

Guo-Jie Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

33,847
citations

7551

77
h-index

4750

169
g-index

247
all docs

247
docs citations

247
times ranked

35939
citing authors

#	ARTICLE	IF	CITATIONS
19	The locust genome provides insight into swarm formation and long-distance flight. <i>Nature Communications</i> , 2014, 5, 2957.	5.8	437
20	Deep RNA sequencing at single base-pair resolution reveals high complexity of the rice transcriptome. <i>Genome Research</i> , 2010, 20, 646-654.	2.4	435
21	Genomic Comparison of the Ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Science</i> , 2010, 329, 1068-1071.	6.0	420
22	The draft genomes of soft-shell turtle and green sea turtle yield insights into the development and evolution of the turtle-specific body plan. <i>Nature Genetics</i> , 2013, 45, 701-706.	9.4	409
23	Whole-genome sequence of <i>Schistosoma haematobium</i> . <i>Nature Genetics</i> , 2012, 44, 221-225.	9.4	383
24	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014, 346, 1256-846.	6.0	379
25	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014, 5, 3636.	5.8	371
26	Population Genomics Reveal Recent Speciation and Rapid Evolutionary Adaptation in Polar Bears. <i>Cell</i> , 2014, 157, 785-794.	13.5	363
27	Genome-wide and Caste-Specific DNA Methylomes of the Ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Current Biology</i> , 2012, 22, 1755-1764.	1.8	361
28	The i5K Initiative: Advancing Arthropod Genomics for Knowledge, Human Health, Agriculture, and the Environment. <i>Journal of Heredity</i> , 2013, 104, 595-600.	1.0	358
29	Genomic signatures of evolutionary transitions from solitary to group living. <i>Science</i> , 2015, 348, 1139-1143.	6.0	357
30	Epigenetic modification and inheritance in sexual reversal of fish. <i>Genome Research</i> , 2014, 24, 604-615.	2.4	356
31	Single base-resolution methylome of the silkworm reveals a sparse epigenomic map. <i>Nature Biotechnology</i> , 2010, 28, 516-520.	9.4	349
32	Complete Resequencing of 40 Genomes Reveals Domestication Events and Genes in Silkworm (<i>Bombyx mori</i>). <i>PLoS ONE</i> , 2014, 9, e101111.	6.0	342
33	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , 2014, 346, 1254-449.	6.0	300
34	Genome sequencing and comparison of two nonhuman primate animal models, the cynomolgus and Chinese rhesus macaques. <i>Nature Biotechnology</i> , 2011, 29, 1019-1023.	9.4	284
35	Genome of the Chinese tree shrew. <i>Nature Communications</i> , 2013, 4, 1426.	5.8	284
36	Single-base resolution maps of cultivated and wild rice methylomes and regulatory roles of DNA methylation in plant gene expression. <i>BMC Genomics</i> , 2012, 13, 300.	1.2	266

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37	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <i>Science</i> , 2019, 364, .	6.0	266
38	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014, 346, 1246338.	6.0	258
39	Progressive Cactus is a multiple-genome aligner for the thousand-genome era. <i>Nature</i> , 2020, 587, 246-251.	13.7	256
40	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020, 587, 252-257.	13.7	251
41	<i>Ascaris suum</i> draft genome. <i>Nature</i> , 2011, 479, 529-533.	13.7	246
42	Complementary symbiont contributions to plant decomposition in a fungus-farming termite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14500-14505.	3.3	243
43	Temporal Dynamics of Avian Populations during Pleistocene Revealed by Whole-Genome Sequences. <i>Current Biology</i> , 2015, 25, 1375-1380.	1.8	243
44	On the origin of new genes in <i>Drosophila</i> . <i>Genome Research</i> , 2008, 18, 1446-1455.	2.4	240
45	Genomic Diversity and Evolution of the Head Crest in the Rock Pigeon. <i>Science</i> , 2013, 339, 1063-1067.	6.0	230
46	Draft genome sequence of the Tibetan antelope. <i>Nature Communications</i> , 2013, 4, 1858.	5.8	229
47	The Genome of <i>Dendrobium officinale</i> Illuminates the Biology of the Important Traditional Chinese Orchid Herb. <i>Molecular Plant</i> , 2015, 8, 922-934.	3.9	228
48	Genome analysis reveals insights into physiology and longevity of the Brandt's bat <i>Myotis brandtii</i> . <i>Nature Communications</i> , 2013, 4, 2212.	5.8	213
49	The genome of the leaf-cutting ant <i>Acromyrmex echinator</i> suggests key adaptations to advanced social life and fungus farming. <i>Genome Research</i> , 2011, 21, 1339-1348.	2.4	210
50	High Rate of Chimeric Gene Origination by Retroposition in Plant Genomes. <i>Plant Cell</i> , 2006, 18, 1791-1802.	3.1	207
51	The genome and transcriptome of Japanese flounder provide insights into flatfish asymmetry. <i>Nature Genetics</i> , 2017, 49, 119-124.	9.4	178
52	Genomic legacy of the African cheetah, <i>Acinonyx jubatus</i> . <i>Genome Biology</i> , 2015, 16, 277.	3.8	167
53	Adaptations to a Subterranean Environment and Longevity Revealed by the Analysis of Mole Rat Genomes. <i>Cell Reports</i> , 2014, 8, 1354-1364.	2.9	162
54	Whole-genome sequence of the Tibetan frog <i>Nanorana parkeri</i> and the comparative evolution of tetrapod genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1257-62.	3.3	159

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55	Preparation of Pd@Au/C catalysts with different alloying degree and their electrocatalytic performance for formic acid oxidation. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 614-619.	10.8	155
56	Outbred genome sequencing and CRISPR/Cas9 gene editing in butterflies. <i>Nature Communications</i> , 2015, 6, 8212.	5.8	146
57	863 genomes reveal the origin and domestication of chicken. <i>Cell Research</i> , 2020, 30, 693-701.	5.7	144
58	The Genome of the Clonal Raider Ant <i>Cerapachys biroi</i> . <i>Current Biology</i> , 2014, 24, 451-458.	1.8	143
59	A near-chromosome-scale genome assembly of the gemsbok (<i>Oryx gazella</i>): an iconic antelope of the Kalahari desert. <i>GigaScience</i> , 2019, 8, .	3.3	138
60	The era of reference genomes in conservation genomics. <i>Trends in Ecology and Evolution</i> , 2022, 37, 197-202.	4.2	138
61	Comparative performance of the BGISEQ-500 vs Illumina HiSeq2500 sequencing platforms for palaeogenomic sequencing. <i>GigaScience</i> , 2017, 6, 1-13.	3.3	137
62	Bird sequencing project takes off. <i>Nature</i> , 2015, 522, 34-34.	13.7	136
63	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. <i>Nature Communications</i> , 2014, 5, 5594.	5.8	135
64	Comparative genomics of parasitic silkworm microsporidia reveal an association between genome expansion and host adaptation. <i>BMC Genomics</i> , 2013, 14, 186.	1.2	127
65	Genome of <i>Drosophila suzukii</i> , the Spotted Wing <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 2257-2271.	0.8	126
66	The sequence and analysis of a Chinese pig genome. <i>GigaScience</i> , 2012, 1, 16.	3.3	125
67	Reference-assisted chromosome assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1785-1790.	3.3	124
68	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
69	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
70	Genetic basis of ruminant headgear and rapid antler regeneration. <i>Science</i> , 2019, 364, .	6.0	121
71	Comparative genomic data of the Avian Phylogenomics Project. <i>GigaScience</i> , 2014, 3, 26.	3.3	117
72	Red fox genome assembly identifies genomic regions associated with tame and aggressive behaviours. <i>Nature Ecology and Evolution</i> , 2018, 2, 1479-1491.	3.4	113

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73	The genomic consequences of adaptive divergence and reproductive isolation between species of manakins. <i>Molecular Ecology</i> , 2013, 22, 3304-3317.	2.0	108
74	Reciprocal genomic evolution in the ant-fungus agricultural symbiosis. <i>Nature Communications</i> , 2016, 7, 12233.	5.8	106
75	Reference genome of wild goat (<i>capra aegagrus</i>) and sequencing of goat breeds provide insight into genic basis of goat domestication. <i>BMC Genomics</i> , 2015, 16, 431.	1.2	103
76	Evidence for a single loss of mineralized teeth in the common avian ancestor. <i>Science</i> , 2014, 346, 1254390.	6.0	99
77	African lungfish genome sheds light on the vertebrate water-to-land transition. <i>Cell</i> , 2021, 184, 1362-1376.e18.	13.5	99
78	High-coverage sequencing and annotated assembly of the genome of the Australian dragon lizard <i>Pogona vitticeps</i> . <i>GigaScience</i> , 2015, 4, 45.	3.3	97
79	The Genomic Footprints of the Fall and Recovery of the Crested Ibis. <i>Current Biology</i> , 2019, 29, 340-349.e7.	1.8	94
80	Evolutionary trajectories of snake genes and genomes revealed by comparative analyses of five-pacer viper. <i>Nature Communications</i> , 2016, 7, 13107.	5.8	88
81	The origin of domestication genes in goats. <i>Science Advances</i> , 2020, 6, eaaz5216.	4.7	86
82	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , 2021, 592, 756-762.	13.7	85
83	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
84	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
85	High-coverage sequencing and annotated assemblies of the budgerigar genome. <i>GigaScience</i> , 2014, 3, 11.	3.3	75
86	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015, 32, 2832-2843.	3.5	73
87	The draft genome of a socially polymorphic halictid bee, <i>Lasioglossum albipes</i> . <i>Genome Biology</i> , 2013, 14, R142.	13.9	72
88	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
89	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015, 4, 4.	3.3	72
90	Constrained vertebrate evolution by pleiotropic genes. <i>Nature Ecology and Evolution</i> , 2017, 1, 1722-1730.	3.4	72

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91	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
92	A Young <i>Drosophila</i> Duplicate Gene Plays Essential Roles in Spermatogenesis by Regulating Several Y-Linked Male Fertility Genes. <i>PLoS Genetics</i> , 2010, 6, e1001255.	1.5	68
93	The genome of the golden apple snail <i>Pomacea canaliculata</i> provides insight into stress tolerance and invasive adaptation. <i>GigaScience</i> , 2018, 7, .	3.3	68
94	Dynamic evolutionary history and gene content of sex chromosomes across diverse songbirds. <i>Nature Ecology and Evolution</i> , 2019, 3, 834-844.	3.4	68
95	Tracing the genetic footprints of vertebrate landing in non-teleost ray-finned fishes. <i>Cell</i> , 2021, 184, 1377-1391.e14.	13.5	66
96	Deciphering neo-sex and B chromosome evolution by the draft genome of <i>Drosophila albomicans</i> . <i>BMC Genomics</i> , 2012, 13, 109.	1.2	64
97	Functional roles of Aves class-specific cis-regulatory elements on macroevolution of bird-specific features. <i>Nature Communications</i> , 2017, 8, 14229.	5.8	61
98	Low frequency of paleoviral infiltration across the avian phylogeny. <i>Genome Biology</i> , 2014, 15, 539.	3.8	60
99	Caste-specific RNA editomes in the leaf-cutting ant <i>Acromyrmex echinatior</i> . <i>Nature Communications</i> , 2014, 5, 4943.	5.8	60
100	A genomic comparison of two termites with different social complexity. <i>Frontiers in Genetics</i> , 2015, 6, 9.	1.1	60
101	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <i>BMC Genomics</i> , 2015, 16, 751.	1.2	58
102	RES-Scanner: a software package for genome-wide identification of RNA-editing sites. <i>GigaScience</i> , 2016, 5, 37.	3.3	55
103	Draft genome of the leopard gecko, <i>Eublepharis macularius</i> . <i>GigaScience</i> , 2016, 5, 47.	3.3	55
104	Cephalopod genomics: A plan of strategies and organization. <i>Standards in Genomic Sciences</i> , 2012, 7, 175-188.	1.5	53
105	Response to Comment on "Whole-genome analyses resolve early branches in the tree of life of modern birds". <i>Science</i> , 2015, 349, 1460-1460.	6.0	53
106	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	51
107	Ancient and modern genomes unravel the evolutionary history of the rhinoceros family. <i>Cell</i> , 2021, 184, 4874-4885.e16.	13.5	49
108	Comparative methylomics between domesticated and wild silkworms implies possible epigenetic influences on silkworm domestication. <i>BMC Genomics</i> , 2013, 14, 646.	1.2	47

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109	Advances in genome editing technology and its promising application in evolutionary and ecological studies. <i>GigaScience</i> , 2014, 3, 24.	3.3	47
110	A flock of genomes. <i>Science</i> , 2014, 346, 1308-1309.	6.0	46
111	Genomic takeover by transposable elements in the Strawberry poison frog. <i>Molecular Biology and Evolution</i> , 2014, 35, 2913-2927.	3.5	45
112	Genomic and transcriptomic investigations of the evolutionary transition from oviparity to viviparity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3646-3655.	3.3	43
113	Genome and single-cell RNA-sequencing of the earthworm <i>Eisenia andrei</i> identifies cellular mechanisms underlying regeneration. <i>Nature Communications</i> , 2020, 11, 2656.	5.8	43
114	Diverse coral reef invertebrates exhibit patterns of phyllosymbiosis. <i>ISME Journal</i> , 2020, 14, 2211-2222.	4.4	43
115	Chromosomal level assembly and population sequencing of the Chinese tree shrew genome. <i>Zoological Research</i> , 2019, 40, 506-521.	0.9	43
116	Incomplete lineage sorting and phenotypic evolution in marsupials. <i>Cell</i> , 2022, 185, 1646-1660.e18.	13.5	43
117	Evolutionary and biomedical insights from a marmoset diploid genome assembly. <i>Nature</i> , 2021, 594, 227-233.	13.7	42
118	Temporal genomic evolution of bird sex chromosomes. <i>BMC Evolutionary Biology</i> , 2014, 14, 250.	3.2	41
119	Pre-extinction Demographic Stability and Genomic Signatures of Adaptation in the Woolly Rhinoceros. <i>Current Biology</i> , 2020, 30, 3871-3879.e7.	1.8	41
120	Towards reconstructing the ancestral brain gene-network regulating caste differentiation in ants. <i>Nature Ecology and Evolution</i> , 2018, 2, 1782-1791.	3.4	40
121	Evolution of gene regulation in ruminants differs between evolutionary breakpoint regions and homologous synteny blocks. <i>Genome Research</i> , 2019, 29, 576-589.	2.4	39
122	Historical population declines prompted significant genomic erosion in the northern and southern white rhinoceros (<i>Ceratotherium simum</i>). <i>Molecular Ecology</i> , 2021, 30, 6355-6369.	2.0	39
123	Identification and characterization of insect-specific proteins by genome data analysis. <i>BMC Genomics</i> , 2007, 8, 93.	1.2	38
124	The Mutationathon highlights the importance of reaching standardization in estimates of pedigree-based germline mutation rates. <i>ELife</i> , 2022, 11, .	2.8	38
125	Developmental plasticity shapes social traits and selection in a facultatively eusocial bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13615-13625.	3.3	37
126	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020, 9, .	3.3	37

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127	Mitogenomes Uncover Extinct Penguin Taxa and Reveal Island Formation as a Key Driver of Speciation. <i>Molecular Biology and Evolution</i> , 2019, 36, 784-797.	3.5	36
128	A new duck genome reveals conserved and convergently evolved chromosome architectures of birds and mammals. <i>GigaScience</i> , 2021, 10, .	3.3	36
129	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, <i>Homotherium latidens</i> . <i>Current Biology</i> , 2020, 30, 5018-5025.e5.	1.8	34
130	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. <i>Nature Communications</i> , 2017, 8, 1550.	5.8	33
131	Standards recommendations for the Earth BioGenome Project. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	33
132	The genome of the largest bony fish, ocean sunfish (<i>Mola mola</i>), provides insights into its fast growth rate. <i>GigaScience</i> , 2016, 5, 36.	3.3	32
133	In-Depth Transcriptomic Analysis on Giant Freshwater Prawns. <i>PLoS ONE</i> , 2013, 8, e60839.	1.1	32
134	Multi-omic detection of <i>Mycobacterium leprae</i> in archaeological human dental calculus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190584.	1.8	31
135	A flock of genomes. <i>Science</i> , 2014, 346, 1308-1309.	6.0	31
136	Genome sequence of a diabetes-prone rodent reveals a mutation hotspot around the <i>ParaHox</i> gene cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7677-7682.	3.3	30
137	A new emu genome illuminates the evolution of genome configuration and nuclear architecture of avian chromosomes. <i>Genome Research</i> , 2021, 31, 497-511.	2.4	30
138	Improving the ostrich genome assembly using optical mapping data. <i>GigaScience</i> , 2015, 4, 24.	3.3	28
139	Avianbase: a community resource for bird genomics. <i>Genome Biology</i> , 2015, 16, 21.	3.8	28
140	An Effort to Use Human-Based Exome Capture Methods to Analyze Chimpanzee and Macaque Exomes. <i>PLoS ONE</i> , 2012, 7, e40637.	1.1	28
141	Synthesis and Electrocatalytic Properties of Palladium Network Nanostructures. <i>ChemPlusChem</i> , 2012, 77, 936-940.	1.3	27
142	Evolutionary Genomics and Adaptive Evolution of the Hedgehog Gene Family (<i>Shh</i> , <i>lhh</i> and <i>Dhh</i>) in Vertebrates. <i>PLoS ONE</i> , 2014, 9, e74132.	1.1	27
143	Comparative Phylogenomics, a Stepping Stone for Bird Biodiversity Studies. <i>Diversity</i> , 2019, 11, 115.	0.7	26
144	The germline mutational process in rhesus macaque and its implications for phylogenetic dating. <i>GigaScience</i> , 2021, 10, .	3.3	26

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145	Draft genome of the Marco Polo Sheep (<i>Ovis ammon polii</i>). <i>GigaScience</i> , 2017, 6, 1-7.	3.3	25
146	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. <i>Diversity</i> , 2019, 11, 131.	0.7	25
147	Response of an Afro-Palearctic bird migrant to glaciation cycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
148	Evolutionary History, Genomic Adaptation to Toxic Diet, and Extinction of the Carolina Parakeet. <i>Current Biology</i> , 2020, 30, 108-114.e5.	1.8	24
149	Genomic regions influencing aggressive behavior in honey bees are defined by colony allele frequencies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17135-17141.	3.3	24
150	Sequencing, de novo assembling, and annotating the genome of the endangered Chinese crocodile lizard <i>Shinisaurus crocodilurus</i> . <i>GigaScience</i> , 2017, 6, 1-6.	3.3	23
151	Deep parallel sequencing reveals conserved and novel miRNAs in gill and hepatopancreas of giant freshwater prawn. <i>Fish and Shellfish Immunology</i> , 2013, 35, 1061-1069.	1.6	22
152	Draft genome of the milu (<i>Elaphurus davidianus</i>). <i>GigaScience</i> , 2018, 7, .	3.3	22
153	The evolution of ancestral and species-specific adaptations in snowfinches at the Qinghai-Tibet Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
154	Large-scale genomic analysis reveals the genetic cost of chicken domestication. <i>BMC Biology</i> , 2021, 19, 118.	1.7	22
155	Transcriptome and Network Changes in Climbers at Extreme Altitudes. <i>PLoS ONE</i> , 2012, 7, e31645.	1.1	21
156	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. <i>Genome Biology and Evolution</i> , 2016, 8, 1115-1131.	1.1	20
157	Relaxed selection underlies genome erosion in socially parasitic ant species. <i>Nature Communications</i> , 2021, 12, 2918.	5.8	20
158	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee (<i>Halictidae: Nomia melanderi</i>). <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 625-634.	0.8	19
159	Modes of genetic adaptations underlying functional innovations in the rumen. <i>Science China Life Sciences</i> , 2021, 64, 1-21.	2.3	19
160	Neuroprotectants attenuate hypobaric hypoxia-induced brain injuries in cynomolgus monkeys. <i>Zoological Research</i> , 2020, 41, 3-19.	0.9	19
161	A complete, telomere-to-telomere human genome sequence presents new opportunities for evolutionary genomics. <i>Nature Methods</i> , 2022, 19, 635-638.	9.0	19
162	Ancient population genomics and the study of evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130381.	1.8	18

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163	High-coverage genomes to elucidate the evolution of penguins. <i>GigaScience</i> , 2019, 8, .	3.3	18
164	Detoxification Genes Differ Between Cactus-, Fruit-, and Flower-Feeding <i>Drosophila</i> . <i>Journal of Heredity</i> , 2019, 110, 80-91.	1.0	17
165	Phylogenomic analyses of the genus <i>Drosophila</i> reveals genomic signals of climate adaptation. <i>Molecular Ecology Resources</i> , 2022, 22, 1559-1581.	2.2	15
166	A single-cell transcriptomic atlas tracking the neural basis of division of labour in an ant superorganism. <i>Nature Ecology and Evolution</i> , 2022, 6, 1191-1204.	3.4	15
167	Construction of Red Fox Chromosomal Fragments from the Short-Read Genome Assembly. <i>Genes</i> , 2018, 9, 308.	1.0	14
168	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. <i>IScience</i> , 2020, 23, 101640.	1.9	14
169	Ancient proteins resolve controversy over the identity of <i>Genyornis</i> eggshell. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	14
170	An integrated chromosome-scale genome assembly of the Masai giraffe (<i>Giraffa camelopardalis</i>)	3.3	13
171	Triangulation of the human, chimpanzee, and Neanderthal genome sequences identifies potentially compensated mutations. <i>Human Mutation</i> , 2010, 31, 1286-1293.	1.1	12
172	Bone-associated gene evolution and the origin of flight in birds. <i>BMC Genomics</i> , 2016, 17, 371.	1.2	12
173	Avian Binocularity and Adaptation to Nocturnal Environments: Genomic Insights from a Highly Derived Visual Phenotype. <i>Genome Biology and Evolution</i> , 2019, 11, 2244-2255.	1.1	12
174	Comparative study on pattern recognition receptors in non-teleost ray-finned fishes and their evolutionary significance in primitive vertebrates. <i>Science China Life Sciences</i> , 2019, 62, 566-578.	2.3	12
175	The gene expression network regulating queen brain remodeling after insemination and its parallel use in ants with reproductive workers. <i>Science Advances</i> , 2020, 6, .	4.7	12
176	31° South: The physiology of adaptation to arid conditions in a passerine bird. <i>Molecular Ecology</i> , 2019, 28, 3709-3721.	2.0	11
177	Testing cophylogeny between coral reef invertebrates and their bacterial and archaeal symbionts. <i>Molecular Ecology</i> , 2021, 30, 3768-3782.	2.0	11
178	The bird's-eye view on chromosome evolution. <i>Genome Biology</i> , 2018, 19, 201.	3.8	10
179	Identification and evolution of avian endogenous foamy viruses. <i>Virus Evolution</i> , 2019, 5, vez049.	2.2	10
180	Chromatin accessibility and transcriptome landscapes of <i>Monomorium pharaonis</i> brain. <i>Scientific Data</i> , 2020, 7, 217.	2.4	10

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181	Phylogeny and sex chromosome evolution of Palaeognathae. <i>Journal of Genetics and Genomics</i> , 2022, 49, 109-119.	1.7	10
182	Adaptation and Cryptic Pseudogenization in Penguin Toll-Like Receptors. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	10
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200	Multiple origins of a frameshift insertion in a mitochondrial gene in birds and turtles. <i>GigaScience</i> , 2021, 10, .	3.3	3
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202	Validation of Potential Reference Genes for Real-Time qPCR Analysis in Pharaoh Ant, <i>Monomorium pharaonis</i> (Hymenoptera: Formicidae). <i>Frontiers in Physiology</i> , 2022, 13, 852357.	1.3	3
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204	The first AsiaEvo conference, connecting Asian evolutionary biologists to the world. <i>National Science Review</i> , 2018, 5, 614-616.	4.6	1
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