Ground tit genome reveals avian adaptation to living at plateau

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Citation Report

#	Article	IF	Citations
1	Effective Hamiltonians for quasi-one-dimensional Fermi gases with spin-orbit coupling. Physical Review A, 2013, 88, .	1.0	7
2	Two Low Coverage Bird Genomes and a Comparison of Reference-Guided versus De Novo Genome Assemblies. PLoS ONE, 2014, 9, e106649.	1.1	30
3	Analysis of hypoxia-inducible factor alpha polyploidization reveals adaptation to Tibetan plateau in the evolution of schizothoracine fish. BMC Evolutionary Biology, 2014, 14, 192.	3.2	73
4	Population Variation Revealed High-Altitude Adaptation of Tibetan Mastiffs. Molecular Biology and Evolution, 2014, 31, 1200-1205.	3.5	130
5	Adaptations to local environments in modern human populations. Current Opinion in Genetics and Development, 2014, 29, 1-8.	1.5	70
6	Genetic responses to seasonal variation in altitudinal stress: whole-genome resequencing of great tit in eastern Himalayas. Scientific Reports, 2015, 5, 14256.	1.6	33
7	Genetic adaptations of the plateau zokor in high-elevation burrows. Scientific Reports, 2015, 5, 17262.	1.6	48
8	Evolutionary history of passerine birds (Aves: Passeriformes) from the Qinghaiâ€“Tibetan plateau: from a pre-Quarternary perspective to an integrative biodiversity assessment. Journal of Ornithology, 2015, 156, 355-365.	0.5	30
9	Comprehensive Transcriptome Analysis Reveals Accelerated Genic Evolution in a Tibet Fish, Gymnodiptychus pachycheilus. Genome Biology and Evolution, 2015, 7, 251-261.	1.1	112
10	High-altitude ancestry and hypoxia acclimation have distinct effects on exercise capacity and muscle phenotype in deer mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R779-R791.	0.9	101
11	The Genome 10K Project: A Way Forward. Annual Review of Animal Biosciences, 2015, 3, 57-111.	3.6	294
12	Whole-genome sequence of the Tibetan frog Nanorana parkeri and the comparative evolution of tetrapod genomes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1257-62.	3.3	159
13	Transcriptomic analysis provides insight into high-altitude acclimation in domestic goats. Gene, 2015, 567, 208-216.	1.0	26
14	Third Report on Chicken Genes and Chromosomes 2015. Cytogenetic and Genome Research, 2015, 145, 78-179.	0.6	97
15	Using the canary genome to decipher the evolution of hormone-sensitive gene regulation in seasonal singing birds. Genome Biology, 2015, 16, 19.	3.8	60
16	Genomic Analyses Reveal Potential Independent Adaptation to High Altitude in Tibetan Chickens. Molecular Biology and Evolution, 2015, 32, 1880-1889.	3.5	193
17	Transcriptome analysis of the plateau fish (Triplophysa dalaica): Implications for adaptation to hypoxia in fishes. Gene, 2015, 565, 211-220.	1.0	50
18	Biogeographic history and high-elevation adaptations inferred from the mitochondrial genome of Glyptosternoid fishes (Sisoridae, Siluriformes) from the southeastern Tibetan Plateau. BMC Evolutionary Biology, 2015, 15, 233.	3.2	35

#	Article	IF	Citations
19	Comparative transcriptomic analysis revealed adaptation mechanism of Phrynocephalus erythrurus, the highest altitude Lizard living in the Qinghai-Tibet Plateau. BMC Evolutionary Biology, 2015, 15, 101.	3.2	50
20	Impact of ParentalBos taurusandBos indicusOrigins on Copy Number Variation in Traditional Chinese Cattle Breeds. Genome Biology and Evolution, 2015, 7, 2352-2361.	1.1	25
21	Evidence for Adaptation to the Tibetan Plateau Inferred from Tibetan Loach Transcriptomes. Genome Biology and Evolution, 2015, 7, 2970-2982.	1.1	70
22	The role of the uplift of the Qinghaiâ€Tibetan Plateau for the evolution of Tibetan biotas. Biological Reviews, 2015, 90, 236-253.	4.7	622
23	Evidence of adaptive evolution of alpine pheasants to high-altitude environment from mitogenomic perspective. Mitochondrial DNA, 2016, 27, 455-462.	0.6	16
24	Genome-wide analysis reveals signatures of selection for important traits in domestic sheep from different ecoregions. BMC Genomics, 2016, 17, 863.	1.2	67
25	Missed, Not Missing: Phylogenomic Evidence for the Existence of Avian FoxP3. PLoS ONE, 2016, 11, e0150988.	1.1	21
26	Genetic Adaptation of Giant Lobelias (Lobelia aberdarica and Lobelia telekii) to Different Altitudes in East African Mountains. Frontiers in Plant Science, 2016, 7, 488.	1.7	9
27	Whole-Genome Sequencing of Native Sheep Provides Insights into Rapid Adaptations to Extreme Environments. Molecular Biology and Evolution, 2016, 33, 2576-2592.	3.5	271
28	Available data point to a 4â€kmâ€high Tibetan Plateau by 40ÂMa, but 100 molecularâ€clock papers have linked supposed recent uplift to young node ages. Journal of Biogeography, 2016, 43, 1479-1487.	1.4	176
29	The phylogenetic relationships of Przevalski's Finch Urocynchramus pylzowi, the most ancient Tibetan endemic passerine known to date. Ibis, 2016, 158, 530-540.	1.0	9
30	Genetic structure and viability selection in the golden eagle (Aquila chrysaetos), a vagile raptor with a Holarctic distribution. Conservation Genetics, 2016, 17, 1307-1322.	0.8	36
31	Genetic signals of high-altitude adaptation in amphibians: a comparative transcriptome analysis. BMC Genetics, 2016, 17, 134.	2.7	21
32	Olfactory genes in Tibetan wild boar. Nature Genetics, 2016, 48, 972-973.	9.4	6
33	Taxonomic status and phylogenetic relationship of tits based on mitogenomes and nuclear segments. Molecular Phylogenetics and Evolution, 2016, 104, 14-20.	1.2	8
34	Identifying molecular signatures of hypoxia adaptation from sex chromosomes: A case for Tibetan Mastiff based on analyses of X chromosome. Scientific Reports, 2016, 6, 35004.	1.6	12
35	The genome and transcriptome of Trichormus sp. NMC-1: insights into adaptation to extreme environments on the Qinghai-Tibet Plateau. Scientific Reports, 2016, 6, 29404.	1.6	33
36	Genome-wide analysis reveals adaptation to high altitudes in Tibetan sheep. Scientific Reports, 2016, 6, 26770.	1.6	110

#	Article	IF	Citations
37	Transcriptome sequencing of Crucihimalaya himalaica (Brassicaceae) reveals how Arabidopsis close relative adapt to the Qinghai-Tibet Plateau. Scientific Reports, 2016, 6, 21729.	1.6	47
38	Evolution of body morphology and beak shape revealed by a morphometric analysis of 14 Paridae species. Frontiers in Zoology, 2016, 13, 30.	0.9	27
39	Characterization of the genome and transcriptome of the blue tit <scp>C</scp>yanistes caeruleus: polymorphisms, sexâ€biased expression and selection signals. Molecular Ecology Resources, 2016, 16, 549-561.	2.2	27
40	Evolutionary signals of selection on cognition from the great tit genome and methylome. Nature Communications, 2016, 7, 10474.	5.8	172
41	Positive Darwinian selection within interferon regulatory factor genes of Gymnocypris przewalskii (Cyprinidae) on the Tibetan Plateau. Fish and Shellfish Immunology, 2016, 50, 34-42.	1.6	8
42	Comprehensive Transcriptome Analysis of Six Catfish Species from an Altitude Gradient Reveals Adaptive Evolution in Tibetan Fishes. G3: Genes, Genomes, Genetics, 2016, 6, 141-148.	0.8	49
43	Genomic Analyses Reveal Demographic History and Temperate Adaptation of the Newly Discovered Honey Bee SubspeciesApis mellifera sinisxinyuann. ssp. Molecular Biology and Evolution, 2016, 33, 1337-1348.	3.5	125
44	Genome Resequencing Identifies Unique Adaptations of Tibetan Chickens to Hypoxia and High-Dose Ultraviolet Radiation in High-Altitude Environments. Genome Biology and Evolution, 2016, 8, 765-776.	1.1	116
45	Divergent adaptation to Qinghai-Tibetan Plateau implicated from transciptome study of Gymnocypris dobula and Schizothorax nukiangensis. Biochemical Systematics and Ecology, 2017, 71, 97-105.	0.6	4
46	Genetic Adaptation of Schizothoracine Fish to the Phased Uplifting of the Qinghaiâ€“Tibetan Plateau. G3: Genes, Genomes, Genetics, 2017, 7, 1267-1276.	0.8	29
47	Population transcriptomes reveal synergistic responses of <scp>DNA</scp> polymorphism and <scp>RNA</scp> expression to extreme environments on the Qinghaiâ€“Tibetan Plateau in a predatory bird. Molecular Ecology, 2017, 26, 2993-3010.	2.0	39
48	Candidate genes for adaptation to an aquatic habitat recovered from Ranunculus bungei and Ranunculus sceleratus. Biochemical Systematics and Ecology, 2017, 71, 16-25.	0.6	0
49	Comprehensive transcriptomic analysis of Tibetan Schizothoracinae fish Gymnocypris przewalskii reveals how it adapts to a high altitude aquatic life. BMC Evolutionary Biology, 2017, 17, 74.	3.2	47
50	agriGO v2.0: a GO analysis toolkit for the agricultural community, 2017 update. Nucleic Acids Research, 2017, 45, W122-W129.	6.5	1,872
51	Evolution of the functionally conserved DCC gene in birds. Scientific Reports, 2017, 7, 42029.	1.6	8
52	Flying High: The Unique Physiology of Birds that Fly at High Altitudes. , 2017, , 113-128.		6
53	The caterpillar fungus, Ophiocordyceps sinensis, genome provides insights into highland adaptation of fungal pathogenicity. Scientific Reports, 2017, 7, 1806.	1.6	49
54	Selection of reference genes for <scp>qRT</scp>â€<scp>PCR</scp> and expression analysis of highâ€altitudeâ€related genes in grassland caterpillars (Lepidoptera: Erebidae: Gynaephora) along an altitude gradient. Ecology and Evolution, 2017, 7, 9054-9065.	0.8	32

#	Article	IF	Citations
55	Evolution of mitochondrial energy metabolism genes associated with hydrothermal vent adaption of Alvinocaridid shrimps. Genes and Genomics, 2017, 39, 1367-1376.	0.5	21
56	Genomic signature of highland adaptation in fish: a case study in Tibetan Schizothoracinae species. BMC Genomics, 2017, 18, 948.	1.2	26
57	Hypoxia Inducible Factor (HIF) transcription factor family expansion, diversification, divergence and selection in eukaryotes. PLoS ONE, 2017, 12, e0179545.	1.1	75
58	Gene expression variations in high-altitude adaptation: a case study of the Asiatic toad (Bufo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.7	10
59	Evolution of beak morphology in the Ground Tit revealed by comparative transcriptomics. Frontiers in Zoology, 2017, 14, 58.	0.9	18
60	Mitochondrial OXPHOS genes provides insights into genetics basis of hypoxia adaptation in anchialine cave shrimps. Genes and Genomics, 2018, 40, 1169-1180.	0.5	8
61	Divergent and parallel routes of biochemical adaptation in high-altitude passerine birds from the Qinghai-Tibet Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1865-1870.	3.3	74
62	Migration-Selection Balance Drives Genetic Differentiation in Genes Associated with High-Altitude Function in the Speckled Teal (Anas flavirostris) in the Andes. Genome Biology and Evolution, 2018, 10, 14-32.	1.1	18
63	Androgen and estrogen sensitivity of bird song: a comparative view on gene regulatory levels. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 113-126.	0.7	27
64	Genetic diversity and natural selection in wild fruit flies revealed by whole-genome resequencing. Genomics, 2018, 110, 304-309.	1.3	2
65	The Antarctic sea ice alga Chlamydomonas sp. ICE-L provides insights into adaptive patterns of chloroplast evolution. BMC Plant Biology, 2018, 18, 53.	1.6	22
66	Reconstruction of the late Miocene biogeographical history of tits and chickadees (Aves:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf approach. Journal of Biogeography, 2018, 45, 14-25.	1.4	19
67	Conservation genetics and genomics of threatened vertebrates in China. Journal of Genetics and Genomics, 2018, 45, 593-601.	1.7	9
68	Genetic variation in PTPN1 contributes to metabolic adaptation to high-altitude hypoxia in Tibetan migratory locusts. Nature Communications, 2018, 9, 4991.	5.8	50
69	Sequence Characterization of DSG3 Gene to Know Its Role in High-Altitude Hypoxia Adaptation in the Chinese Cashmere Goat. Frontiers in Genetics, 2018, 9, 553.	1.1	10
70	Species groups distributed across elevational gradients reveal convergent and continuous genetic adaptation to high elevations. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10634-E10641.	3.3	57
71	Phylogenomics, biogeography, and adaptive radiation of grapes. Molecular Phylogenetics and Evolution, 2018, 129, 258-267.	1.2	56
72	Transcriptome Analysis of Circulating PBMCs to Understand Mechanism of High Altitude Adaptation in Native Cattle of Ladakh Region. Scientific Reports, 2018, 8, 7681.	1.6	42

#	Article	IF	Citations
73	Selection and environmental adaptation along a path to speciation in the Tibetan frog Nanorana parkeri. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5056-E5065.	3.3	49
74	Whole genome and transcriptome maps of the entirely black native Korean chicken breed Yeonsan Ogye. GigaScience, 2018, 7, .	3.3	20
75	Whole-genome de novo sequencing reveals unique genes that contributed to the adaptive evolution of the Mikado pheasant. GigaScience, 2018, 7, .	3.3	21
76	Evolution for extreme living: variation in mitochondrial cytochrome c oxidase genes correlated with elevation in pikas (genus Ochotona). Integrative Zoology, 2018, 13, 517-535.	1.3	8
77	Avian ecological epigenetics: pitfalls and promises. Journal of Ornithology, 2019, 160, 1183-1203.	0.5	37
78	Phylogeography of the Tibetan hamster Cricetulus kamensis in response to uplift and environmental change in the Qinghaiâ€“Tibet Plateau. Ecology and Evolution, 2019, 9, 7291-7306.	0.8	10
79	Avian Population Studies in the Genomic Era. , 2019, , 267-293.		2
80	Genomic signatures of high-altitude adaptation in Ethiopian sheep populations. Genes and Genomics, 2019, 41, 973-981.	0.5	68
81	Comparative transcriptomics of 3 high-altitude passerine birds and their low-altitude relatives. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11851-11856.	3.3	63
82	Parallel Molecular Evolution in Pathways, Genes, and Sites in High-Elevation Hummingbirds Revealed by Comparative Transcriptomics. Genome Biology and Evolution, 2019, 11, 1573-1585.	1.1	49
83	Comparative analysis of peripheral blood reveals transcriptomic adaptations to extreme environments on the Qinghai-Tibetan Plateau in the gray wolf (Canis lupus chanco). Organisms Diversity and Evolution, 2019, 19, 543-556.	0.7	5
84	Genome-wide detection of copy number variations in polled yak using the Illumina BovineHD BeadChip. BMC Genomics, 2019, 20, 376.	1.2	15
85	Divergent Fine-Scale Recombination Landscapes between a Freshwater and Marine Population of Threespine Stickleback Fish. Genome Biology and Evolution, 2019, 11, 1552-1572.	1.1	44
86	Genome of Crucihimalaya himalaica , a close relative of Arabidopsis , shows ecological adaptation to high altitude. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7137-7146.	3.3	108
87	Population genomics reveals that refugial isolation and habitat change lead to incipient speciation in the Ground tit. Zoologica Scripta, 2019, 48, 277-288.	0.7	4
88	Chromosomeâ€level genome assembly of Triplophysa tibetana, a fish adapted to the harsh highâ€altitude environment of the Tibetan Plateau. Molecular Ecology Resources, 2019, 19, 1027-1036.	2.2	39
89	Identification of Candidate Genes for the Plateau Adaptation of a Tibetan Amphipod, Gammarus lacustris, Through Integration of Genome and Transcriptome Sequencing. Frontiers in Genetics, 2019, 10, 53.	1.1	14
90	The Genome Landscape of Tibetan Sheep Reveals Adaptive Introgression from Argali and the History of Early Human Settlements on the Qinghaiâ€“Tibetan Plateau. Molecular Biology and Evolution, 2019, 36, 283-303.	3.5	84

#	Article	IF	Citations
91	Convergent evolution on the hypoxia-inducible factor (HIF) pathway genes EGLN1 and EPAS1 in high-altitude ducks. Heredity, 2019, 122, 819-832.	1.2	52
92	Evolved Mechanisms of Aerobic Performance and Hypoxia Resistance in High-Altitude Natives. Annual Review of Physiology, 2019, 81, 561-583.	5.6	67
93	Integrated transcriptome provides resources and insights into the adaptive evolution of colonized brown trout (Salmo trutta fario) in the Tibetan Plateau. Journal of the World Aquaculture Society, 2020, 51, 763-774.	1.2	7
94	Rapid phenotypic evolution with shallow genomic differentiation during early stages of high elevation adaptation in Eurasian Tree Sparrows. National Science Review, 2020, 7, 113-127.	4.6	36
95	Genome-wide analysis sheds light on the high-altitude adaptation of the buff-throated partridge (Tetraophasis szechenyii). Molecular Genetics and Genomics, 2020, 295, 31-46.	1.0	11
96	Identification of key HIF-1Î± target genes that regulate adaptation to hypoxic conditions in Tibetan chicken embryos. Gene, 2020, 729, 144321.	1.0	8
97	Genomics of adaptation and acclimation: from field to lab and back. National Science Review, 2020, 7, 128-128.	4.6	2
98	Convergent genomic signatures of high-altitude adaptation among domestic mammals. National Science Review, 2020, 7, 952-963.	4.6	52
99	Genomic Analyses Reveal Genetic Adaptations to Tropical Climates in Chickens. IScience, 2020, 23, 101644.	1.9	28
100	Cross-Species Insights Into Genomic Adaptations to Hypoxia. Frontiers in Genetics, 2020, 11, 743.	1.1	48
101	Cell death in the avian brain with emphasis on the development and plasticity of the song control system. International Review of Cell and Molecular Biology, 2020, 352, 83-113.	1.6	1
102	Comparative microRNA Transcriptomes in Domestic Goats Reveal Acclimatization to High Altitude. Frontiers in Genetics, 2020, 11, 809.	1.1	12
103	Genomic analysis of Asian honeybee populations in China reveals evolutionary relationships and adaptation to abiotic stress. Ecology and Evolution, 2020, 10, 13427-13438.	0.8	8
104	Pectoral muscle transcriptome analyses reveal high-altitude adaptations in Tibetan chickens. Animal Biology, 2020, 70, 385-400.	0.6	3
105	Disentangling the interplay of positive and negative selection forces that shaped mitochondrial genomes of Gammarus pisinnus and Gammarus lacustris. Royal Society Open Science, 2020, 7, 190669.	1.1	7
106	Coping with extremes: convergences of habitat use, territoriality, and diet in summer but divergences in winter between two sympatric snow finches on the Qinghaiâ€Tibet Plateau. Integrative Zoology, 2020, 15, 533-543.	1.3	6
107	Comparative transcriptomic and proteomic analyses provide insights into functional genes for hypoxic adaptation in embryos of Tibetan chickens. Scientific Reports, 2020, 10, 11213.	1.6	16
108	Comparative Genomics Reveals Evolution of a Beak Morphology Locus in a High-Altitude Songbird. Molecular Biology and Evolution, 2020, 37, 2983-2988.	3.5	6

#	Article	IF	Citations
109	Novel de Novo Genome of Cynopterus brachyotis Reveals Evolutionarily Abrupt Shifts in Gene Family Composition across Fruit Bats. Genome Biology and Evolution, 2020, 12, 259-272.	1.1	12
110	Selection signatures for highâ€altitude adaptation in ruminants. Animal Genetics, 2020, 51, 157-165.	0.6	34
111	Plateau Grass and Greenhouse Flower? Distinct Genetic Basis of Closely Related Toad Tadpoles Respectively Adapted to High Altitude and Karst Caves. Genes, 2020, 11, 123.	1.0	4
112	Whole-genome sequencing of wild Siberian musk deer (Moschus moschiferus) provides insights into its genetic features. BMC Genomics, 2020, 21, 108.	1.2	8
113	Genomic signature of accelerated evolution in a saline-alkaline lake-dwelling Schizothoracine fish. International Journal of Biological Macromolecules, 2020, 149, 341-347.	3.6	13
114	Comprehensive transcriptome analyses of two Oocystis algae provide insights into the adaptation to Qinghaiâ€“Tibet Plateau. Journal of Systematics and Evolution, 2021, 59, 1209-1219.	1.6	9
115	Seasonal and elevational variation in glucose and glycogen in two songbird species. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2020, 245, 110703.	0.8	4
116	Increased photosystem II translation efficiency as an important photoprotective mechanism in an Arabidopsis thaliana ecotype (Tibet-0) adapted to high light environments. Environmental and Experimental Botany, 2021, 183, 104350.	2.0	7
117	Genomes reveal selective sweeps in kiang and donkey for high-altitude adaptation. Zoological Research, 2021, 42, 450-460.	0.9	9
118	Genome and population evolution and environmental adaptation of <i>Glyptosternon maculatum</i> on the Qinghai-Tibet Plateau. Zoological Research, 2021, 42, 502-513.	0.9	7
119	The global significance of biodiversity science in China: an overview. National Science Review, 2021, 8, nwab032.	4.6	68
120	Selective Sweeps Uncovering the Genetic Basis of Horn and Adaptability Traits on Fine-Wool Sheep in China. Frontiers in Genetics, 2021, 12, 604235.	1.1	2
121	Detection of selection signatures for response to Aleutian mink disease virus infection in American mink. Scientific Reports, 2021, 11, 2944.	1.6	16
122	Characterization of Olfactory Receptor Repertoires in the Endangered Snow Leopard Based on the Chromosome-Level Genome. DNA and Cell Biology, 2021, 40, 293-302.	0.9	3
123	Pervasive Genomic Signatures of Local Adaptation to Altitude Across Highland Specialist Andean Hummingbird Populations. Journal of Heredity, 2021, 112, 229-240.	1.0	10
124	Genomic signatures of drift and selection driven by predation and human pressure in an insular lizard. Scientific Reports, 2021, 11, 6136.	1.6	5
125	The evolution of ancestral and species-specific adaptations in snowfinches at the Qinghaiâ€“Tibet Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
126	Genomic Signature of Shifts in Selection and Alkaline Adaptation in Highland Fish. Genome Biology and Evolution, 2021, 13, .	1.1	10

#	Article	IF	Citations
127	Comparison of hematological traits and oxygenation properties of hemoglobins from highland and lowland Asiatic toad (Bufo gargarizans). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 1019-1029.	0.7	4
128	Adaptive introgression of the beta-globin cluster in two Andean waterfowl. Heredity, 2021, 127, 107-123.	1.2	2
129	Characterization and complexity of transcriptome in Gymnocypris przewalskii using single-molecule long-read sequencing and RNA-seq. DNA Research, 2021, 28, .	1.5	3
130	Application of a novel haplotype-based scan for local adaptation to study high-altitude adaptation in rhesus macaques. Evolution Letters, 2021, 5, 408-421.	1.6	35
131	Genome of the butterfly hillstream loach provides insights into adaptations to torrential mountain stream life. Molecular Ecology Resources, 2021, 21, 1922-1935.	2.2	1
132	Evolution of the â€œworldâ€™s only alpine parrotâ€: Genomic adaptation or phenotypic plasticity, behaviour and ecology?. Molecular Ecology, 2021, 30, 6370-6386.	2.0	11
133	Genomic signatures of rapid adaptive divergence in a tropical montane species. Biology Letters, 2021, 17, 20210089.	1.0	3
134	Hb adaptation to hypoxia in high-altitude fishes: Fresh evidence from schizothoracinae fishes in the Qinghai-Tibetan Plateau. International Journal of Biological Macromolecules, 2021, 185, 471-484.	3.6	8
135	Evolutionary origin of species diversity on the Qinghaiâ€“Tibet Plateau. Journal of Systematics and Evolution, 2021, 59, 1142-1158.	1.6	55
136	Genomic and functional evidence reveals convergent evolution in fishes on the Tibetan Plateau. Molecular Ecology, 2021, 30, 5752-5764.	2.0	10
137	Coping with extremes: lowered myocardial phosphofructokinase activities and glucose content but increased fatty acids content in highland Eurasian Tree Sparrows. Avian Research, 2021, 12, .	0.5	5
138	What Have We Learned from the First 500 Avian Genomes?. Annual Review of Ecology, Evolution, and Systematics, 2021, 52, 611-639.	3.8	38
139	Genomic analysis unveils mechanisms of northward invasion and signatures of plateau adaptation in the Asian house rat. Molecular Ecology, 2021, 30, 6596-6610.	2.0	10
140	Genomic basis of high-altitude adaptation in Tibetan Prunus fruit trees. Current Biology, 2021, 31, 3848-3860.e8.	1.8	41
141	Coping with extremes: High-altitude sparrows enhance metabolic and thermogenic capacities in the pectoralis muscle and suppress in the liver relative to their lowland counterparts. General and Comparative Endocrinology, 2021, 313, 113890.	0.8	6
145	The Genome Sequence of a Widespread Apex Predator, the Golden Eagle (Aquila chrysaetos). PLoS ONE, 2014, 9, e95599.	1.1	45
146	Exploring the Genetic Basis of Adaptation to High Elevations in Reptiles: A Comparative Transcriptome Analysis of Two Toad-Headed Agamas (Genus Phrynocephalus). PLoS ONE, 2014, 9, e112218.	1.1	27
147	Genomic Insights into the Adaptive Convergent Evolution. Current Genomics, 2019, 20, 81-89.	0.7	16

#	Article	IF	Citations
148	Population genetic variations of the matrix metalloproteinases-3 gene revealed hypoxia adaptation in domesticated yaks (Bos grunniens). Asian-Australasian Journal of Animal Sciences, 2019, 32, 1801-1808.	2.4	2
149	Genome methylation and regulatory functions for hypoxic adaptation in Tibetan chicken embryos. PeerJ, 2017, 5, e3891.	0.9	17
150	Characterization of a de novo assembled transcriptome of the Common Blackbird (Turdus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	3
151	First de novo whole genome sequencing and assembly of the bar-headed goose. PeerJ, 2020, 8, e8914.	0.9	8
160	Genome sequencing and transcriptomic analysis of the Andean killifish Orestias ascotanensis reveals adaptation to high-altitude aquatic life. Genomics, 2022, 114, 305-315.	1.3	5
161	The Discovery of Chicken Foxp3 Demands Redefinition of Avian Regulatory T Cells. Journal of Immunology, 2022, 208, 1128-1138.	0.4	12
162	A Multilevel Assessment of Plasticity in Response to High-Altitude Environment for Agama Lizards. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	1
163	Comparative genomic analysis of high-altitude adaptation for Mongolia Mastiff, Tibetan Mastiff, and Canis Lupus. Genomics, 2022, , 110359.	1.3	0
164	Characterization of olfactory receptor repertoires provides insights into the high-altitude adaptation of the yak based on the chromosome-level genome. International Journal of Biological Macromolecules, 2022, 209, 220-230.	3.6	7
165	Comparative Genomics and Evolution of Avian Specialized Traits. Current Genomics, 2021, 22, 496-511.	0.7	7
166	Parallel genomic responses to historical climate change and high elevation in East Asian songbirds. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
167	The De Novo Genome Sequencing of Silver Pheasant (Lophura nycthemera). Genome Biology and Evolution, 2021, 13, .	1.1	2
168	Comparative transcriptomic and metabolomic analysis reveals pectoralis highland adaptation across altitudinal songbirds. Integrative Zoology, 2022, 17, 1162-1178.	1.3	8
190	Incomplete Concordance Between Host Phylogeny and Gut Microbial Community in Tibetan Wetland Birds. Frontiers in Microbiology, 2022, 13, .	1.5	7
191	Chromosome-level genome assemblies of four wild peach species provide insights into genome evolution and genetic basis of stress resistance. BMC Biology, 2022, 20, .	1.7	13
192	Genetic variation in HIFâ€2Î± attenuates ventilatory sensitivity and carotid body growth in chronic hypoxia in highâ€altitude deer mice. Journal of Physiology, 2022, 600, 4207-4225.	1.3	5
193	Chromosome-level Genome Assembly of the High-altitude Leopard (Panthera pardus) Sheds Light on Its Environmental Adaptation. Genome Biology and Evolution, 0, , .	1.1	1
194	Chromosome-level assembly of Gymnocypris eckloni genome. Scientific Data, 2022, 9, .	2.4	5

#	Article	IF	Citations
195	Temperature acclimation in hot-spring snakes and the convergence of cold response. Innovation(China), 2022, 3, 100295.	5.2	5
196	Latitudinal but not elevational variation in blood glucose level is linked to life history across passerine birds. Ecology Letters, 2022, 25, 2203-2216.	3.0	4
197	A de novo assembled genome of the Tibetan Partridge (Perdix hodgsoniae) and its highâ€altitude adaptation. Integrative Zoology, 2023, 18, 225-236.	1.3	8
198	Genomic analysis of Tibetan ground tits identifies molecular adaptations associated with cooperative breeding. Environmental Epigenetics, 0, , .	0.9	0
199	Interspecific differences and ecological correlations of ultraviolet radiation tolerance in low- and high-altitude fishes. Frontiers in Marine Science, 0, 9, .	1.2	1
200	Transcriptome analysis of pika heart tissue reveals mechanisms underlying the adaptation of a keystone species on the roof of the world. Frontiers in Genetics, 0, 13, .	1.1	0
201	The draft genome of the Tibetan partridge (Perdix hodgsoniae) provides insights into its phylogenetic position and high-altitude adaptation. Journal of Heredity, 0, , .	1.0	2
202	The metabolic adaptation in wild vertebrates via omics approaches. , 0, , .		1
203	Genomic architecture underlying morphological and physiological adaptation to high elevation in a songbird. Molecular Ecology, 0, , .	2.0	0
204	Enlarged fins of Tibetan catfish provide new evidence of adaptation to high plateau. Science China Life Sciences, 2023, 66, 1554-1568.	2.3	2
205	Chromosome-level genome assembly of Phrynocephalus forsythii using third-generation DNA sequencing and Hi-C analysis. DNA Research, 2023, 30, .	1.5	0
206	A novel mechanism for high-altitude adaptation in hemoglobin of black-spotted frog (Pelophylax) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	1
207	Weak geneâ€“gene interaction facilitates the evolution of gene expression plasticity. BMC Biology, 2023, 21, .	1.7	4
208	Divergent contributions of coding and noncoding sequences to initial highâ€altitude adaptation in passerine birds endemic to the Qinghaiâ€“Tibet Plateau. Molecular Ecology, 2023, 32, 3524-3540.	2.0	3
209	Thai Local Chicken Breeds, Chee Fah and Fah Luang, Originated from Chinese Black-Boned Chicken with Introgression of Red Junglefowl and Domestic Chicken Breeds. Sustainability, 2023, 15, 6878.	1.6	3
215	Avian Adaptations to High Mountain Habitats. , 2023, , 35-89.		0
216	Priorities for Information, Research and Conservation of Birds in High Mountains. , 2023, , 372-406.		1