

Eske Willerslev

List of Publications by Citations

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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.

330
papers

37,781
citations

108
h-index

187
g-index

350
ext. papers

47,335
ext. citations

14.9
avg, IF

6.94
L-index

#	Paper	IF	Citations
330	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014 , 346, 1320-31	33.3	1182
329	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076
328	Towards next-generation biodiversity assessment using DNA metabarcoding. <i>Molecular Ecology</i> , 2012 , 21, 2045-50	5.7	856
327	Environmental DNA [An emerging tool in conservation for monitoring past and present biodiversity. <i>Biological Conservation</i> , 2015 , 183, 4-18	6.2	854
326	Population genomics of Bronze Age Eurasia. <i>Nature</i> , 2015 , 522, 167-72	50.4	827
325	Monitoring endangered freshwater biodiversity using environmental DNA. <i>Molecular Ecology</i> , 2012 , 21, 2565-73	5.7	669
324	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014 , 346, 1311-20	33.3	628
323	Power and limitations of the chloroplast trnL (UAA) intron for plant DNA barcoding. <i>Nucleic Acids Research</i> , 2007 , 35, e14	20.1	603
322	Upper Palaeolithic Siberian genome reveals dual ancestry of Native Americans. <i>Nature</i> , 2014 , 505, 87-91	50.4	581
321	Worldwide phylogeography of wild boar reveals multiple centers of pig domestication. <i>Science</i> , 2005 , 307, 1618-21	33.3	576
320	Ancient human genome sequence of an extinct Palaeo-Eskimo. <i>Nature</i> , 2010 , 463, 757-62	50.4	567
319	Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene horse. <i>Nature</i> , 2013 , 499, 74-8	50.4	563
318	An Aboriginal Australian genome reveals separate human dispersals into Asia. <i>Science</i> , 2011 , 334, 94-8	33.3	528
317	Next-generation monitoring of aquatic biodiversity using environmental DNA metabarcoding. <i>Molecular Ecology</i> , 2016 , 25, 929-42	5.7	526
316	Detection of a diverse marine fish fauna using environmental DNA from seawater samples. <i>PLoS ONE</i> , 2012 , 7, e41732	3.7	524
315	Rise and fall of the Beringian steppe bison. <i>Science</i> , 2004 , 306, 1561-5	33.3	518
314	Ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 3-16	4.4	515

313	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , 2011 , 479, 359-64	50.4	483
312	Diverse plant and animal genetic records from Holocene and Pleistocene sediments. <i>Science</i> , 2003 , 300, 791-5	33.3	424
311	Origins and genetic legacy of Neolithic farmers and hunter-gatherers in Europe. <i>Science</i> , 2012 , 336, 466-9	33.3	410
310	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	3.7	402
309	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
308	Pathogens and host immunity in the ancient human oral cavity. <i>Nature Genetics</i> , 2014 , 46, 336-44	36.3	353
307	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014 , 506, 47-51	50.4	351
306	Tracing the peopling of the world through genomics. <i>Nature</i> , 2017 , 541, 302-310	50.4	338
305	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
304	Ancient biomolecules from deep ice cores reveal a forested southern Greenland. <i>Science</i> , 2007 , 317, 111-4	33.3	319
303	POPULATION GENETICS. Genomic evidence for the Pleistocene and recent population history of Native Americans. <i>Science</i> , 2015 , 349, aab3884	33.3	317
302	Early divergent strains of <i>Yersinia pestis</i> in Eurasia 5,000 years ago. <i>Cell</i> , 2015 , 163, 571-82	56.2	294
301	Complete mitochondrial genome phylogeographic analysis of killer whales (<i>Orcinus orca</i>) indicates multiple species. <i>Genome Research</i> , 2010 , 20, 908-16	9.7	274
300	A genomic history of Aboriginal Australia. <i>Nature</i> , 2016 , 538, 207-214	50.4	268
299	Radiation of extant cetaceans driven by restructuring of the oceans. <i>Systematic Biology</i> , 2009 , 58, 573-85	33.4	263
298	Population genomics reveal recent speciation and rapid evolutionary adaptation in polar bears. <i>Cell</i> , 2014 , 157, 785-94	56.2	242
297	Glacial survival of boreal trees in northern Scandinavia. <i>Science</i> , 2012 , 335, 1083-6	33.3	239
296	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. <i>Genome Research</i> , 2015 , 25, 459-66	9.7	235

295	Derived immune and ancestral pigmentation alleles in a 7,000-year-old Mesolithic European. <i>Nature</i> , 2014 , 507, 225-8	50.4	235
294	Genomic analyses inform on migration events during the peopling of Eurasia. <i>Nature</i> , 2016 , 538, 238-242	50.4	234
293	Genomic diversity and admixture differs for Stone-Age Scandinavian foragers and farmers. <i>Science</i> , 2014 , 344, 747-50	33.3	232
292	Paleogenomics. Genomic structure in Europeans dating back at least 36,200 years. <i>Science</i> , 2014 , 346, 1113-8	33.3	232
291	Characterization of ancient and modern genomes by SNP detection and phylogenomic and metagenomic analysis using PALEOMIX. <i>Nature Protocols</i> , 2014 , 9, 1056-82	18.8	231
290	DNA from pre-Clovis human coprolites in Oregon, North America. <i>Science</i> , 2008 , 320, 786-9	33.3	225
289	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, 852-64	11	221
288	Postglacial viability and colonization in North America's ice-free corridor. <i>Nature</i> , 2016 , 537, 45-49	50.4	213
287	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015 , 522, 81-4	50.4	210
286	mapDamage: testing for damage patterns in ancient DNA sequences. <i>Bioinformatics</i> , 2011 , 27, 2153-5	7.2	209
285	The genetic prehistory of the New World Arctic. <i>Science</i> , 2014 , 345, 1255832	33.3	204
284	Ancient bacteria show evidence of DNA repair. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14401-5	11.5	204
283	Ancient hybridization and an Irish origin for the modern polar bear matriline. <i>Current Biology</i> , 2011 , 21, 1251-8	6.3	203
282	Isolation of nucleic acids and cultures from fossil ice and permafrost. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 141-7	10.9	203
281	137 ancient human genomes from across the Eurasian steppes. <i>Nature</i> , 2018 , 557, 369-374	50.4	197
280	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	11.5	197
279	Characterization of genetic miscoding lesions caused by postmortem damage. <i>American Journal of Human Genetics</i> , 2003 , 72, 48-61	11	193
278	Plasmodium falciparum 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	11.5	192

277	Whole-genome shotgun sequencing of mitochondria from ancient hair shafts. <i>Science</i> , 2007 , 317, 1927-30	33.3	191
276	Ancient and modern environmental DNA. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130383	5.8	184
275	Meta-barcoding of 'dirt' DNA from soil reflects vertebrate biodiversity. <i>Molecular Ecology</i> , 2012 , 21, 1966-79	5.7	180
274	Terminal Pleistocene Alaskan genome reveals first founding population of Native Americans. <i>Nature</i> , 2018 , 553, 203-207	50.4	178
273	Improving ancient DNA read mapping against modern reference genomes. <i>BMC Genomics</i> , 2012 , 13, 1784-5	4.5	178
272	Distribution patterns of postmortem damage in human mitochondrial DNA. <i>American Journal of Human Genetics</i> , 2003 , 72, 32-47	11	178
271	Ancient DNA reveals lack of continuity between neolithic hunter-gatherers and contemporary Scandinavians. <i>Current Biology</i> , 2009 , 19, 1758-62	6.3	177
270	Ancient DNA analyses exclude humans as the driving force behind late Pleistocene musk ox (<i>Ovibos moschatus</i>) population dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 5675-80	11.5	175
269	The prehistoric peopling of Southeast Asia. <i>Science</i> , 2018 , 361, 88-92	33.3	174
268	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012 , 21, 3647-55	5.7	170
267	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, 22352-7	11.5	170
266	Genomic diversity and evolution of the head crest in the rock pigeon. <i>Science</i> , 2013 , 339, 1063-7	33.3	169
265	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. <i>Molecular Ecology</i> , 2012 , 21, 1821-33	5.7	166
264	Environmental DNA from Seawater Samples Correlate with Trawl Catches of Subarctic, Deepwater Fishes. <i>PLoS ONE</i> , 2016 , 11, e0165252	3.7	166
263	Long-term persistence of bacterial DNA. <i>Current Biology</i> , 2004 , 14, R9-10	6.3	164
262	The first horse herders and the impact of early Bronze Age steppe expansions into Asia. <i>Science</i> , 2018 , 360,	33.3	162
261	Spatial and temporal distribution of mass loss from the Greenland Ice Sheet since AD 1900. <i>Nature</i> , 2015 , 528, 396-400	50.4	162
260	Ancient genomes show social and reproductive behavior of early Upper Paleolithic foragers. <i>Science</i> , 2017 , 358, 659-662	33.3	160

259	The ancestry and affiliations of Kennewick Man. <i>Nature</i> , 2015 , 523, 455-458	50.4	157
258	Molecular diet analysis of two african free-tailed bats (molossidae) using high throughput sequencing. <i>PLoS ONE</i> , 2011 , 6, e21441	3.7	154
257	Ancient genomes revisit the ancestry of domestic and Przewalski's horses. <i>Science</i> , 2018 , 360, 111-114	33.3	153
256	Reconstructing ancient genomes and epigenomes. <i>Nature Reviews Genetics</i> , 2015 , 16, 395-408	30.1	151
255	Statistical assignment of DNA sequences using Bayesian phylogenetics. <i>Systematic Biology</i> , 2008 , 57, 750-7	8.4	151
254	The Human Genome Project reveals a continuous transfer of large mitochondrial fragments to the nucleus. <i>Molecular Biology and Evolution</i> , 2001 , 18, 1833-7	8.3	151
253	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
252	Clovis age Western Stemmed projectile points and human coprolites at the Paisley Caves. <i>Science</i> , 2012 , 337, 223-8	33.3	150
251	Ancient genomic changes associated with domestication of the horse. <i>Science</i> , 2017 , 356, 442-445	33.3	149
250	Paleo-Eskimo mtDNA genome reveals matrilineal discontinuity in Greenland. <i>Science</i> , 2008 , 320, 1787-9	33.3	146
249	Ancient DNA chronology within sediment deposits: are paleobiological reconstructions possible and is DNA leaching a factor?. <i>Molecular Biology and Evolution</i> , 2007 , 24, 982-9	8.3	145
248	Evolution. The origin of insects. <i>Science</i> , 2006 , 314, 1883-4	33.3	142
247	Using next-generation sequencing for molecular reconstruction of past Arctic vegetation and climate. <i>Molecular Ecology Resources</i> , 2010 , 10, 1009-18	8.4	141
246	Population characteristics of a large whale shark aggregation inferred from seawater environmental DNA. <i>Nature Ecology and Evolution</i> , 2016 , 1, 4	12.3	140
245	Ecological, morphological and genetic divergence of sympatric North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2009 , 18, 5207-17	5.7	140
244	Statistical evidence for miscoding lesions in ancient DNA templates. <i>Molecular Biology and Evolution</i> , 2001 , 18, 262-5	8.3	139
243	The population history of northeastern Siberia since the Pleistocene. <i>Nature</i> , 2019 , 570, 182-188	50.4	137
242	Genetic evidence for patrilocality among Neandertal groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 250-3	11.5	136

241	Recharacterization of ancient DNA miscoding lesions: insights in the era of sequencing-by-synthesis. <i>Nucleic Acids Research</i> , 2007 , 35, 1-10	20.1	136
240	Improving access to endogenous DNA in ancient bones and teeth. <i>Scientific Reports</i> , 2015 , 5, 11184	4.9	135
239	A 10,000-year record of Arctic Ocean sea-ice variability--view from the beach. <i>Science</i> , 2011 , 333, 747-50	33.3	134
238	Extreme reversed sexual size dimorphism in the extinct New Zealand moa <i>Dinornis</i> . <i>Nature</i> , 2003 , 425, 172-5	50.4	134
237	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, 18655-60	11.5	133
236	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, 20646-51	11.5	131
235	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, 8327-32	11.5	130
234	Pre-Clovis mastodon hunting 13,800 years ago at the Manis site, Washington. <i>Science</i> , 2011 , 334, 351-3	33.3	129
233	Geologically ancient DNA: fact or artefact?. <i>Trends in Microbiology</i> , 2005 , 13, 212-20	12.4	125
232	Beringian paleoecology inferred from permafrost-preserved fungal DNA. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1012-7	4.8	121
231	Early human dispersals within the Americas. <i>Science</i> , 2018 , 362,	33.3	118
230	Evolutionary Genomics and Conservation of the Endangered Przewalski's Horse. <i>Current Biology</i> , 2015 , 25, 2577-83	6.3	115
229	Genome-wide nucleosome map and cytosine methylation levels of an ancient human genome. <i>Genome Research</i> , 2014 , 24, 454-66	9.7	113
228	Ancient hepatitis B viruses from the Bronze Age to the Medieval period. <i>Nature</i> , 2018 , 557, 418-423	50.4	112
227	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, 19860-5	11.5	111
226	Evolution, systematics, and phylogeography of pleistocene horses in the new world: a molecular perspective. <i>PLoS Biology</i> , 2005 , 3, e241	9.7	111
225	Tracking Five Millennia of Horse Management with Extensive Ancient Genome Time Series. <i>Cell</i> , 2019 , 177, 1419-1435.e31	56.2	110
224	Nuclear gene indicates coat-color polymorphism in mammoths. <i>Science</i> , 2006 , 313, 62	33.3	110

223	Re-theorising mobility and the formation of culture and language among the Corded Ware Culture in Europe. <i>Antiquity</i> , 2017 , 91, 334-347	1	108
222	The genetic origins of the Andaman Islanders. <i>American Journal of Human Genetics</i> , 2003 , 72, 178-84	11	108
221	Ancient genomics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130387	3.87	107
220	Screening mammal biodiversity using DNA from leeches. <i>Current Biology</i> , 2012 , 22, R262-3	6.3	105
219	Ancient mitochondrial DNA from hair. <i>Current Biology</i> , 2004 , 14, R463-4	6.3	105
218	DNA in ancient bone - where is it located and how should we extract it?. <i>Annals of Anatomy</i> , 2012 , 194, 7-16	2.9	104
217	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	5.7	103
216	More on contamination: the use of asymmetric molecular behavior to identify authentic ancient human DNA. <i>Molecular Biology and Evolution</i> , 2007 , 24, 998-1004	8.3	103
215	Comparing Ancient DNA Preservation in Petrous Bone and Tooth Cementum. <i>PLoS ONE</i> , 2017 , 12, e0170940	3.7	101
214	Bayesian inference of the metazoan phylogeny; a combined molecular and morphological approach. <i>Current Biology</i> , 2004 , 14, 1644-9	6.3	100
213	The origin and evolution of maize in the Southwestern United States. <i>Nature Plants</i> , 2015 , 1, 14003	11.5	99
212	True single-molecule DNA sequencing of a pleistocene horse bone. <i>Genome Research</i> , 2011 , 21, 1705-19	9.7	99
211	Diversity of Holocene life forms in fossil glacier ice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8017-21	11.5	96
210	Fungal palaeodiversity revealed using high-throughput metabarcoding of ancient DNA from arctic permafrost. <i>Environmental Microbiology</i> , 2013 , 15, 1176-89	5.2	93
209	Emergence and Spread of Basal Lineages of <i>Yersinia pestis</i> during the Neolithic Decline. <i>Cell</i> , 2019 , 176, 295-305.e10	56.2	93
208	Identification of microsatellites from an extinct moa species using high-throughput (454) sequence data. <i>BioTechniques</i> , 2009 , 46, 195-200	2.5	91
207	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	11.5	89
206	Positive selection on the killer whale mitogenome. <i>Biology Letters</i> , 2011 , 7, 116-8	3.6	87

205	Application and comparison of large-scale solution-based DNA capture-enrichment methods on ancient DNA. <i>Scientific Reports</i> , 2011 , 1, 74	4.9	87
204	Phylogenomics and Morphology of Extinct Paleognaths Reveal the Origin and Evolution of the Ratites. <i>Current Biology</i> , 2017 , 27, 68-77	6.3	86
203	A Selective Sweep on a Deleterious Mutation in CPT1A in Arctic Populations. <i>American Journal of Human Genetics</i> , 2014 , 95, 584-589	11	86
202	Fossil avian eggshell preserves ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1991-2000	4.4	86
201	High-throughput sequencing of core STR loci for forensic genetic investigations using the Roche Genome Sequencer FLX platform. <i>BioTechniques</i> , 2011 , 51, 127-33	2.5	85
200	Assessing the fidelity of ancient DNA sequences amplified from nuclear genes. <i>Genetics</i> , 2006 , 172, 733-41		85
199	Crosslinks rather than strand breaks determine access to ancient DNA sequences from frozen sediments. <i>Genetics</i> , 2006 , 173, 1175-9	4	85
198	Genome-wide analysis of cold adaptation in indigenous Siberian populations. <i>PLoS ONE</i> , 2014 , 9, e980763.7		84
197	Physiological and Genetic Adaptations to Diving in Sea Nomads. <i>Cell</i> , 2018 , 173, 569-580.e15	56.2	82
196	Genome-wide ancestry of 17th-century enslaved Africans from the Caribbean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3669-73	11.5	82
195	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	2.9	82
194	Extensive Farming in Estonia Started through a Sex-Biased Migration from the Steppe. <i>Current Biology</i> , 2017 , 27, 2185-2193.e6	6.3	80
193	Reconstructing genome evolution in historic samples of the Irish potato famine pathogen. <i>Nature Communications</i> , 2013 , 4, 2172	17.4	79
192	One Hundred Twenty Years of Koala Retrovirus Evolution Determined from Museum Skins. <i>Molecular Biology and Evolution</i> , 2013 , 30, 1237-1237	8.3	78
191	Reply to Vigilant and Langergraber: Patrilocality in Neandertals is still the most plausible explanation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E88-E88	11.5	78
190	Tracing the dynamic life story of a Bronze Age Female. <i>Scientific Reports</i> , 2015 , 5, 10431	4.9	77
189	Analysis of complete mitochondrial genomes from extinct and extant rhinoceroses reveals lack of phylogenetic resolution. <i>BMC Evolutionary Biology</i> , 2009 , 9, 95	3	77
188	Non-destructive sampling of ancient insect DNA. <i>PLoS ONE</i> , 2009 , 4, e5048	3.7	75

187	Damage and repair of ancient DNA. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005 , 571, 265-76	3.3	75
186	A time transect of exomes from a Native American population before and after European contact. <i>Nature Communications</i> , 2016 , 7, 13175	17.4	74
185	Genetic differentiation among North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2011 , 20, 629-47	3.7	73
184	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018 , 361, 81-85	33.3	73
183	Blocking human contaminant DNA during PCR allows amplification of rare mammal species from sedimentary ancient DNA. <i>Molecular Ecology</i> , 2012 , 21, 1806-15	5.7	72
182	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	3.9	72
181	Rodents of the Caribbean: origin and diversification of hutias unravelled by next-generation museomics. <i>Biology Letters</i> , 2014 , 10,	3.6	71
180	Variola virus in a 300-year-old Siberian mummy. <i>New England Journal of Medicine</i> , 2012 , 367, 2057-9	59.2	71
179	Early Pleistocene enamel proteome from Dmanisi resolves <i>Stephanorhinus</i> phylogeny. <i>Nature</i> , 2019 , 574, 103-107	50.4	70
178	Aerial photographs reveal late-20th-century dynamic ice loss in northwestern Greenland. <i>Science</i> , 2012 , 337, 569-73	33.3	70
177	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, 2727-42	5.7	67
176	Molecular- and pollen-based vegetation analysis in lake sediments from central Scandinavia. <i>Molecular Ecology</i> , 2013 , 22, 3511-24	5.7	65
175	One hundred twenty years of koala retrovirus evolution determined from museum skins. <i>Molecular Biology and Evolution</i> , 2013 , 30, 299-304	8.3	65
174	Mitogenomic phylogenetic analyses of the Delphinidae with an emphasis on the Globicephalinae. <i>BMC Evolutionary Biology</i> , 2011 , 11, 65	3	65
173	A multidisciplinary study of archaeological grape seeds. <i>Die Naturwissenschaften</i> , 2010 , 97, 205-17	2	65
172	Evaluating the impact of domestication and captivity on the horse gut microbiome. <i>Scientific Reports</i> , 2017 , 7, 15497	4.9	64
171	Two ancient human genomes reveal Polynesian ancestry among the indigenous Botocudos of Brazil. <i>Current Biology</i> , 2014 , 24, R1035-7	6.3	62
170	Discovery of lost diversity of paternal horse lineages using ancient DNA. <i>Nature Communications</i> , 2011 , 2, 450	17.4	62

169	Partial genetic turnover in neandertals: continuity in the East and population replacement in the West. <i>Molecular Biology and Evolution</i> , 2012 , 29, 1893-7	8.3	59
168	New data from an enigmatic phylum: evidence from molecular sequence data supports a sister-group relationship between Loricifera and Nematomorpha. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2008 , 46, 231-239	1.9	59
167	Evidence of human occupation in Mexico around the Last Glacial Maximum. <i>Nature</i> , 2020 , 584, 87-92	50.4	58
166	Contaminating viral sequences in high-throughput sequencing viromics: a linkage study of 700 sequencing libraries. <i>Clinical Microbiology and Infection</i> , 2019 , 25, 1277-1285	9.5	57
165	Ligation bias in illumina next-generation DNA libraries: implications for sequencing ancient genomes. <i>PLoS ONE</i> , 2013 , 8, e78575	3.7	57
164	Fast phylogenetic DNA barcoding. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 3997-4002	5.8	57
163	Unraveling ancestry, kinship, and violence in a Late Neolithic mass grave. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10705-10710	11.5	56
162	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	11.5	54
161	Islands in the ice: detecting past vegetation on Greenlandic nunataks using historical records and sedimentary ancient DNA meta-barcoding. <i>Molecular Ecology</i> , 2012 , 21, 1980-8	5.7	54
160	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	3.9	53
159	Ancient DNA reveals that bowhead whale lineages survived Late Pleistocene climate change and habitat shifts. <i>Nature Communications</i> , 2013 , 4, 1677	17.4	53
158	Evolutionary Patterns and Processes: Lessons from Ancient DNA. <i>Systematic Biology</i> , 2017 , 66, e1-e29	8.4	53
157	A large impact crater beneath Hiawatha Glacier in northwest Greenland. <i>Science Advances</i> , 2018 , 4, eaar8173	81.73	53
156	Human origins and ancient human DNA. <i>Science</i> , 2001 , 292, 1655-6	33.3	52
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