

# Beth Shapiro

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3704481/beth-shapiro-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183  
papers

11,885  
citations

57  
h-index

106  
g-index

198  
ext. papers

15,239  
ext. citations

11.2  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
183	Ancient DNA-based sex determination of bison hide moccasins indicates Promontory cave occupants selected female hides for footwear. <i>Journal of Archaeological Science</i> , <b>2022</b> , 137, 105533	2.9	
182	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119,	11.5	6
181	Genomic basis for skin phenotype and cold adaptation in the extinct Steller's sea cow.. <i>Science Advances</i> , <b>2022</b> , 8, eabl6496	14.3	0
180	Revisiting the effect of PCR replication and sequencing depth on biodiversity metrics in environmental DNA metabarcoding. <i>Ecology and Evolution</i> , <b>2021</b> , 11, 15766-15779	2.8	4
179	The origins and spread of domestic horses from the Western Eurasian steppes. <i>Nature</i> , <b>2021</b> , 598, 634-640	30.4	24
178	Heterogeneous Hunter-Gatherer and Steppe-Related Ancestries in Late Neolithic and Bell Beaker Genomes from Present-Day France. <i>Current Biology</i> , <b>2021</b> , 31, 1072-1083.e10	6.3	5
177	Conserving intraspecific variation for nature's contributions to people. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 574-582	12.3	24
176	Ancient plant DNA reveals High Arctic greening during the Last Interglacial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
175	Intended consequences statement. <i>Conservation Science and Practice</i> , <b>2021</b> , 3, e371	2.2	2
174	The CALeDNA program: Citizen scientists and researchers inventory California's biodiversity. <i>California Agriculture</i> , <b>2021</b> , 75, 20-32	1.1	4
173	A Fast and Efficient Single-stranded Genomic Library Preparation Method Optimized for Ancient DNA. <i>Journal of Heredity</i> , <b>2021</b> , 112, 241-249	2.4	10
172	An Annotated Draft Genome for the Andean Bear, <i>Tremarctos ornatus</i> . <i>Journal of Heredity</i> , <b>2021</b> , 112, 377-384	2.4	1
171	Metabarcoding meiofauna biodiversity assessment in four beaches of Northern Colombia: effects of sampling protocols and primer choice. <i>Hydrobiologia</i> , <b>2021</b> , 848, 3407	2.4	3
170	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , <b>2021</b> , 592, 737-746	36.4	161
169	Ancient horse genomes reveal the timing and extent of dispersals across the Bering Land Bridge. <i>Molecular Ecology</i> , <b>2021</b> , 30, 6144-6161	5.7	7
168	Large-scale genomic analysis reveals the genetic cost of chicken domestication. <i>BMC Biology</i> , <b>2021</b> , 19, 118	7.3	6
167	Environmental genomics of Late Pleistocene black bears and giant short-faced bears. <i>Current Biology</i> , <b>2021</b> , 31, 2728-2736.e8	6.3	6

166	A Reference Genome Assembly of Simmental Cattle, <i>Bos taurus taurus</i> . <i>Journal of Heredity</i> , <b>2021</b> , 112, 184-191	2.4	4
165	Dire wolves were the last of an ancient New World canid lineage. <i>Nature</i> , <b>2021</b> , 591, 87-91	50.4	18
164	Reintroduction of the archaic variant of in cortical organoids alters neurodevelopment. <i>Science</i> , <b>2021</b> , 371,	33.3	28
163	A Reference Genome Assembly of American Bison, <i>Bison bison bison</i> . <i>Journal of Heredity</i> , <b>2021</b> , 112, 174-183	2.4	3
162	Million-year-old DNA sheds light on the genomic history of mammoths. <i>Nature</i> , <b>2021</b> , 591, 265-269	50.4	60
161	An ancestral recombination graph of human, Neanderthal, and Denisovan genomes. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	15
160	Landscape analyses using eDNA metabarcoding and Earth observation predict community biodiversity in California. <i>Ecological Applications</i> , <b>2021</b> , 31, e02379	4.9	3
159	Lifetime mobility of an Arctic woolly mammoth. <i>Science</i> , <b>2021</b> , 373, 806-808	33.3	3
158	Museum Genomics. <i>Annual Review of Genetics</i> , <b>2021</b> , 55, 633-659	14.5	9
157	Ancient and modern genomes unravel the evolutionary history of the rhinoceros family. <i>Cell</i> , <b>2021</b> , 184, 4874-4885.e16	56.2	6
156	Sedimentary DNA and molecular evidence for early human occupation of the Faroe Islands. <i>Communications Earth &amp; Environment</i> , <b>2021</b> , 2,	6.1	2
155	Horseshoe-based Bayesian nonparametric estimation of effective population size trajectories. <i>Biometrics</i> , <b>2020</b> , 76, 677-690	1.8	10
154	Ancient Hybridization with an Unknown Population Facilitated High-Altitude Adaptation of Canids. <i>Molecular Biology and Evolution</i> , <b>2020</b> , 37, 2616-2629	8.3	16
153	Rapid range shifts and megafaunal extinctions associated with late Pleistocene climate change. <i>Nature Communications</i> , <b>2020</b> , 11, 2770	17.4	20
152	863 genomes reveal the origin and domestication of chicken. <i>Cell Research</i> , <b>2020</b> , 30, 693-701	24.7	49
151	A novel NGS library preparation method to characterize native termini of fragmented DNA. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, e47	20.1	6
150	An Evolutionary Insertion in the Mxra8 Receptor-Binding Site Confers Resistance to Alphavirus Infection and Pathogenesis. <i>Cell Host and Microbe</i> , <b>2020</b> , 27, 428-440.e9	23.4	10
149	The case of an arctic wild ass highlights the utility of ancient DNA for validating problematic identifications in museum collections. <i>Molecular Ecology Resources</i> , <b>2020</b> , 20, 1182-1190	8.4	5

148	A detailed life history of a pleistocene steppe bison ( <i>Bison priscus</i> ) skeleton unearthed in Arctic Alaska. <i>Quaternary Science Reviews</i> , <b>2020</b> , 249, 106578	3.9	4
147	Highly accurate long-read HiFi sequencing data for five complex genomes. <i>Scientific Data</i> , <b>2020</b> , 7, 399	8.2	39
146	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , <b>2020</b> , 587, 252-257	50.4	89
145	Pre-extinction Demographic Stability and Genomic Signatures of Adaptation in the Woolly Rhinoceros. <i>Current Biology</i> , <b>2020</b> , 30, 3871-3879.e7	6.3	16
144	Rejoinder for discussion on "Horseshoe-based Bayesian nonparametric estimation of effective population size trajectories". <i>Biometrics</i> , <b>2020</b> , 76, 695-699	1.8	2
143	A mummified Pleistocene gray wolf pup. <i>Current Biology</i> , <b>2020</b> , 30, R1467-R1468	6.3	3
142	New middle chapter in the story of human evolution. <i>Science</i> , <b>2019</b> , 365, 981-982	33.3	0
141	Early Pleistocene enamel proteome from Dmanisi resolves <i>Stephanorhinus</i> phylogeny. <i>Nature</i> , <b>2019</b> , 574, 103-107	50.4	70
140	Tracking Five Millennia of Horse Management with Extensive Ancient Genome Time Series. <i>Cell</i> , <b>2019</b> , 177, 1419-1435.e31	56.2	110
139	Mitogenomes illuminate the origin and migration patterns of the indigenous people of the Canary Islands. <i>PLoS ONE</i> , <b>2019</b> , 14, e0209125	3.7	24
138	Targeted Amplification and Sequencing of Ancient Environmental and Sedimentary DNA. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1963, 149-161	1.4	2
137	Setting Up an Ancient DNA Laboratory. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1963, 1-13	1.4	23
136	Depletion of Hemoglobin Transcripts and Long-Read Sequencing Improves the Transcriptome Annotation of the Polar Bear ( <i>Ursus maritimus</i> ). <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 643	4.5	9
135	Puma genomes from North and South America provide insights into the genomic consequences of inbreeding. <i>Nature Communications</i> , <b>2019</b> , 10, 4769	17.4	24
134	Demographic reconstruction from ancient DNA supports rapid extinction of the great auk. <i>ELife</i> , <b>2019</b> , 8,	8.9	6
133	A ligation-based single-stranded library preparation method to analyze cell-free DNA and synthetic oligos. <i>BMC Genomics</i> , <b>2019</b> , 20, 1023	4.5	25
132	Genomic Evidence of Widespread Admixture from Polar Bears into Brown Bears during the Last Ice Age. <i>Molecular Biology and Evolution</i> , <b>2018</b> , 35, 1120-1129	8.3	58
131	Experimental Investigation of the Dietary Ecology of the Extinct Passenger Pigeon, <i>Ectopistes migratorius</i> . <i>Frontiers in Ecology and Evolution</i> , <b>2018</b> , 6,	3.7	5

130	Partial genomic survival of cave bears in living brown bears. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1563-1570	15.7	82
129	Ancient genomes from North Africa evidence prehistoric migrations to the Maghreb from both the Levant and Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6774-6779	11.5	62
128	Improving societies' harassment policies. <i>Science</i> , <b>2018</b> , 361, 984-985	33.3	
127	Conservation of biodiversity in the genomics era. <i>Genome Biology</i> , <b>2018</b> , 19, 131	18.3	95
126	A probable prehistoric case of meningococcal disease from San Francisco Bay: Next generation sequencing of <i>Neisseria meningitidis</i> from dental calculus and osteological evidence. <i>International Journal of Paleopathology</i> , <b>2018</b> , 22, 173-180	1.5	8
125	Minimizing polymerase biases in metabarcoding. <i>Molecular Ecology Resources</i> , <b>2018</b> , 18, 927	8.4	95
124	Pathways to de-extinction: how close can we get to resurrection of an extinct species?. <i>Functional Ecology</i> , <b>2017</b> , 31, 996-1002	5.6	47
123	The southern coastal Beringian land bridge: cryptic refugium or pseudorefugium for woody plants during the Last Glacial Maximum?. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 1559-1571	4.1	17
122	Fossil and genomic evidence constrains the timing of bison arrival in North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3457-3462	11.5	57
121	The evolutionary and phylogeographic history of woolly mammoths: a comprehensive mitogenomic analysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 44585	4.9	34
120	Survival and divergence in a small group: The extraordinary genomic history of the endangered Apennine brown bear stragglers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9589-E9597	11.5	95
119	Palaeogenomes of Eurasian straight-tusked elephants challenge the current view of elephant evolution. <i>ELife</i> , <b>2017</b> , 6,	8.9	37
118	Complex Admixture Preceded and Followed the Extinction of Wisent in the Wild. <i>Molecular Biology and Evolution</i> , <b>2017</b> , 34, 598-612	8.3	23
117	Response to Hohenlohe. <i>Science Advances</i> , <b>2017</b> , 3, e1701233	14.3	6
116	Discovery of the skull of <i>Stephanorhinus kirchbergensis</i> (Jäger, 1839) above the Arctic Circle. <i>Quaternary Research</i> , <b>2017</b> , 88, 537-550	1.9	16
115	A middle Holocene steppe bison and paleoenvironments from the Versleuce Meadows, Whitehorse, Yukon, Canada. <i>Canadian Journal of Earth Sciences</i> , <b>2017</b> , 54, 1138-1152	1.5	6
114	The Zhenya Mammoth ( <i>Mammuthus primigenius</i> (Blum.)): Taphonomy, geology, age, morphology and ancient DNA of a 48,000 year old frozen mummy from western Taimyr, Russia. <i>Quaternary International</i> , <b>2017</b> , 445, 104-134	2	15
113	Natural selection shaped the rise and fall of passenger pigeon genomic diversity. <i>Science</i> , <b>2017</b> , 358, 951-954	33.3	68

112	AD-LIBS: inferring ancestry across hybrid genomes using low-coverage sequence data. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 203	3.6	5
111	Ancient DNA Resolves the History of Tetragnatha (Araneae, Tetragnathidae) Spiders on Rapa Nui. <i>Genes</i> , <b>2017</b> , 8,	4.2	11
110	A new genus of horse from Pleistocene North America. <i>ELife</i> , <b>2017</b> , 6,	8.9	42
109	Whole-genome sequence analysis shows that two endemic species of North American wolf are admixtures of the coyote and gray wolf. <i>Science Advances</i> , <b>2016</b> , 2, e1501714	14.3	98
108	Early cave art and ancient DNA record the origin of European bison. <i>Nature Communications</i> , <b>2016</b> , 7, 13158	17.4	63
107	Bermuda 2.0: reflections from Santa Cruz. <i>GigaScience</i> , <b>2016</b> , 5, 1-4	7.6	9
106	Bison phylogeography constrains dispersal and viability of the Ice Free Corridor in western Canada. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 8057-63	11.5	93
105	Inferring species divergence times using pairwise sequential Markovian coalescent modelling and low-coverage genomic data. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371,	5.8	26
104	Detecting hybridization using ancient DNA. <i>Molecular Ecology</i> , <b>2016</b> , 25, 2398-412	5.7	24
103	Using ancient DNA and coalescent-based methods to infer extinction. <i>Biology Letters</i> , <b>2016</b> , 12, 201508236	3.6	10
102	Mitogenomics of the Extinct Cave Lion, <i>Panthera spelaea</i> (Goldfuss, 1810), Resolve its Position within the <i>Panthera</i> Cats. <i>Open Quaternary</i> , <b>2016</b> , 2,	1.1	15
101	Mammuthus Population Dynamics in Late Pleistocene North America: Divergence, Phylogeography, and Introgression. <i>Frontiers in Ecology and Evolution</i> , <b>2016</b> , 4,	3.7	32
100	Complete mitochondrial genomes of living and extinct pigeons revise the timing of the columbiform radiation. <i>BMC Evolutionary Biology</i> , <b>2016</b> , 16, 230	3	25
99	Timing and causes of mid-Holocene mammoth extinction on St. Paul Island, Alaska. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9310-4	11.5	95
98	An ancient bison from the mouth of the Rauchua River (Chukotka, Russia). <i>Quaternary Research</i> , <b>2015</b> , 84, 232-245	1.9	22
97	Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. <i>Current Biology</i> , <b>2015</b> , 25, 2158-65	6.3	118
96	Climate impacts on transocean dispersal and habitat in gray whales from the Pleistocene to 2100. <i>Molecular Ecology</i> , <b>2015</b> , 24, 1510-22	5.7	32
95	Mammoth 2.0: will genome engineering resurrect extinct species?. <i>Genome Biology</i> , <b>2015</b> , 16, 228	18.3	28

94	Genomic evidence of geographically widespread effect of gene flow from polar bears into brown bears. <i>Molecular Ecology</i> , <b>2015</b> , 24, 1205-17	5.7	104
93	Empirical calibrated radiocarbon sampler: a tool for incorporating radiocarbon-date and calibration error into Bayesian phylogenetic analyses of ancient DNA. <i>Molecular Ecology Resources</i> , <b>2015</b> , 15, 81-6	8.4	14
92	A revised evolutionary history of armadillos ( <i>Dasypus</i> ) in North America based on ancient mitochondrial DNA. <i>Boreas</i> , <b>2015</b> , 44, 14-23	2.4	5
91	Pros and cons of methylation-based enrichment methods for ancient DNA. <i>Scientific Reports</i> , <b>2015</b> , 5, 11826	4.9	40
90	A method for positive forensic identification of samples from extremely low-coverage sequence data. <i>BMC Genomics</i> , <b>2015</b> , 16, 1034	4.5	16
89	Genomic Data from Extinct North American Camelops Revise Camel Evolutionary History. <i>Molecular Biology and Evolution</i> , <b>2015</b> , 32, 2433-40	8.3	45
88	Post-glacial dispersal patterns of Northern pike inferred from an 8800 year old pike ( <i>Esox cf. lucius</i> ) skull from interior Alaska. <i>Quaternary Science Reviews</i> , <b>2015</b> , 120, 118-125	3.9	11
87	Amplification of TruSeq ancient DNA libraries with AccuPrime Pfx: consequences on nucleotide misincorporation and methylation patterns. <i>Science and Technology of Archaeological Research</i> , <b>2015</b> , 1, 1-9	1.2	9
86	Time-dependent estimates of molecular evolutionary rates: evidence and causes. <i>Molecular Ecology</i> , <b>2015</b> , 24, 6007-12	5.7	39
85	A review of the dodo and its ecosystem: insights from a vertebrate concentration Lagerstätte in Mauritius. <i>Journal of Vertebrate Paleontology</i> , <b>2015</b> , 35, 3-20	1.7	10
84	Life and extinction of megafauna in the ice-age Arctic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 14301-6	11.5	44
83	Genetic relatedness in two-tiered plains zebra societies suggests that females choose to associate with kin. <i>Behaviour</i> , <b>2015</b> , 152, 2059-2078	1.4	10
82	How to Clone a Mammoth <b>2015</b> ,		37
81	Transoceanic drift and the domestication of African bottle gourds in the Americas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 2937-41	11.5	79
80	Ancient mitochondrial DNA and the genetic history of Eurasian beaver ( <i>Castor fiber</i> ) in Europe. <i>Molecular Ecology</i> , <b>2014</b> , 23, 1717-29	5.7	17
79	Preservation of viral genomes in 700-y-old caribou feces from a subarctic ice patch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16842-7	11.5	87
78	Brown bear ( <i>Ursus arctos</i> ) (9880 ± 35 BP) from late-glacial Champlain Sea deposits at Saint-Nicolas, Quebec, Canada, and the dispersal history of brown bears. <i>Canadian Journal of Earth Sciences</i> , <b>2014</b> , 51, 527-535	1.5	3
77	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> , <b>2014</b> , 111, E5661-9	11.5	197

76	Ancient hyaenas highlight the old problem of estimating evolutionary rates. <i>Molecular Ecology</i> , <b>2014</b> , 23, 499-501	5.7	6
75	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , <b>2014</b> , 346, 1320-31	33.3	1182
74	Revealing the maternal demographic history of <i>Panthera leo</i> using ancient DNA and a spatially explicit genealogical analysis. <i>BMC Evolutionary Biology</i> , <b>2014</b> , 14, 70	3	50
73	Improving Bayesian population dynamics inference: a coalescent-based model for multiple loci. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 713-24	8.3	312
72	V.15. Ancient DNA <b>2013</b> , 475-482		1
71	Phylogenetic estimation of timescales using ancient DNA: the effects of temporal sampling scheme and uncertainty in sample ages. <i>Molecular Biology and Evolution</i> , <b>2013</b> , 30, 253-62	8.3	33
70	Ancient DNA supports southern survival of Richardson's collared lemming ( <i>Dicrostonyx richardsoni</i> ) during the last glacial maximum. <i>Molecular Ecology</i> , <b>2013</b> , 22, 2540-8	5.7	18
69	Human evolution: turning back the clock. <i>Current Biology</i> , <b>2013</b> , 23, R286-8	6.3	13
68	Recalibrating <i>Equus</i> evolution using the genome sequence of an early Middle Pleistocene horse. <i>Nature</i> , <b>2013</b> , 499, 74-8	50.4	563
67	Genomic evidence for island population conversion resolves conflicting theories of polar bear evolution. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003345	6	131
66	Mitochondrial phylogenomics of modern and ancient equids. <i>PLoS ONE</i> , <b>2013</b> , 8, e55950	3.7	99
65	Homotherium serum and Cervalces from the Great Lakes Region, USA: geochronology, morphology and ancient DNA. <i>Boreas</i> , <b>2012</b> , 41, 546-556	2.4	14
64	Improving the performance of true single molecule sequencing for ancient DNA. <i>BMC Genomics</i> , <b>2012</b> , 13, 177	4.5	32
63	Case study: recovery of ancient nuclear DNA from toe pads of the extinct passenger pigeon. <i>Methods in Molecular Biology</i> , <b>2012</b> , 840, 29-35	1.4	12
62	Case study: ancient DNA recovered from pleistocene-age remains of a Florida armadillo. <i>Methods in Molecular Biology</i> , <b>2012</b> , 840, 87-92	1.4	5
61	The origin of the 'Mycoplasma mycoides cluster' coincides with domestication of ruminants. <i>PLoS ONE</i> , <b>2012</b> , 7, e36150	3.7	54
60	Multiple losses of flight and recent speciation in steamer ducks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 2339-46	4.4	25
59	Nuclear DNA from the extinct Passenger Pigeon ( <i>Ectopistes migratorius</i> ) confirms a single origin of New World pigeons. <i>Annals of Anatomy</i> , <b>2012</b> , 194, 52-7	2.9	13



58	Partial genetic turnover in neandertals: continuity in the East and population replacement in the West. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 1893-7	8.3	59
57	The earliest evidence for anatomically modern humans in northwestern Europe. <i>Nature</i> , <b>2011</b> , 479, 521-4	50.4	235
56	Discovery of lost diversity of paternal horse lineages using ancient DNA. <i>Nature Communications</i> , <b>2011</b> , 2, 450	17.4	62
55	A Bayesian phylogenetic method to estimate unknown sequence ages. <i>Molecular Biology and Evolution</i> , <b>2011</b> , 28, 879-87	8.3	98
54	Bayesian estimation of substitution rates from ancient DNA sequences with low information content. <i>Systematic Biology</i> , <b>2011</b> , 60, 366-75	8.4	68
53	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , <b>2011</b> , 479, 359-64	50.4	483
52	Ancient DNA confirms a local origin of domesticated chenopod in eastern North America. <i>Journal of Archaeological Science</i> , <b>2011</b> , 38, 3549-3554	2.9	26
51	Population-level genotyping of coat colour polymorphism in woolly mammoth ( <i>Mammuthus primigenius</i> ). <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 2304-2308	3.9	7
50	Skyline-plot methods for estimating demographic history from nucleotide sequences. <i>Molecular Ecology Resources</i> , <b>2011</b> , 11, 423-34	8.4	308
49	Ancient hybridization and an Irish origin for the modern polar bear matriline. <i>Current Biology</i> , <b>2011</b> , 21, 1251-8	6.3	203
48	True single-molecule DNA sequencing of a pleistocene horse bone. <i>Genome Research</i> , <b>2011</b> , 21, 1705-19	9.7	99
47	Genomic analysis of hepatitis B virus reveals antigen state and genotype as sources of evolutionary rate variation. <i>Viruses</i> , <b>2011</b> , 3, 83-101	6.2	42
46	Modern and ancient DNA reveal recent partial replacement of caribou in the southwest Yukon. <i>Molecular Ecology</i> , <b>2010</b> , 19, 1312-23	5.7	27
45	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> , <b>2010</b> , 107, 5675-80	11.5	175
44	Using time-structured data to estimate evolutionary rates of double-stranded DNA viruses. <i>Molecular Biology and Evolution</i> , <b>2010</b> , 27, 2038-51	8.3	178
43	Ancient DNA typing of archaeological pig remains corroborates historical records. <i>Journal of Archaeological Science</i> , <b>2010</b> , 37, 174-177	2.9	9
42	Analysis of ancient human genomes: using next generation sequencing, 20-fold coverage of the genome of a 4,000-year-old human from Greenland has been obtained. <i>BioEssays</i> , <b>2010</b> , 32, 388-91	4.1	17
41	A complete mitochondrial genome sequence from a mesolithic wild aurochs ( <i>Bos primigenius</i> ). <i>PLoS ONE</i> , <b>2010</b> , 5, e9255	3.7	64

40	Insights into the evolutionary history of an emerging livestock pathogen: porcine circovirus 2. <i>Journal of Virology</i> , <b>2009</b> , 83, 12813-21	6.6	166
39	Accommodating the effect of ancient DNA damage on inferences of demographic histories. <i>Molecular Biology and Evolution</i> , <b>2009</b> , 26, 245-8	8.3	77
38	The global spread of hepatitis C virus 1a and 1b: a phylodynamic and phylogeographic analysis. <i>PLoS Medicine</i> , <b>2009</b> , 6, e1000198	11.6	152
37	Is amino acid racemization a useful tool for screening for ancient DNA in bone?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 2971-7	4.4	59
36	Phylogeography of lions ( <i>Panthera leo</i> ssp.) reveals three distinct taxa and a late Pleistocene reduction in genetic diversity. <i>Molecular Ecology</i> , <b>2009</b> , 18, 1668-77	5.7	123
35	Mid-Holocene vertebrate bone Concentration-Lagerstätte on oceanic island Mauritius provides a window into the ecosystem of the dodo ( <i>Raphus cucullatus</i> ). <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 14-24	2.9	40
34	The Late Pleistocene distribution of vicuñas ( <i>Vicugna vicugna</i> ) and the extinction of the gracile llama ( <i>Lama gracilis</i> ): New molecular data. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 1369-1373	3.9	26
33	A late Pleistocene steppe bison ( <i>Bison priscus</i> ) partial carcass from Tsiigehtchic, Northwest Territories, Canada. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 2734-2742	3.9	33
32	Engineered polymerases amplify the potential of ancient DNA. <i>Trends in Biotechnology</i> , <b>2008</b> , 26, 285-7	15.1	15
31	Correlating Bayesian date estimates with climatic events and domestication using a bovine case study. <i>Biology Letters</i> , <b>2008</b> , 4, 370-4	3.6	68
30	Late Pleistocene northward-dispersing <i>Bison antiquus</i> from the Bighill Creek Formation, Gallelli Gravel Pit, Alberta, Canada, and the fate of <i>Bison occidentalis</i> . <i>Canadian Journal of Earth Sciences</i> , <b>2008</b> , 45, 827-859	1.5	31
29	Comment on "Protein sequences from mastodon and <i>Tyrannosaurus rex</i> revealed by mass spectrometry". <i>Science</i> , <b>2008</b> , 319, 33; author reply 33	33.3	106
28	The effect of inappropriate calibration: three case studies in molecular ecology. <i>PLoS ONE</i> , <b>2008</b> , 3, e16157	15.7	178
27	Ancient DNA analysis indicates the first English lions originated from North Africa. <i>Contributions To Zoology</i> , <b>2008</b> , 77, 7-16	1.6	10
26	Evidence for time dependency of molecular rate estimates. <i>Systematic Biology</i> , <b>2007</b> , 56, 515-22	8.4	222
25	Genetic structure and extinction of the woolly mammoth, <i>Mammuthus primigenius</i> . <i>Current Biology</i> , <b>2007</b> , 17, 1072-5	6.3	104
24	Synonymous substitution rates predict HIV disease progression as a result of underlying replication dynamics. <i>PLoS Computational Biology</i> , <b>2007</b> , 3, e29	5	138
23	Mitochondrial DNA analysis shows a Near Eastern Neolithic origin for domestic cattle and no indication of domestication of European aurochs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 1377-85	4.4	179

22	Bayesian estimation of sequence damage in ancient DNA. <i>Molecular Biology and Evolution</i> , <b>2007</b> , 24, 1416-32	47
21	Ancient papillomavirus-host co-speciation in Felidae. <i>Genome Biology</i> , <b>2007</b> , 8, R57	18.3 124
20	Ancient DNA chronology within sediment deposits: are paleobiological reconstructions possible and is DNA leaching a factor?. <i>Molecular Biology and Evolution</i> , <b>2007</b> , 24, 982-9	8.3 145
19	A phylogenetic method for detecting positive epistasis in gene sequences and its application to RNA virus evolution. <i>Molecular Biology and Evolution</i> , <b>2006</b> , 23, 1724-30	8.3 39
18	Metagenomics to paleogenomics: large-scale sequencing of mammoth DNA. <i>Science</i> , <b>2006</b> , 311, 392-4	33.3 435
17	Ancient DNA provides new insights into the evolutionary history of New Zealand's extinct giant eagle. <i>PLoS Biology</i> , <b>2005</b> , 3, e9	9.7 57
16	Ancient mitochondrial DNA from hair. <i>Current Biology</i> , <b>2004</b> , 14, R463-4	6.3 105
15	Rise and fall of the Beringian steppe bison. <i>Science</i> , <b>2004</b> , 306, 1561-5	33.3 518
14	Diverse plant and animal genetic records from Holocene and Pleistocene sediments. <i>Science</i> , <b>2003</b> , 300, 791-5	33.3 424
13	Beringia as an Ice Age genetic museum. <i>Quaternary Research</i> , <b>2003</b> , 60, 94-100	1.9 21
12	Flight of the dodo. <i>Science</i> , <b>2002</b> , 295, 1683	33.3 122
11	Archaeological Recovery of Late Pleistocene Hair and Environmental DNA from Interior Alaska. <i>Environmental Archaeology</i> , 1-16	1.2 1
10	Depletion of hemoglobin transcripts and long read sequencing improves the transcriptome annotation of the polar bear ( <i>Ursus maritimus</i> )	1
9	Complex admixture preceded and followed the extinction of wisent in the wild	2
8	Natural selection shaped the rise and fall of passenger pigeon genomic diversity	1
7	Highly accurate long-read HiFi sequencing data for five complex genomes	2
6	Towards complete and error-free genome assemblies of all vertebrate species	38
5	A Biodiversity Composition Map of California Derived from Environmental DNA Metabarcoding and Earth Observation	3

4	Early Pleistocene enamel proteome sequences from Dmanisi resolve <i>Stephanorhinus</i> phylogeny	5
3	Mountain lion genomes provide insights into genetic rescue of inbred populations	3
2	The California environmental DNA (eDNA) program	8
1	Isotopic Evidence for Long-Distance Connections of the AD Thirteenth-Century Promontory Caves Occupants. <i>American Antiquity</i> ,1-23	0.9 2