

Guo-Jie Zhang

List of Publications by Citations

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210
papers

23,089
citations

69
h-index

151
g-index

247
ext. papers

29,592
ext. citations

15.5
avg, IF

6.01
L-index

#	Paper	IF	Citations
210	The oyster genome reveals stress adaptation and complexity of shell formation. <i>Nature</i> , 2012 , 490, 49-54	50.4	1464
209	Whole-genome analyses resolve early branches in the tree of life of modern birds. <i>Science</i> , 2014 , 346, 1320-31	33.3	1182
208	The genome of the cucumber, <i>Cucumis sativus</i> L. <i>Nature Genetics</i> , 2009 , 41, 1275-81	36.3	1031
207	Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , 2012 , 491, 393-8	50.4	928
206	The sequence and de novo assembly of the giant panda genome. <i>Nature</i> , 2010 , 463, 311-7	50.4	864
205	The diploid genome sequence of an Asian individual. <i>Nature</i> , 2008 , 456, 60-5	50.4	744
204	Resequencing 50 accessions of cultivated and wild rice yields markers for identifying agronomically important genes. <i>Nature Biotechnology</i> , 2011 , 30, 105-11	44.5	635
203	Comparative genomics reveals insights into avian genome evolution and adaptation. <i>Science</i> , 2014 , 346, 1311-20	33.3	628
202	Recalibrating <i>Equus</i> evolution using the genome sequence of an early Middle Pleistocene horse. <i>Nature</i> , 2013 , 499, 74-8	50.4	563
201	Whole-genome sequence of a flatfish provides insights into ZW sex chromosome evolution and adaptation to a benthic lifestyle. <i>Nature Genetics</i> , 2014 , 46, 253-60	36.3	509
200	The yak genome and adaptation to life at high altitude. <i>Nature Genetics</i> , 2012 , 44, 946-9	36.3	472
199	Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013 , 2, 10	7.6	461
198	Genome sequencing reveals insights into physiology and longevity of the naked mole rat. <i>Nature</i> , 2011 , 479, 223-7	50.4	410
197	Comparative analysis of bat genomes provides insight into the evolution of flight and immunity. <i>Science</i> , 2013 , 339, 456-60	33.3	377
196	Deep RNA sequencing at single base-pair resolution reveals high complexity of the rice transcriptome. <i>Genome Research</i> , 2010 , 20, 646-54	9.7	375
195	Sequencing and automated whole-genome optical mapping of the genome of a domestic goat (<i>Capra hircus</i>). <i>Nature Biotechnology</i> , 2013 , 31, 135-41	44.5	355
194	Genomic comparison of the ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Science</i> , 2010 , 329, 1068-71	33.3	353

193	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	11.5	334
192	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
191	Whole-genome sequence of <i>Schistosoma haematobium</i> . <i>Nature Genetics</i> , 2012 , 44, 221-5	36.3	325
190	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	36.3	299
189	The locust genome provides insight into swarm formation and long-distance flight. <i>Nature Communications</i> , 2014 , 5, 2957	17.4	294
188	Single base-resolution methylome of the silkworm reveals a sparse epigenomic map. <i>Nature Biotechnology</i> , 2010 , 28, 516-20	44.5	288
187	Convergent transcriptional specializations in the brains of humans and song-learning birds. <i>Science</i> , 2014 , 346, 1256846	33.3	283
186	Complete resequencing of 40 genomes reveals domestication events and genes in silkworm (<i>Bombyx</i>). <i>Science</i> , 2009 , 326, 433-6	33.3	277
185	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, 1755-64	6.3	266
184	Social evolution. Genomic signatures of evolutionary transitions from solitary to group living. <i>Science</i> , 2015 , 348, 1139-43	33.3	256
183	The i5K Initiative: advancing arthropod genomics for knowledge, human health, agriculture, and the environment. <i>Journal of Heredity</i> , 2013 , 104, 595-600	2.4	253
182	Molecular traces of alternative social organization in a termite genome. <i>Nature Communications</i> , 2014 , 5, 3636	17.4	250
181	Epigenetic modification and inheritance in sexual reversal of fish. <i>Genome Research</i> , 2014 , 24, 604-15	9.7	244
180	Population genomics reveal recent speciation and rapid evolutionary adaptation in polar bears. <i>Cell</i> , 2014 , 157, 785-94	56.2	242
179	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , 2014 , 346, 1254449	33.3	231
178	Genome of the Chinese tree shrew. <i>Nature Communications</i> , 2013 , 4, 1426	17.4	230
177	Genome sequencing and comparison of two nonhuman primate animal models, the cynomolgus and Chinese rhesus macaques. <i>Nature Biotechnology</i> , 2011 , 29, 1019-23	44.5	219
176	<i>Ascaris suum</i> draft genome. <i>Nature</i> , 2011 , 479, 529-33	50.4	217

175	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	4.5	202
174	On the origin of new genes in <i>Drosophila</i> . <i>Genome Research</i> , 2008 , 18, 1446-55	9.7	191
173	Complex evolutionary trajectories of sex chromosomes across bird taxa. <i>Science</i> , 2014 , 346, 1246338	33.3	184
172	The genome of the leaf-cutting ant <i>Acromyrmex echinatior</i> suggests key adaptations to advanced social life and fungus farming. <i>Genome Research</i> , 2011 , 21, 1339-48	9.7	183
171	High rate of chimeric gene origination by retroposition in plant genomes. <i>Plant Cell</i> , 2006 , 18, 1791-802	11.6	183
170	Genomic diversity and evolution of the head crest in the rock pigeon. <i>Science</i> , 2013 , 339, 1063-7	33.3	169
169	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, 14500-5	11.5	163
168	Draft genome sequence of the Tibetan antelope. <i>Nature Communications</i> , 2013 , 4, 1858	17.4	162
167	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021 , 592, 737-746	36.4	161
166	Genome analysis reveals insights into physiology and longevity of the Brandt's bat <i>Myotis brandtii</i> . <i>Nature Communications</i> , 2013 , 4, 2212	17.4	160
165	The Genome of <i>Dendrobium officinale</i> Illuminates the Biology of the Important Traditional Chinese Orchid Herb. <i>Molecular Plant</i> , 2015 , 8, 922-34	14.4	145
164	Preparation of PdAu/C catalysts with different alloying degree and their electrocatalytic performance for formic acid oxidation. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 614-619	21.8	140
163	Temporal Dynamics of Avian Populations during Pleistocene Revealed by Whole-Genome Sequences. <i>Current Biology</i> , 2015 , 25, 1375-80	6.3	135
162	The genome and transcriptome of Japanese flounder provide insights into flatfish asymmetry. <i>Nature Genetics</i> , 2017 , 49, 119-124	36.3	133
161	Adaptations to a subterranean environment and longevity revealed by the analysis of mole rat genomes. <i>Cell Reports</i> , 2014 , 8, 1354-64	10.6	124
160	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	11.5	122
159	Large-scale ruminant genome sequencing provides insights into their evolution and distinct traits. <i>Science</i> , 2019 , 364,	33.3	120
158	Outbred genome sequencing and CRISPR/Cas9 gene editing in butterflies. <i>Nature Communications</i> , 2015 , 6, 8212	17.4	111

157	The genome of the clonal raider ant <i>Cerapachys biroi</i> . <i>Current Biology</i> , 2014 , 24, 451-8	6.3	110
156	Comparative genomics of parasitic silkworm microsporidia reveal an association between genome expansion and host adaptation. <i>BMC Genomics</i> , 2013 , 14, 186	4.5	105
155	Genomic legacy of the African cheetah, <i>Acinonyx jubatus</i> . <i>Genome Biology</i> , 2015 , 16, 277	18.3	99
154	Genomics: Bird sequencing project takes off. <i>Nature</i> , 2015 , 522, 34	50.4	97
153	Reference-assisted chromosome assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1785-90	11.5	96
152	Comparative genomic data of the Avian Phylogenomics Project. <i>GigaScience</i> , 2014 , 3, 26	7.6	91
151	The sequence and analysis of a Chinese pig genome. <i>GigaScience</i> , 2012 , 1, 16	7.6	91
150	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. <i>Nature Communications</i> , 2014 , 5, 5594	17.4	89
149	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020 , 587, 252-257	50.4	89
148	Comparative performance of the BGISEQ-500 vs Illumina HiSeq2500 sequencing platforms for palaeogenomic sequencing. <i>GigaScience</i> , 2017 , 6, 1-13	7.6	88
147	The genomic consequences of adaptive divergence and reproductive isolation between species of manakins. <i>Molecular Ecology</i> , 2013 , 22, 3304-17	5.7	83
146	Genome of <i>Drosophila suzukii</i> , the spotted wing drosophila. <i>G3: Genes, Genomes, Genetics</i> , 2013 , 3, 2257-71	7.1	83
145	Reciprocal genomic evolution in the ant-fungus agricultural symbiosis. <i>Nature Communications</i> , 2016 , 7, 12233	17.4	74
144	Red fox genome assembly identifies genomic regions associated with tame and aggressive behaviours. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1479-1491	12.3	74
143	Evidence for a single loss of mineralized teeth in the common avian ancestor. <i>Science</i> , 2014 , 346, 1254-1259	35.3	74
142	High-coverage sequencing and annotated assembly of the genome of the Australian dragon lizard <i>Pogona vitticeps</i> . <i>GigaScience</i> , 2015 , 4, 45	7.6	70
141	High-coverage sequencing and annotated assemblies of the budgerigar genome. <i>GigaScience</i> , 2014 , 3, 11	7.6	67
140	Dynamic evolution of the alpha (H) and beta (I) keratins has accompanied integument diversification and the adaptation of birds into novel lifestyles. <i>BMC Evolutionary Biology</i> , 2014 , 14, 249	3	66

139	Hologenomic adaptations underlying the evolution of sanguivory in the common vampire bat. <i>Nature Ecology and Evolution</i> , 2018 , 2, 659-668	12.3	64
138	Genetic basis of ruminant headgear and rapid antler regeneration. <i>Science</i> , 2019 , 364,	33.3	61
137	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	4.5	60
136	Deciphering neo-sex and B chromosome evolution by the draft genome of <i>Drosophila albomicans</i> . <i>BMC Genomics</i> , 2012 , 13, 109	4.5	59
135	The draft genome of a socially polymorphic halictid bee, <i>Lasioglossum albipes</i> . <i>Genome Biology</i> , 2013 , 14, R142	18.3	58
134	Genomic signatures of near-extinction and rebirth of the crested ibis and other endangered bird species. <i>Genome Biology</i> , 2014 , 15, 557	18.3	56
133	Phylogenomic analyses data of the avian phylogenomics project. <i>GigaScience</i> , 2015 , 4, 4	7.6	54
132	Progressive Cactus is a multiple-genome aligner for the thousand-genome era. <i>Nature</i> , 2020 , 587, 246-251	50.4	53
131	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	6	51
130	Evolutionary trajectories of snake genes and genomes revealed by comparative analyses of five-pacer viper. <i>Nature Communications</i> , 2016 , 7, 13107	17.4	50
129	Two Antarctic penguin genomes reveal insights into their evolutionary history and molecular changes related to the Antarctic environment. <i>GigaScience</i> , 2014 , 3, 27	7.6	50
128	863 genomes reveal the origin and domestication of chicken. <i>Cell Research</i> , 2020 , 30, 693-701	24.7	49
127	Constrained vertebrate evolution by pleiotropic genes. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1722-1730	12.3	48
126	Dynamic evolutionary history and gene content of sex chromosomes across diverse songbirds. <i>Nature Ecology and Evolution</i> , 2019 , 3, 834-844	12.3	48
125	Olfactory Receptor Subgenomes Linked with Broad Ecological Adaptations in Sauropsida. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2832-43	8.3	47
124	Functional roles of Aves class-specific cis-regulatory elements on macroevolution of bird-specific features. <i>Nature Communications</i> , 2017 , 8, 14229	17.4	44
123	Low frequency of paleoviral infiltration across the avian phylogeny. <i>Genome Biology</i> , 2014 , 15, 539	18.3	43
122	The Genomic Footprints of the Fall and Recovery of the Crested Ibis. <i>Current Biology</i> , 2019 , 29, 340-349.e7	6.3	42

121	Caste-specific RNA editomes in the leaf-cutting ant <i>Acromyrmex echinatior</i> . <i>Nature Communications</i> , 2014 , 5, 4943	17.4	41
120	Cephalopod genomics: A plan of strategies and organization. <i>Standards in Genomic Sciences</i> , 2012 , 7, 175-88		40
119	Avian genomes. A flock of genomes. Introduction. <i>Science</i> , 2014 , 346, 1308-9	33.3	39
118	Towards complete and error-free genome assemblies of all vertebrate species		38
117	Response to Comment on "Whole-genome analyses resolve early branches in the tree of life of modern birds". <i>Science</i> , 2015 , 349, 1460	33.3	37
116	Gene loss, adaptive evolution and the co-evolution of plumage coloration genes with opsins in birds. <i>BMC Genomics</i> , 2015 , 16, 751	4.5	37
115	A genomic comparison of two termites with different social complexity. <i>Frontiers in Genetics</i> , 2015 , 6, 9	4.5	36
114	Comparative methylomics between domesticated and wild silkworms implies possible epigenetic influences on silkworm domestication. <i>BMC Genomics</i> , 2013 , 14, 646	4.5	35
113	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,	7.6	34
112	RES-Scanner: a software package for genome-wide identification of RNA-editing sites. <i>GigaScience</i> , 2016 , 5, 37	7.6	33
111	Identification and characterization of insect-specific proteins by genome data analysis. <i>BMC Genomics</i> , 2007 , 8, 93	4.5	33
110	Draft genome of the leopard gecko, <i>Eublepharis macularius</i> . <i>GigaScience</i> , 2016 , 5, 47	7.6	32
109	The genome of the golden apple snail <i>Pomacea canaliculata</i> provides insight into stress tolerance and invasive adaptation. <i>GigaScience</i> , 2018 , 7,	7.6	32
108	Advances in genome editing technology and its promising application in evolutionary and ecological studies. <i>GigaScience</i> , 2014 , 3, 24	7.6	32
107	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	11.5	31
106	Temporal genomic evolution of bird sex chromosomes. <i>BMC Evolutionary Biology</i> , 2014 , 14, 250	3	31
105	Chromosomal level assembly and population sequencing of the Chinese tree shrew genome. <i>Zoological Research</i> , 2019 , 40, 506-521	3.4	31
104	The origin of domestication genes in goats. <i>Science Advances</i> , 2020 , 6, eaaz5216	14.3	28

103	Platypus and echidna genomes reveal mammalian biology and evolution. <i>Nature</i> , 2021 , 592, 756-762	50.4	28
102	Genomic Takeover by Transposable Elements in the Strawberry Poison Frog. <i>Molecular Biology and Evolution</i> , 2018 , 35, 2913-2927	8.3	27
101	African lungfish genome sheds light on the vertebrate water-to-land transition. <i>Cell</i> , 2021 , 184, 1362-1376.e1827	36.1	27
100	Synthesis and Electrocatalytic Properties of Palladium Network Nanostructures. <i>ChemPlusChem</i> , 2012 , 77, 936-940	2.8	26
99	In-depth transcriptomic analysis on giant freshwater prawns. <i>PLoS ONE</i> , 2013 , 8, e60839	3.7	26
98	An effort to use human-based exome capture methods to analyze chimpanzee and macaque exomes. <i>PLoS ONE</i> , 2012 , 7, e40637	3.7	24
97	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	8.3	23
96	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	7.6	23
95	Towards reconstructing the ancestral brain gene-network regulating caste differentiation in ants. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1782-1791	12.3	23
94	Avianbase: a community resource for bird genomics. <i>Genome Biology</i> , 2015 , 16, 21	18.3	22
93	Improving the ostrich genome assembly using optical mapping data. <i>GigaScience</i> , 2015 , 4, 24	7.6	22
92	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	11.5	21
91	Deep parallel sequencing reveals conserved and novel miRNAs in gill and hepatopancreas of giant freshwater prawn. <i>Fish and Shellfish Immunology</i> , 2013 , 35, 1061-9	4.3	20
90	Genome sequence of a diabetes-prone rodent reveals a mutation hotspot around the ParaHox gene cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7677-7682	11.5	20
89	A flock of genomes. <i>Science</i> , 2014 , 346, 1308-1309	33.3	19
88	Evolutionary genomics and adaptive evolution of the Hedgehog gene family (Shh, Ihh and Dhh) in vertebrates. <i>PLoS ONE</i> , 2014 , 9, e74132	3.7	18
87	Genomic Adaptations and Evolutionary History of the Extinct Scimitar-Toothed Cat, <i>Homotherium latidens</i> . <i>Current Biology</i> , 2020 , 30, 5018-5025.e5	6.3	18
86	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020 , 9,	7.6	17

85	Draft genome of the milu (<i>Elaphurus davidianus</i>). <i>GigaScience</i> , 2018 , 7,	7.6	17
84	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	17.4	16
83	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	11.5	16
82	Comparative Phylogenomics, a Stepping Stone for Bird Biodiversity Studies. <i>Diversity</i> , 2019 , 11, 115	2.5	16
81	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. <i>Nature Communications</i> , 2017 , 8, 1550	17.4	16
80	Transcriptome and network changes in climbers at extreme altitudes. <i>PLoS ONE</i> , 2012 , 7, e31645	3.7	16
79	Evolutionary History, Genomic Adaptation to Toxic Diet, and Extinction of the Carolina Parakeet. <i>Current Biology</i> , 2020 , 30, 108-114.e5	6.3	16
78	Pre-extinction Demographic Stability and Genomic Signatures of Adaptation in the Woolly Rhinoceros. <i>Current Biology</i> , 2020 , 30, 3871-3879.e7	6.3	16
77	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	7.6	15
76	Whole-Genome Identification, Phylogeny, and Evolution of the Cytochrome P450 Family 2 (CYP2) Subfamilies in Birds. <i>Genome Biology and Evolution</i> , 2016 , 8, 1115-31	3.9	15
75	Draft genome of the Marco Polo Sheep (<i>Ovis ammon polii</i>). <i>GigaScience</i> , 2017 , 6, 1-7	7.6	15
74	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,	11.5	15
73	Progressive alignment with Cactus: a multiple-genome aligner for the thousand-genome era		15
72	Tracing the genetic footprints of vertebrate landing in non-teleost ray-finned fishes. <i>Cell</i> , 2021 , 184, 1377-1391.e14	56.2	15
71	Evolution of gene regulation in ruminants differs between evolutionary breakpoint regions and homologous synteny blocks. <i>Genome Research</i> , 2019 , 29, 576-589	9.7	15
70	Ancient population genomics and the study of evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20130381	5.8	14
69	Multi-omic detection of in archaeological human dental calculus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190584	5.8	13
68	Triangulation of the human, chimpanzee, and Neanderthal genome sequences identifies potentially compensated mutations. <i>Human Mutation</i> , 2010 , 31, 1286-93	4.7	12

67	Diverse coral reef invertebrates exhibit patterns of phyllosymbiosis. <i>ISME Journal</i> , 2020 , 14, 2211-2222	11.9	12
66	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	8.5	10
65	Evolutionary and biomedical insights from a marmoset diploid genome assembly. <i>Nature</i> , 2021 , 594, 227-233	50.4	10
64	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	2.5	9
63	Detoxification Genes Differ Between Cactus-, Fruit-, and Flower-Feeding <i>Drosophila</i> . <i>Journal of Heredity</i> , 2019 , 110, 80-91	2.4	9
62	A new duck genome reveals conserved and convergently evolved chromosome architectures of birds and mammals. <i>GigaScience</i> , 2021 , 10,	7.6	9
61	A new emu genome illuminates the evolution of genome configuration and nuclear architecture of avian chromosomes. <i>Genome Research</i> , 2021 , 31, 497-511	9.7	9
60	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	11.5	8
59	Construction of Red Fox Chromosomal Fragments from the Short-Read Genome Assembly. <i>Genes</i> , 2018 , 9,	4.2	8
58	The era of reference genomes in conservation genomics.. <i>Trends in Ecology and Evolution</i> , 2022 ,	10.9	8
57	An Indo-Pacific Humpback Dolphin Genome Reveals Insights into Chromosome Evolution and the Demography of a Vulnerable Species. <i>IScience</i> , 2020 , 23, 101640	6.1	8
56	Modes of genetic adaptations underlying functional innovations in the rumen. <i>Science China Life Sciences</i> , 2021 , 64, 1-21	8.5	7
55	High-coverage genomes to elucidate the evolution of penguins. <i>GigaScience</i> , 2019 , 8,	7.6	6
54	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	3.9	6
53	31°South: The physiology of adaptation to arid conditions in a passerine bird. <i>Molecular Ecology</i> , 2019 , 28, 3709-3721	5.7	6
52	Room-temperature synthesis and electrocatalysis of carbon nanotubes supported palladium-iron alloy nanoparticles. <i>Electrochimica Acta</i> , 2013 , 111, 898-902	6.7	6
51	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	6
50	Response of an Afro-Palaearctic bird migrant to glaciation cycles.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6

49	The germline mutational process in rhesus macaque and its implications for phylogenetic dating. <i>GigaScience</i> , 2021 , 10,	7.6	6
48	Large-scale genomic analysis reveals the genetic cost of chicken domestication. <i>BMC Biology</i> , 2021 , 19, 118	7.3	6
47	Identification and evolution of avian endogenous foamy viruses. <i>Virus Evolution</i> , 2019 , 5, vez049	3.7	6
46	Draft Genome Assembly and Population Genetics of an Agricultural Pollinator, the Solitary Alkali Bee (Halictidae:). <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 625-634	3.2	6
45	The bird@-eye view on chromosome evolution. <i>Genome Biology</i> , 2018 , 19, 201	18.3	6
44	Ancient and modern genomes unravel the evolutionary history of the rhinoceros family. <i>Cell</i> , 2021 , 184, 4874-4885.e16	56.2	6
43	An integrated chromosome-scale genome assembly of the Masai giraffe (<i>Giraffa camelopardalis tippelskirchi</i>). <i>GigaScience</i> , 2019 , 8,	7.6	5
42	Sensory rewiring in an echolocator: genome-wide modification of retinogenic and auditory genes in the bat <i>Myotis davidii</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014 , 4, 1825-35	3.2	5
41	Neuroprotectants attenuate hypobaric hypoxia-induced brain injuries in cynomolgus monkeys. <i>Zoological Research</i> , 2020 , 41, 3-19	3.4	5
40	Phylogeny, transposable element and sex chromosome evolution of the basal lineage of birds		5
39	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,	14.3	5
38	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	5.7	5
37	Bone-associated gene evolution and the origin of flight in birds. <i>BMC Genomics</i> , 2016 , 17, 371	4.5	5
36	Incomplete lineage sorting and phenotypic evolution in marsupials.. <i>Cell</i> , 2022 ,	56.2	5
35	Chromatin accessibility and transcriptome landscapes of <i>Monomorium pharaonis</i> brain. <i>Scientific Data</i> , 2020 , 7, 217	8.2	4
34	Standards recommendations for the Earth BioGenome Project.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	4
33	Adaptive diversity of innate immune receptor family short pentraxins in Murinae. <i>FEBS Letters</i> , 2012 , 586, 798-803	3.8	3
32	Cross-comparison of the genome sequences from human, chimpanzee, Neanderthal and a Denisovan hominin identifies novel potentially compensated mutations. <i>Human Genomics</i> , 2011 , 5, 453-84	6.8	3

31	Phylogenomic analyses of the genus <i>Drosophila</i> reveals genomic signals of climate adaptation. <i>Molecular Ecology Resources</i> , 2021 ,	8.4	3
30	High-quality chromosome-level genome assembly and full-length transcriptome analysis of the pharaoh ant <i>Monomorium pharaonis</i> . <i>GigaScience</i> , 2020 , 9,	7.6	3
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28	Variation in predicted COVID-19 risk among lemurs and lorises. <i>American Journal of Primatology</i> , 2021 , 83, e23255	2.5	3
27	Relaxed selection underlies genome erosion in socially parasitic ant species. <i>Nature Communications</i> , 2021 , 12, 2918	17.4	3
26	Dynamic evolution of transposable elements, demographic history, and gene content of paleognathous birds. <i>Zoological Research</i> , 2021 , 42, 51-61	3.4	3
25	Phylogeny and sex chromosome evolution of palaeognathae. <i>Journal of Genetics and Genomics</i> , 2021 , 49, 109-109	4	3
24	Automated assembly of high-quality diploid human reference genomes		3
23	A draft genome assembly of spotted hyena, <i>Crocuta crocuta</i> . <i>Scientific Data</i> , 2020 , 7, 126	8.2	2
22	The mutationathon highlights the importance of reaching standardization in estimates of pedigree-based germline mutation rates.. <i>ELife</i> , 2022 , 11,	8.9	2
21	A draft genome assembly of the eastern banjo frog <i>Limnodynastes dumerilii dumerilii</i> (Anura: Limnodynastidae). <i>GigaByte</i> , 2020, 1-13		2
20	Evolutionary history of the extinct Sardinian dhole. <i>Current Biology</i> , 2021 ,	6.3	2
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18	Hi-C chromosome conformation capture sequencing of avian genomes using the BGISEQ-500 platform. <i>GigaScience</i> , 2020 , 9,	7.6	2
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16	Multiple origins of a frameshift insertion in a mitochondrial gene in birds and turtles. <i>GigaScience</i> , 2021 , 10,	7.6	2
15	A novel method for using RNA-seq data to identify imprinted genes in social Hymenoptera with multiply mated queens. <i>Journal of Evolutionary Biology</i> , 2020 , 33, 1770-1782	2.3	1
14	A draft genome assembly of the eastern banjo frog <i>Limnodynastes dumerilii dumerilii</i> (Anura: Limnodynastidae)		

13	Studying mutation rate evolution in primates-a need for systematic comparison of computational pipelines. <i>GigaScience</i> , 2021 , 10,	7.6	1
12	Tracing the origin of a new organ by inferring the genetic basis of rumen evolution		1
11	Historical population declines prompted significant genomic erosion in the northern and southern white rhinoceros (<i>Ceratotherium simum</i>)		1
10	From egg to adult: a developmental table of the ant <i>Monomorium pharaonis</i>		1
9	Identification and evolution of avian endogenous foamy viruses		1
8	Testing cophylogeny between coral reef invertebrates and their bacterial and archaeal symbionts. <i>Molecular Ecology</i> , 2021 , 30, 3768-3782	5.7	1
7	The first AsiaEvo conference, connecting Asian evolutionary biologists to the world. <i>National Science Review</i> , 2018 , 5, 614-616	10.8	1
6	Probing the genomic limits of de-extinction in the Christmas Island rat.. <i>Current Biology</i> , 2022 ,	6.3	1
5	Gut Microbiota Linked with Reduced Fear of Humans in Red Junglefowl Has Implications for Early Domestication. <i>Genetics & Genomics Next</i> , 2021 , 2, 2100018	1.2	1
4	Labour classified by cervical dilatation & fetal membrane rupture demonstrates differential impact on RNA-seq data for human myometrium tissues. <i>PLoS ONE</i> , 2021 , 16, e0260119	3.7	0
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2	Turtle ghrelin. <i>Nature Genetics</i> , 2014 , 46, 526	36.3	
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