 19, 1758-1762.	1.8	217
74	Clovis Age Western Stemmed Projectile Points and Human Coprolites at the Paisley Caves. <i>Science</i> , 2012, 337, 223-228.	6.0	211
75	Distribution Patterns of Postmortem Damage in Human Mitochondrial DNA. <i>American Journal of Human Genetics</i> , 2003, 72, 32-47.	2.6	210
76	Spatial and temporal distribution of mass loss from the Greenland Ice Sheet since AD 1900. <i>Nature</i> , 2015, 528, 396-400.	13.7	210
77	Ancient DNA analyses exclude humans as the driving force behind late Pleistocene musk ox (<i>Ovibos</i>) in the States of America, 2010, 107, 5675-5680.	3.3	208
78	Ancient DNA Chronology within Sediment Deposits: Are Paleobiological Reconstructions Possible and Is DNA Leaching a Factor?. <i>Molecular Biology and Evolution</i> , 2007, 24, 982-989.	3.5	202
79	Reconstructing ancient genomes and epigenomes. <i>Nature Reviews Genetics</i> , 2015, 16, 395-408.	7.7	197
80	Using next-generation sequencing for molecular reconstruction of past Arctic vegetation and climate. <i>Molecular Ecology Resources</i> , 2010, 10, 1009-1018.	2.2	196
81	Proteomic Analysis of a Pleistocene Mammoth Femur Reveals More than One Hundred Ancient Bone Proteins. <i>Journal of Proteome Research</i> , 2012, 11, 917-926.	1.8	196
82	Tracking Five Millennia of Horse Management with Extensive Ancient Genome Time Series. <i>Cell</i> , 2019, 177, 1419-1435.e31.	13.5	195
83	Long-term persistence of bacterial DNA. <i>Current Biology</i> , 2004, 14, R9-R10.	1.8	189
84	Ancient genomic changes associated with domestication of the horse. <i>Science</i> , 2017, 356, 442-445.	6.0	185
85	Paleo-Eskimo mtDNA Genome Reveals Matrilineal Discontinuity in Greenland. <i>Science</i> , 2008, 320, 1787-1789.	6.0	184
86	Speciation with gene flow in equids despite extensive chromosomal plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18655-18660.	3.3	183
87	Improving access to endogenous DNA in ancient bones and teeth. <i>Scientific Reports</i> , 2015, 5, 11184.	1.6	182
88	The Human Genome Project Reveals a Continuous Transfer of Large Mitochondrial Fragments to the Nucleus. <i>Molecular Biology and Evolution</i> , 2001, 18, 1833-1837.	3.5	175
89	Molecular Diet Analysis of Two African Free-Tailed Bats (<i>Molossidae</i>) Using High Throughput Sequencing. <i>PLoS ONE</i> , 2011, 6, e21441.	1.1	175
90	Statistical Assignment of DNA Sequences Using Bayesian Phylogenetics. <i>Systematic Biology</i> , 2008, 57, 750-757.	2.7	170

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91	Bacterial natural transformation by highly fragmented and damaged DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19860-19865.	3.3	170
92	Emergence and Spread of Basal Lineages of <i>Yersinia</i> <i>pestis</i> during the Neolithic Decline. <i>Cell</i> , 2019, 176, 295-305.e10.	13.5	168
93	Recharacterization of ancient DNA miscoding lesions: insights in the era of sequencing-by-synthesis. <i>Nucleic Acids Research</i> , 2006, 35, 1-10.	6.5	166
94	Genetic evidence for patrilocal mating behavior among Neandertal groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 250-253.	3.3	165
95	A 10,000-Year Record of Arctic Ocean Sea-Ice Variability—View from the Beach. <i>Science</i> , 2011, 333, 747-750.	6.0	162
96	Genome-wide nucleosome map and cytosine methylation levels of an ancient human genome. <i>Genome Research</i> , 2014, 24, 454-466.	2.4	161
97	Evolutionary Genomics and Conservation of the Endangered Przewalski's Horse. <i>Current Biology</i> , 2015, 25, 2577-2583.	1.8	161
98	Re-theorising mobility and the formation of culture and language among the Corded Ware Culture in Europe. <i>Antiquity</i> , 2017, 91, 334-347.	0.5	157
99	Ecological, morphological and genetic divergence of sympatric North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2009, 18, 5207-5217.	2.0	156
100	The Origin of Insects. <i>Science</i> , 2006, 314, 1883-1884.	6.0	155
101	Ancient hepatitis B viruses from the Bronze Age to the Medieval period. <i>Nature</i> , 2018, 557, 418-423.	13.7	155
102	Statistical Evidence for Miscoding Lesions in Ancient DNA Templates. <i>Molecular Biology and Evolution</i> , 2001, 18, 262-265.	3.5	151
103	Extreme reversed sexual size dimorphism in the extinct New Zealand moa <i>Dinornis</i> . <i>Nature</i> , 2003, 425, 172-175.	13.7	151
104	The evolutionary history of the extinct ratite moa and New Zealand Neogene paleogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20646-20651.	3.3	150
105	Screening mammal biodiversity using DNA from leeches. <i>Current Biology</i> , 2012, 22, R262-R263.	1.8	150
106	Geologically ancient DNA: fact or artefact?. <i>Trends in Microbiology</i> , 2005, 13, 212-220.	3.5	149
107	Intraspecific phylogenetic analysis of Siberian woolly mammoths using complete mitochondrial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8327-8332.	3.3	149
108	Beringian Paleoeecology Inferred from Permafrost-Preserved Fungal DNA. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1012-1017.	1.4	148

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109	Pre-Clovis Mastodon Hunting 13,800 Years Ago at the Manis Site, Washington. <i>Science</i> , 2011, 334, 351-353.	6.0	148
110	A comparative study of ancient sedimentary DNA, pollen and microfossils from permafrost sediments of northern Siberia reveals long-term vegetational stability. <i>Molecular Ecology</i> , 2012, 21, 1989-2003.	2.0	144
111	Ancient mitochondrial DNA from hair. <i>Current Biology</i> , 2004, 14, R463-R464.	1.8	143
112	Population genomics of the Viking world. <i>Nature</i> , 2020, 585, 390-396.	13.7	143
113	Evolution, Systematics, and Phylogeography of Pleistocene Horses in the New World: A Molecular Perspective. <i>PLoS Biology</i> , 2005, 3, e241.	2.6	142
114	Ancient genomics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130387.	1.8	142
115	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018, 361, 81-85.	6.0	140
116	Tracking the origins of Yakutian horses and the genetic basis for their fast adaptation to subarctic environments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6889-97.	3.3	139
117	The origin and evolution of maize in the Southwestern United States. <i>Nature Plants</i> , 2015, 1, 14003.	4.7	138
118	Comparing Ancient DNA Preservation in Petrous Bone and Tooth Cementum. <i>PLoS ONE</i> , 2017, 12, e0170940.	1.1	136
119	Nuclear Gene Indicates Coat-Color Polymorphism in Mammoths. <i>Science</i> , 2006, 313, 62-62.	6.0	135
120	Early Pleistocene enamel proteome from Dmanisi resolves <i>Stephanorhinus</i> phylogeny. <i>Nature</i> , 2019, 574, 103-107.	13.7	135
121	A time transect of exomes from a Native American population before and after European contact. <i>Nature Communications</i> , 2016, 7, 13175.	5.8	134
122	The Genetic Origins of the Andaman Islanders. <i>American Journal of Human Genetics</i> , 2003, 72, 178-184.	2.6	133
123	Ancient DNA analysis. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	133
124	Bayesian Inference of the Metazoan Phylogeny. <i>Current Biology</i> , 2004, 14, 1644-1649.	1.8	132
125	DNA in ancient bone – Where is it located and how should we extract it?. <i>Annals of Anatomy</i> , 2012, 194, 7-16.	1.0	132
126	Physiological and Genetic Adaptations to Diving in Sea Nomads. <i>Cell</i> , 2018, 173, 569-580.e15.	13.5	129

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127	Genome-Wide Analysis of Cold Adaptation in Indigenous Siberian Populations. PLoS ONE, 2014, 9, e98076.	1.1	128
128	Phylogenomics and Morphology of Extinct Paleognaths Reveal the Origin and Evolution of the Ratites. Current Biology, 2017, 27, 68-77.	1.8	123
129	Lake Sedimentary DNA Research on Past Terrestrial and Aquatic Biodiversity: Overview and Recommendations. Quaternary, 2021, 4, 6.	1.0	121
130	Blocking human contaminant DNA during PCR allows amplification of rare mammal species from sedimentary ancient DNA. Molecular Ecology, 2012, 21, 1806-1815.	2.0	120
131	A Selective Sweep on a Deleterious Mutation in CPT1A in Arctic Populations. American Journal of Human Genetics, 2014, 95, 584-589.	2.6	119
132	Unraveling ancestry, kinship, and violence in a Late Neolithic mass grave. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10705-10710.	3.3	119
133	Fungal palaeodiversity revealed using high-throughput metabarcoding of ancient <scp>DNA</scp> from arctic permafrost. Environmental Microbiology, 2013, 15, 1176-1189.	1.8	115
134	Evidence of human occupation in Mexico around the Last Glacial Maximum. Nature, 2020, 584, 87-92.	13.7	115
135	More on Contamination: The Use of Asymmetric Molecular Behavior to Identify Authentic Ancient Human DNA. Molecular Biology and Evolution, 2007, 24, 998-1004.	3.5	114
136	True single-molecule DNA sequencing of a pleistocene horse bone. Genome Research, 2011, 21, 1705-1719.	2.4	114
137	Tracing the dynamic life story of a Bronze Age Female. Scientific Reports, 2015, 5, 10431.	1.6	112
138	Evaluating the impact of domestication and captivity on the horse gut microbiome. Scientific Reports, 2017, 7, 15497.	1.6	112
139	Extensive Farming in Estonia Started through a Sex-Biased Migration from the Steppe. Current Biology, 2017, 27, 2185-2193.e6.	1.8	111
140	Genome-wide ancestry of 17th-century enslaved Africans from the Caribbean. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3669-3673.	3.3	110
141	Contaminating viral sequences in high-throughput sequencing viromics: a linkage study of 700 sequencing libraries. Clinical Microbiology and Infection, 2019, 25, 1277-1285.	2.8	109
142	Diverse variola virus (smallpox) strains were widespread in northern Europe in the Viking Age. Science, 2020, 369, .	6.0	108
143	Application and comparison of large-scale solution-based DNA capture-enrichment methods on ancient DNA. Scientific Reports, 2011, 1, 74.	1.6	106
144	Diversity of Holocene life forms in fossil glacier ice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8017-8021.	3.3	105

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145	Fossil avian eggshell preserves ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1991-2000.	1.2	103
146	Reconstructing genome evolution in historic samples of the Irish potato famine pathogen. <i>Nature Communications</i> , 2013, 4, 2172.	5.8	103
147	Crosslinks Rather Than Strand Breaks Determine Access to Ancient DNA Sequences From Frozen Sediments. <i>Genetics</i> , 2006, 173, 1175-1179.	1.2	100
148	Ancient individuals from the North American Northwest Coast reveal 10,000 years of regional genetic continuity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4093-4098.	3.3	100
149	The dental proteome of <i>Homo antecessor</i> . <i>Nature</i> , 2020, 580, 235-238.	13.7	100
150	Non-Destructive Sampling of Ancient Insect DNA. <i>PLoS ONE</i> , 2009, 4, e5048.	1.1	99
151	A comparative study of ancient environmental DNA to pollen and macrofossils from lake sediments reveals taxonomic overlap and additional plant taxa. <i>Quaternary Science Reviews</i> , 2013, 75, 161-168.	1.4	99
152	High-throughput sequencing of core STR loci for forensic genetic investigations using the Roche Genome Sequencer FLX platform. <i>BioTechniques</i> , 2011, 51, 127-133.	0.8	98
153	Positive selection on the killer whale mitogenome. <i>Biology Letters</i> , 2011, 7, 116-118.	1.0	97
154	Variola Virus in a 300-Year-Old Siberian Mummy. <i>New England Journal of Medicine</i> , 2012, 367, 2057-2059.	13.9	97
155	A large impact crater beneath Hiawatha Glacier in northwest Greenland. <i>Science Advances</i> , 2018, 4, eaar8173.	4.7	97
156	Assessing the Fidelity of Ancient DNA Sequences Amplified From Nuclear Genes. <i>Genetics</i> , 2006, 172, 733-741.	1.2	95
157	Identification of microsatellites from an extinct moa species using high-throughput (454) sequence data. <i>BioTechniques</i> , 2009, 46, 195-200.	0.8	94
158	Environmental DNA for improved detection and environmental surveillance of schistosomiasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8931-8940.	3.3	94
159	Biochemical and physical correlates of DNA contamination in archaeological human bones and teeth excavated at Matera, Italy. <i>Journal of Archaeological Science</i> , 2005, 32, 785-793.	1.2	92
160	Analysis of complete mitochondrial genomes from extinct and extant rhinoceroses reveals lack of phylogenetic resolution. <i>BMC Evolutionary Biology</i> , 2009, 9, 95.	3.2	92
161	Selection in Europeans on Fatty Acid Desaturases Associated with Dietary Changes. <i>Molecular Biology and Evolution</i> , 2017, 34, 1307-1318.	3.5	90
162	Damage and repair of ancient DNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 571, 265-276.	0.4	89

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163	Lake sediment multi-taxon DNA from North Greenland records early post-glacial appearance of vascular plants and accurately tracks environmental changes. <i>Quaternary Science Reviews</i> , 2015, 117, 152-163.	1.4	88
164	Rodents of the Caribbean: origin and diversification of hutias unravelled by next-generation museomics. <i>Biology Letters</i> , 2014, 10, 20140266.	1.0	87
165	Genetic differentiation among North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2011, 20, 629-641.	2.0	86
166	One Hundred Twenty Years of Koala Retrovirus Evolution Determined from Museum Skins. <i>Molecular Biology and Evolution</i> , 2013, 30, 299-304.	3.5	85
167	gargammel: a sequence simulator for ancient DNA. <i>Bioinformatics</i> , 2017, 33, 577-579.	1.8	85
168	Molecular- and pollen-based vegetation analysis in lake sediments from central Scandinavia. <i>Molecular Ecology</i> , 2013, 22, 3511-3524.	2.0	84
169	Mitogenome sequencing reveals shallow evolutionary histories and recent divergence time between morphologically and ecologically distinct European whitefish (<i>Coregonus</i> spp.). <i>Molecular Ecology</i> , 2012, 21, 2727-2742.	2.0	83
170	A multidisciplinary study of archaeological grape seeds. <i>Die Naturwissenschaften</i> , 2010, 97, 205-217.	0.6	82
171	Partial Genetic Turnover in Neandertals: Continuity in the East and Population Replacement in the West. <i>Molecular Biology and Evolution</i> , 2012, 29, 1893-1897.	3.5	82
172	Aerial Photographs Reveal Late-20th-Century Dynamic Ice Loss in Northwestern Greenland. <i>Science</i> , 2012, 337, 569-573.	6.0	81
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