

Yibo Hu

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,206
citations

159585

30
h-index

161849

54
g-index

68
all docs

68
docs citations

68
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome sequencing of giant pandas provides insights into demographic history and local adaptation. <i>Nature Genetics</i> , 2013, 45, 67-71.	21.4	303
2	Comparative genomics reveals convergent evolution between the bamboo-eating giant and red pandas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1081-1086.	7.1	196
3	Exceptionally low daily energy expenditure in the bamboo-eating giant panda. <i>Science</i> , 2015, 349, 171-174.	12.6	190
4	Progress in the ecology and conservation of giant pandas. <i>Conservation Biology</i> , 2015, 29, 1497-1507.	4.7	153
5	Giant Pandas Are Not an Evolutionary cul-de-sac: Evidence from Multidisciplinary Research. <i>Molecular Biology and Evolution</i> , 2015, 32, 4-12.	8.9	149
6	Black and white and read all over: the past, present and future of giant panda genetics. <i>Molecular Ecology</i> , 2012, 21, 5660-5674.	3.9	143
7	The Value of Ecosystem Services from Giant Panda Reserves. <i>Current Biology</i> , 2018, 28, 2174-2180.e7.	3.9	112
8	Giant panda scent-marking strategies in the wild: role of season, sex and marking surface. <i>Animal Behaviour</i> , 2012, 84, 39-44.	1.9	100
9	Seasonal variation in nutrient utilization shapes gut microbiome structure and function in wild giant pandas. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170955.	2.6	99
10	Predicting the potential distribution of the endangered red panda across its entire range using MaxEnt modeling. <i>Ecology and Evolution</i> , 2018, 8, 10542-10554.	1.9	92
11	Genomic evidence for two phylogenetic species and long-term population bottlenecks in red pandas. <i>Science Advances</i> , 2020, 6, eaax5751.	10.3	86
12	Reintroduction of the giant panda into the wild: A good start suggests a bright future. <i>Biological Conservation</i> , 2018, 217, 181-186.	4.1	76
13	Spatial genetic structure and dispersal of giant pandas on a mountain-range scale. <i>Conservation Genetics</i> , 2010, 11, 2145-2155.	1.5	72
14	Diet Evolution and Habitat Contraction of Giant Pandas via Stable Isotope Analysis. <i>Current Biology</i> , 2019, 29, 664-669.e2.	3.9	71
15	The global significance of biodiversity science in China: an overview. <i>National Science Review</i> , 2021, 8, nwab032.	9.5	68
16	Genetic consequences of historical anthropogenic and ecological events on giant pandas. <i>Ecology</i> , 2013, 94, 2346-2357.	3.2	64
17	Hunting bamboo: Foraging patch selection and utilization by giant pandas and implications for conservation. <i>Biological Conservation</i> , 2015, 186, 260-267.	4.1	64
18	Genetic evidence of recent population contraction in the southernmost population of giant pandas. <i>Genetica</i> , 2010, 138, 1297-1306.	1.1	61

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19	Conservation metagenomics: a new branch of conservation biology. <i>Science China Life Sciences</i> , 2019, 62, 168-178.	4.9	61
20	THE PARASITES OF GIANT PANDAS: INDIVIDUAL-BASED MEASUREMENT IN WILD ANIMALS. <i>Journal of Wildlife Diseases</i> , 2011, 47, 164-171.	0.8	60
21	Individual identification of wild giant pandas from camera trap photos “ a systematic and hierarchical approach. <i>Journal of Zoology</i> , 2016, 300, 247-256.	1.7	58
22	Giant Pandas Are Macronutritional Carnivores. <i>Current Biology</i> , 2019, 29, 1677-1682.e2.	3.9	58
23	Inbreeding and inbreeding avoidance in wild giant pandas. <i>Molecular Ecology</i> , 2017, 26, 5793-5806.	3.9	57
24	Seasonal and reproductive variation in chemical constituents of scent signals in wild giant pandas. <i>Science China Life Sciences</i> , 2019, 62, 648-660.	4.9	55
25	Withered on the stem: is bamboo a seasonally limiting resource for giant pandas?. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10537-10546.	5.3	50
26	Seasonal shift of the gut microbiome synchronizes host peripheral circadian rhythm for physiological adaptation to a low-fat diet in the giant panda. <i>Cell Reports</i> , 2022, 38, 110203.	6.4	49
27	Spatial patterns and conservation of genetic and phylogenetic diversity of wildlife in China. <i>Science Advances</i> , 2021, 7, .	10.3	47
28	Diet drives convergent evolution of gut microbiomes in bamboo-eating species. <i>Science China Life Sciences</i> , 2021, 64, 88-95.	4.9	43
29	Major histocompatibility complex alleles associated with parasite susceptibility in wild giant pandas. <i>Heredity</i> , 2015, 114, 85-93.	2.6	42
30	Genetic structuring and recent demographic history of red pandas (<i>Ailurus fulgens</i>) inferred from microsatellite and mitochondrial DNA. <i>Molecular Ecology</i> , 2011, 20, 2662-2675.	3.9	41
31	Ecological niche modeling of the sympatric giant and red pandas on a mountain-range scale. <i>Biodiversity and Conservation</i> , 2009, 18, 2127-2141.	2.6	32
32	Large-Scale Genetic Survey Provides Insights into the Captive Management and Reintroduction of Giant Pandas. <i>Molecular Biology and Evolution</i> , 2014, 31, 2663-2671.	8.9	31
33	Chromosome-level genome assembly for giant panda provides novel insights into Carnivora chromosome evolution. <i>Genome Biology</i> , 2019, 20, 267.	8.8	31
34	The endangered red panda (<i>Ailurus fulgens</i>): Ecology and conservation approaches across the entire range. <i>Biological Conservation</i> , 2018, 220, 112-121.	4.1	30
35	Wildlife conservation and management in China: achievements, challenges and perspectives. <i>National Science Review</i> , 2021, 8, nwab042.	9.5	26
36	Quantifying landscape linkages among giant panda subpopulations in regional scale conservation. <i>Integrative Zoology</i> , 2012, 7, 165-174.	2.6	23

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37	Advancements of the researches on biodiversity loss mechanisms. Chinese Science Bulletin, 2014, 59, 430-437.	0.7	23
38	Molecular mechanisms and topological consequences of drastic chromosomal rearrangements of muntjac deer. Nature Communications, 2021, 12, 6858.	12.8	23
39	Walking in a heterogeneous landscape: Dispersal, gene flow and conservation implications for the giant panda in the Qinling Mountains. Evolutionary Applications, 2018, 11, 1859-1872.	3.1	22
40	Mitochondrial genome of a 22,000-year-old giant panda from southern China reveals a new panda lineage. Current Biology, 2018, 28, R693-R694.	3.9	19
41	Ailuropoda melanoleuca (Giant Panda). Trends in Genetics, 2020, 36, 68-69.	6.7	19
42	Multi-omics reveals the positive leverage of plant secondary metabolites on the gut microbiota in a non-model mammal. Microbiome, 2021, 9, 192.	11.1	19
43	Effect of China's rapid development on its iconic giant panda. Science Bulletin, 2013, 58, 2134-2139.	1.7	18
44	Different habitat preferences of male and female giant pandas. Journal of Zoology, 2011, 285, 205-214.	1.7	17
45	The endangered red panda in Himalayas: Potential distribution and ecological habitat associates. Global Ecology and Conservation, 2020, 21, e00890.	2.1	16
46	Transcriptomic analysis of skin pigmentation variation in the Virginia opossum (<i>Didelphis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	3.9	15
47	Improvement of genome assembly completeness and identification of novel full-length protein-coding genes by RNA-seq in the giant panda genome. Scientific Reports, 2016, 5, 18019.	3.3	12
48	Distinctive diet-tissue isotopic discrimination factors derived from the exclusive bamboo-eating giant panda. Integrative Zoology, 2016, 11, 447-456.	2.6	11
49	Noninvasive genetics provides insights into the population size and genetic diversity of an Amur tiger population in China. Integrative Zoology, 2016, 11, 16-24.	2.6	10
50	Genomic Signatures of Coevolution between Nonmodel Mammals and Parasitic Roundworms. Molecular Biology and Evolution, 2021, 38, 531-544.	8.9	10
51	Measures of giant panda habitat selection across multiple spatial scales for species conservation. Journal of Wildlife Management, 2012, 76, 1092-1100.	1.8	9
52	Conservation genetics and genomics of threatened vertebrates in China. Journal of Genetics and Genomics, 2018, 45, 593-601.	3.9	9
53	<i>Ailurus fulgens</i> (Himalayan Red Panda) and <i>Ailurus styani</i> (Chinese Red Panda). Trends in Genetics, 2020, 36, 624-625.	6.7	9
54	No evidence for MHC-based mate choice in wild giant pandas. Ecology and Evolution, 2018, 8, 8642-8651.	1.9	8

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55	Evolutionary Conservation Genomics Reveals Recent Speciation and Local Adaptation in Threatened Takins. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	7
56	Pseudogenization of <i>Mc1r</i> gene associated with transcriptional changes related to melanogenesis explains leucistic phenotypes in <i>Oreonectes</i> cavefish (Cypriniformes). <i>Trends in Ecology & Evolution</i> , 2022, 33, 1076-1084.	10.6	697
57	TAS2R20 variants confer dietary adaptation to high quercitrin bamboo leaves in Qinling giant pandas. <i>Ecology and Evolution</i> , 2020, 10, 5913-5921.	1.9	6
58	Genotyping faeces of red pandas (<i>Ailurus fulgens</i>): implications for population estimation. <i>European Journal of Wildlife Research</i> , 2011, 57, 1231-1235.	1.4	5
59	Conservation evolutionary biology: A new branch of conservation biology. <i>Scientia Sinica Vitae</i> , 2019, 49, 498-508.	0.3	5
60	Synteny search identifies carnivore Y chromosome for evolution of male specific genes. <i>Integrative Zoology</i> , 2019, 14, 224-234.	2.6	4
61	Habitat suitability for chiru (<i>Pantholops hodgsonii</i>): Implications for conservation management across the Tibetan region of Chang Tang. <i>Journal of Wildlife Management</i> , 2015, 79, 384-392.	1.8	3
62	Patterns and effects of GC3 heterogeneity and parsimony informative sites on the phylogenetic tree of genes. <i>Gene</i> , 2018, 655, 56-60.	2.2	3
63	Microsatellite loci for the Chinese bamboo rat <i>Rhizomys sinensis</i> . <i>Molecular Ecology Resources</i> , 2009, 9, 1270-1272.	4.8	2
64	Red panda ecology. , 2022, , 329-351.		2
65	A whole-genome association approach for large-scale interspecies traits. <i>Science China Life Sciences</i> , 2021, 64, 1372-1374.	4.9	1
66	Red panda genomics and the evidence for two species. , 2022, , 413-420.		0
67	Red pandas in the wild in China. , 2022, , 393-411.		0
68	Fuwen Wei "Recipient of the 2021 Molecular Ecology Prize. <i>Molecular Ecology</i> , 2022, 31, 31-36.	3.9	0