

# M Thomas P Gilbert

## List of Publications by Year in descending order

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Version: 2024-02-01

406  
papers

44,946  
citations

1697

104  
h-index

3257

185  
g-index

445  
all docs

445  
docs citations

445  
times ranked

38459  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021, 592, 737-746.	13.7	1,139
3	Environmental DNA for wildlife biology and biodiversity monitoring. <i>Trends in Ecology and Evolution</i> , 2014, 29, 358-367.	4.2	920
4	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014, 346, 1311-1320.	6.0	895
5	Monitoring endangered freshwater biodiversity using environmental DNA. <i>Molecular Ecology</i> , 2012, 21, 2565-2573.	2.0	882
6	Ancient human genome sequence of an extinct Palaeo-Eskimo. <i>Nature</i> , 2010, 463, 757-762.	13.7	750
7	Recalibrating <i>Equus</i> evolution using the genome sequence of an early Middle Pleistocene horse. <i>Nature</i> , 2013, 499, 74-78.	13.7	717
8	An Aboriginal Australian Genome Reveals Separate Human Dispersals into Asia. <i>Science</i> , 2011, 334, 94-98.	6.0	675
9	Earth BioGenome Project: Sequencing life for the future of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4325-4333.	3.3	652
10	Rise and Fall of the Beringian Steppe Bison. <i>Science</i> , 2004, 306, 1561-1565.	6.0	601
11	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.	3.3	594
12	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , 2011, 479, 359-364.	13.7	586
13	Diverse Plant and Animal Genetic Records from Holocene and Pleistocene Sediments. <i>Science</i> , 2003, 300, 791-795.	6.0	571
14	Assessing ancient DNA studies. <i>Trends in Ecology and Evolution</i> , 2005, 20, 541-544.	4.2	525
15	Origins and Genetic Legacy of Neolithic Farmers and Hunter-Gatherers in Europe. <i>Science</i> , 2012, 336, 466-469.	6.0	507
16	Fifty thousand years of Arctic vegetation and megafaunal diet. <i>Nature</i> , 2014, 506, 47-51.	13.7	505
17	Direct evidence of extensive diversity of HIV-1 in Kinshasa by 1960. <i>Nature</i> , 2008, 455, 661-664.	13.7	489
18	Pathogens and host immunity in the ancient human oral cavity. <i>Nature Genetics</i> , 2014, 46, 336-344.	9.4	482

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19	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
20	Genetic Evidence for Local Retention of Pelagic Larvae in a Caribbean Reef Fish. <i>Science</i> , 2003, 299, 107-109.	6.0	467
21	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
22	Tag jumps illuminated “reducing sequence-to-sample misidentifications in metabarcoding studies. <i>Molecular Ecology Resources</i> , 2015, 15, 1289-1303.	2.2	429
23	Scrutinizing key steps for reliable metabarcoding of environmental samples. <i>Methods in Ecology and Evolution</i> , 2018, 9, 134-147.	2.2	425
24	Ancient Biomolecules from Deep Ice Cores Reveal a Forested Southern Greenland. <i>Science</i> , 2007, 317, 111-114.	6.0	393
25	Convergent evolution of the genomes of marine mammals. <i>Nature Genetics</i> , 2015, 47, 272-275.	9.4	392
26	Recent Asian origin of chytrid fungi causing global amphibian declines. <i>Science</i> , 2018, 360, 621-627.	6.0	389
27	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014, 346, 1256846.	6.0	379
28	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
29	The Isolation of Nucleic Acids from Fixed, Paraffin-Embedded Tissues “Which Methods Are Useful When?. <i>PLoS ONE</i> , 2007, 2, e537.	1.1	322
30	Most of the extant mtDNA boundaries in south and southwest Asia were likely shaped during the initial settlement of Eurasia by anatomically modern humans. <i>BMC Genetics</i> , 2004, 5, 26.	2.7	305
31	The emergence of HIV/AIDS in the Americas and beyond. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18566-18570.	3.3	301
32	DNA metabarcoding “Need for robust experimental designs to draw sound ecological conclusions. <i>Molecular Ecology</i> , 2019, 28, 1857-1862.	2.0	300
33	Investigating the Potential Use of Environmental DNA (eDNA) for Genetic Monitoring of Marine Mammals. <i>PLoS ONE</i> , 2012, 7, e41781.	1.1	294
34	The Genome 10K Project: A Way Forward. <i>Annual Review of Animal Biosciences</i> , 2015, 3, 57-111.	3.6	294
35	Ancient and modern environmental DNA. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130383.	1.8	292
36	Early Allelic Selection in Maize as Revealed by Ancient DNA. <i>Science</i> , 2003, 302, 1206-1208.	6.0	287

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37	mapDamage: testing for damage patterns in ancient DNA sequences. <i>Bioinformatics</i> , 2011, 27, 2153-2155.	1.8	287
38	Glacial Survival of Boreal Trees in Northern Scandinavia. <i>Science</i> , 2012, 335, 1083-1086.	6.0	287
39	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
40	DNA from Pre-Clovis Human Coprolites in Oregon, North America. <i>Science</i> , 2008, 320, 786-789.	6.0	283
41	Meta-barcoding of eDNA from soil reflects vertebrate biodiversity. <i>Molecular Ecology</i> , 2012, 21, 1966-1979.	2.0	276
42	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <i>Science</i> , 2019, 364, .	6.0	266
43	The microbiome of New World vultures. <i>Nature Communications</i> , 2014, 5, 5498.	5.8	264
44	The genetic prehistory of the New World Arctic. <i>Science</i> , 2014, 345, 1255832.	6.0	264
45	DNA from soil mirrors plant taxonomic and growth form diversity. <i>Molecular Ecology</i> , 2012, 21, 3647-3655.	2.0	262
46	Single-tube library preparation for degraded DNA. <i>Methods in Ecology and Evolution</i> , 2018, 9, 410-419.	2.2	261
47	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
48	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014, 346, 1246338.	6.0	258
49	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
50	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	13.7	251
51	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
52	Do Vertebrate Gut Metagenomes Confer Rapid Ecological Adaptation?. <i>Trends in Ecology and Evolution</i> , 2016, 31, 689-699.	4.2	235
53	<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
54	Genomic Diversity and Evolution of the Head Crest in the Rock Pigeon. <i>Science</i> , 2013, 339, 1063-1067.	6.0	230

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55	DNA Extraction from Dry Museum Beetles without Conferring External Morphological Damage. PLoS ONE, 2007, 2, e272.	1.1	225
56	Critical review of host specificity and its coevolutionary implications in the fig/fig-wasp mutualism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6558-6565.	3.3	224
57	Genome-culture coevolution promotes rapid divergence of killer whale ecotypes. Nature Communications, 2016, 7, 11693.	5.8	222
58	Whole-Genome Shotgun Sequencing of Mitochondria from Ancient Hair Shafts. Science, 2007, 317, 1927-1930.	6.0	220
59	Characterization of Genetic Miscoding Lesions Caused by Postmortem Damage. American Journal of Human Genetics, 2003, 72, 48-61.	2.6	217
60	Ancient DNA Reveals Lack of Continuity between Neolithic Hunter-Gatherers and Contemporary Scandinavians. Current Biology, 2009, 19, 1758-1762.	1.8	217
61	Clovis Age Western Stemmed Projectile Points and Human Coprolites at the Paisley Caves. Science, 2012, 337, 223-228.	6.0	211
62	Distribution Patterns of Postmortem Damage in Human Mitochondrial DNA. American Journal of Human Genetics, 2003, 72, 32-47.	2.6	210
63	Ancient DNA analyses exclude humans as the driving force behind late Pleistocene musk ox ( <i>Ovibos</i> ) Tj ETQq1 1 0.784314 rgBT /C States of America, 2010, 107, 5675-5680.	3.3	208
64	Ancient DNA Chronology within Sediment Deposits: Are Paleobiological Reconstructions Possible and Is DNA Leaching a Factor?. Molecular Biology and Evolution, 2007, 24, 982-989.	3.5	202
65	Historical Mammal Extinction on Christmas Island (Indian Ocean) Correlates with Introduced Infectious Disease. PLoS ONE, 2008, 3, e3602.	1.1	198
66	Reconstructing ancient genomes and epigenomes. Nature Reviews Genetics, 2015, 16, 395-408.	7.7	197
67	Proteomic Analysis of a Pleistocene Mammoth Femur Reveals More than One Hundred Ancient Bone Proteins. Journal of Proteome Research, 2012, 11, 917-926.	1.8	196
68	Paleo-Eskimo mtDNA Genome Reveals Matrilineal Discontinuity in Greenland. Science, 2008, 320, 1787-1789.	6.0	184
69	Direct evidence of milk consumption from ancient human dental calculus. Scientific Reports, 2014, 4, 7104.	1.6	184
70	Molecular Diet Analysis of Two African Free-Tailed Bats (Molossidae) Using High Throughput Sequencing. PLoS ONE, 2011, 6, e21441.	1.1	175
71	Multiproxy evidence highlights a complex evolutionary legacy of maize in South America. Science, 2018, 362, 1309-1313.	6.0	172
72	Absence of <i>Yersinia pestis</i> -specific DNA in human teeth from five European excavations of putative plague victims. Microbiology (United Kingdom), 2004, 150, 341-354.	0.7	168

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73	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
74	Bat Biology, Genomes, and the Bat1K Project: To Generate Chromosome-Level Genomes for All Living Bat Species. <i>Annual Review of Animal Biosciences</i> , 2018, 6, 23-46.	3.6	166
75	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
76	High-throughput sequencing offers insight into mechanisms of resource partitioning in cryptic bat species. <i>Ecology and Evolution</i> , 2011, 1, 556-570.	0.8	163
77	Quantifying Temporal Genomic Erosion in Endangered Species. <i>Trends in Ecology and Evolution</i> , 2018, 33, 176-185.	4.2	162
78	Genome-wide nucleosome map and cytosine methylation levels of an ancient human genome. <i>Genome Research</i> , 2014, 24, 454-466.	2.4	161
79	Genomic Affinities of Two 7,000-Year-Old Iberian Hunter-Gatherers. <i>Current Biology</i> , 2012, 22, 1494-1499.	1.8	160
80	Ecological, morphological and genetic divergence of sympatric North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2009, 18, 5207-5217.	2.0	156
81	Connecting Earth observation to high-throughput biodiversity data. <i>Nature Ecology and Evolution</i> , 2017, 1, 176.	3.4	156
82	A Common Genetic Origin for Early Farmers from Mediterranean Cardial and Central European LBK Cultures. <i>Molecular Biology and Evolution</i> , 2015, 32, msv181.	3.5	155
83	Screening mammal biodiversity using DNA from leeches. <i>Current Biology</i> , 2012, 22, R262-R263.	1.8	150
84	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
85	Transcriptomes of the desiccation-tolerant resurrection plant <i>Craterostigma plantagineum</i> . <i>Plant Journal</i> , 2010, 63, 212-228.	2.8	149
86	Beringian Paleoecology Inferred from Permafrost-Preserved Fungal DNA. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1012-1017.	1.4	148
87	Pre-Clovis Mastodon Hunting 13,800 Years Ago at the Manis Site, Washington. <i>Science</i> , 2011, 334, 351-353.	6.0	148
88	Macroevolution of Complex Retroviruses. <i>Science</i> , 2009, 325, 1512-1512.	6.0	146
89	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
90	Ancient mitochondrial DNA from hair. <i>Current Biology</i> , 2004, 14, R463-R464.	1.8	143

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91	Population genomics of the Viking world. <i>Nature</i> , 2020, 585, 390-396.	13.7	143
92	Ancient genomics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130387.	1.8	142
93	The evolutionary history of dogs in the Americas. <i>Science</i> , 2018, 361, 81-85.	6.0	140
94	Stable isotope and DNA evidence for ritual sequences in Inca child sacrifice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16456-16461.	3.3	138
95	The origin and evolution of maize in the Southwestern United States. <i>Nature Plants</i> , 2015, 1, 14003.	4.7	138
96	Promises and pitfalls of using high-throughput sequencing for diet analysis. <i>Molecular Ecology Resources</i> , 2019, 19, 327-348.	2.2	138
97	The era of reference genomes in conservation genomics. <i>Trends in Ecology and Evolution</i> , 2022, 37, 197-202.	4.2	138
98	Comparative performance of the BGISEQ-500 vs Illumina HiSeq2500 sequencing platforms for palaeogenomic sequencing. <i>GigaScience</i> , 2017, 6, 1-13.	3.3	137
99	Bird sequencing project takes off. <i>Nature</i> , 2015, 522, 34-34.	13.7	136
100	Early Pleistocene enamel proteome from Dmanisi resolves <i>Stephanorhinus</i> phylogeny. <i>Nature</i> , 2019, 574, 103-107.	13.7	135
101	The Genetic Origins of the Andaman Islanders. <i>American Journal of Human Genetics</i> , 2003, 72, 178-184.	2.6	133
102	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
103	Genome Sequence of a 5,310-Year-Old Maize Cob Provides Insights into the Early Stages of Maize Domestication. <i>Current Biology</i> , 2016, 26, 3195-3201.	1.8	130
104	Comment on "Protein Sequences from Mastodon and <i>Tyrannosaurus rex</i> Revealed by Mass Spectrometry". <i>Science</i> , 2008, 319, 33-33.	6.0	127
105	A guide to the application of Hill numbers to DNA-based diversity analyses. <i>Molecular Ecology Resources</i> , 2019, 19, 804-817.	2.2	125
106	Hologenomic adaptations underlying the evolution of sanguivory in the common vampire bat. <i>Nature Ecology and Evolution</i> , 2018, 2, 659-668.	3.4	124
107	Parallel adaptation of rabbit populations to myxoma virus. <i>Science</i> , 2019, 363, 1319-1326.	6.0	124
108	The Earth BioGenome Project 2020: Starting the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	124

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109	Comparative genomic data of the Avian Phylogenomics Project. <i>GigaScience</i> , 2014, 3, 26.	3.3	117
110	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.	3.5	114
111	True single-molecule DNA sequencing of a pleistocene horse bone. <i>Genome Research</i> , 2011, 21, 1705-1719.	2.4	114
112	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, 3669-3673.	3.3	110
113	Agriculture shapes the trophic niche of a bat preying on multiple pest arthropods across Europe: Evidence from <i>scp</i> DNA metabarcoding. <i>Molecular Ecology</i> , 2018, 27, 815-825.	2.0	110
114	Interspecific Gene Flow Shaped the Evolution of the Genus <i>Canis</i> . <i>Current Biology</i> , 2018, 28, 3441-3449.e5.	1.8	110
115	Extinct New Zealand megafauna were not in decline before human colonization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4922-4927.	3.3	109
116	Application and comparison of large-scale solution-based DNA capture-enrichment methods on ancient DNA. <i>Scientific Reports</i> , 2011, 1, 74.	1.6	106
117	Tracking down Human Contamination in Ancient Human Teeth. <i>Molecular Biology and Evolution</i> , 2006, 23, 1801-1807.	3.5	105
118	Natural selection shaped the rise and fall of passenger pigeon genomic diversity. <i>Science</i> , 2017, 358, 951-954.	6.0	105
119	Fossil avian eggshell preserves ancient DNA. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1991-2000.	1.2	103
120	Reconstructing genome evolution in historic samples of the Irish potato famine pathogen. <i>Nature Communications</i> , 2013, 4, 2172.	5.8	103
121	The mitochondrial genome sequence of the Tasmanian tiger ( <i>Thylacinus cynocephalus</i> ). <i>Genome Research</i> , 2009, 19, 213-220.	2.4	102
122	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.	3.3	101
123	Unravelling migrations in the steppe: mitochondrial DNA sequences from ancient Central Asians. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 941-947.	1.2	100
124	Non-Destructive Sampling of Ancient Insect DNA. <i>PLoS ONE</i> , 2009, 4, e5048.	1.1	99
125	Evidence for a single loss of mineralized teeth in the common avian ancestor. <i>Science</i> , 2014, 346, 1254390.	6.0	99
126	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



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127	Using paleo-archives to safeguard biodiversity under climate change. <i>Science</i> , 2020, 369, .	6.0	98
128	Positive selection on the killer whale mitogenome. <i>Biology Letters</i> , 2011, 7, 116-118.	1.0	97
129	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.	3.3	96
130	Assessing the Fidelity of Ancient DNA Sequences Amplified From Nuclear Genes. <i>Genetics</i> , 2006, 172, 733-741.	1.2	95
131	Identification of microsatellites from an extinct moa species using high-throughput (454) sequence data. <i>BioTechniques</i> , 2009, 46, 195-200.	0.8	94
132	The Genomic Footprints of the Fall and Recovery of the Crested Ibis. <i>Current Biology</i> , 2019, 29, 340-349.e7.	1.8	94
133	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
134	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
135	GC bias affects genomic and metagenomic reconstructions, underrepresenting GC-poor organisms. <i>GigaScience</i> , 2020, 9, .	3.3	91
136	iDNA from terrestrial haematophagous leeches as a wildlife surveying and monitoring tool – prospects, pitfalls and avenues to be developed. <i>Frontiers in Zoology</i> , 2015, 12, 24.	0.9	89
137	Genetic differentiation among North Atlantic killer whale populations. <i>Molecular Ecology</i> , 2011, 20, 629-641.	2.0	86
138	Molecular clocks indicate turnover and diversification of modern coleoid cephalopods during the Mesozoic Marine Revolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162818.	1.2	86
139	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
140	Palaeogenomic insights into the origins of French grapevine diversity. <i>Nature Plants</i> , 2019, 5, 595-603.	4.7	85
141	Recent Diversification of a Marine Genus ( <i>Tursiops</i> spp.) Tracks Habitat Preference and Environmental Change. <i>Systematic Biology</i> , 2013, 62, 865-877.	2.7	84
142	Dynamic evolution of the alpha ( $\hat{I}_1$ ) and beta ( $\hat{I}_2$ ) keratins has accompanied integument diversification and the adaptation of birds into novel lifestyles. <i>BMC Evolutionary Biology</i> , 2014, 14, 249.	3.2	84
143	Salmon gut microbiota correlates with disease infection status: potential for monitoring health in farmed animals. <i>Animal Microbiome</i> , 2021, 3, 30.	1.5	84
144	Marine turtle mitogenome phylogenetics and evolution. <i>Molecular Phylogenetics and Evolution</i> , 2012, 65, 241-250.	1.2	83

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145	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
146	Genomic signatures of near-extinction and rebirth of the crested ibis and other endangered bird species. <i>Genome Biology</i> , 2014, 15, 557.	3.8	83
147	A multidisciplinary study of archaeological grape seeds. <i>Die Naturwissenschaften</i> , 2010, 97, 205-217.	0.6	82
148	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
149	DNA Extraction from Formalin-Fixed Material. <i>Methods in Molecular Biology</i> , 2012, 840, 81-85.	0.4	80
150	Holo-Omics: Integrated Host-Microbiota Multi-omics for Basic and Applied Biological Research. <i>IScience</i> , 2020, 23, 101414.	1.9	80
151	Mitogenomic phylogenetic analyses of the Delphinidae with an emphasis on the Globicephalinae. <i>BMC Evolutionary Biology</i> , 2011, 11, 65.	3.2	76
152	Second generation sequencing and morphological faecal analysis reveal unexpected foraging behaviour by <i>Myotis nattereri</i> (Chiroptera, Vespertilionidae) in winter. <i>Frontiers in Zoology</i> , 2014, 11, 39.	0.9	75
153	Geographic and temporal dynamics of a global radiation and diversification in the killer whale. <i>Molecular Ecology</i> , 2015, 24, 3964-3979.	2.0	74
154	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015, 32, 2832-2843.	3.5	73
155	The wolf reference genome sequence ( <i>Canis lupus lupus</i> ) and its implications for <i>Canis</i> spp. population genomics. <i>BMC Genomics</i> , 2017, 18, 495.	1.2	73
156	Two Antarctic penguin genomes reveal insights into their evolutionary history and molecular changes related to the Antarctic environment. <i>GigaScience</i> , 2014, 3, 27.	3.3	72
157	Using <i>scDNA</i> metabarcoding for simultaneous inference of common vampire bat diet and population structure. <i>Molecular Ecology Resources</i> , 2018, 18, 1050-1063.	2.2	70
158	Skmer: assembly-free and alignment-free sample identification using genome skims. <i>Genome Biology</i> , 2019, 20, 34.	3.8	70
159	Ancient DNA suggests modern wolves trace their origin to a Late Pleistocene expansion from Beringia. <i>Molecular Ecology</i> , 2020, 29, 1596-1610.	2.0	70
160	The evolutionary history of extinct and living lions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10927-10934.	3.3	70
161	Mitochondrial DNA from pre-Columbian Ciboneys from Cuba and the prehistoric colonization of the Caribbean. <i>American Journal of Physical Anthropology</i> , 2003, 121, 97-108.	2.1	68
162	Herbarium specimens reveal a historical shift in phylogeographic structure of common ragweed during native range disturbance. <i>Molecular Ecology</i> , 2014, 23, 1701-1716.	2.0	68

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163	Islands in the ice: detecting past vegetation on Greenlandic nunataks using historical records and sedimentary ancient DNA Metaâ€barcoding. <i>Molecular Ecology</i> , 2012, 21, 1980-1988.	2.0	67
164	The evolutionary history of cockatoos (Aves: Psittaciformes: Cacatuidae). <i>Molecular Phylogenetics and Evolution</i> , 2011, 59, 615-622.	1.2	66
165	An invertebrate stomach's view on vertebrate ecology. <i>BioEssays</i> , 2013, 35, 1004-1013.	1.2	66
166	Ancient DNA reveals that bowhead whale lineages survived Late Pleistocene climate change and habitat shifts. <i>Nature Communications</i> , 2013, 4, 1677.	5.8	66
167	Unlocking Ancient Protein Palimpsests. <i>Science</i> , 2014, 343, 1320-1322.	6.0	66
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