

Fuwen Wei

List of Publications by Year in Descending Order

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

134
papers

5,085
citations

40
h-index

68
g-index

138
ext. papers

6,439
ext. citations

6.3
avg, IF

5.51
L-index

#	Paper	IF	Citations
134	Integrated index-based assessment reveals long-term conservation progress in implementation of Convention on Biological Diversity.. <i>Science Advances</i> , 2022 , 8, eabj8093	14.3	0
133	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	10.6	6
132	Red panda genomics and the evidence for two species 2022 , 413-420		
131	Red pandas in the wild in China 2022 , 393-411		
130	A single nucleotide mutation in the dual-oxidase 2 () gene causes some of the panda's unique metabolic phenotypes.. <i>National Science Review</i> , 2022 , 9, nwab125	10.8	0
129	Molecular mechanisms and topological consequences of drastic chromosomal rearrangements of muntjac deer. <i>Nature Communications</i> , 2021 , 12, 6858	17.4	0
128	The giant panda is cryptic. <i>Scientific Reports</i> , 2021 , 11, 21287	4.9	0
127	Wildlife conservation and management in China: achievements, challenges and perspectives. <i>National Science Review</i> , 2021 , 8, nwab042	10.8	5
126	Exploring marine endosymbiosis systems with omics techniques. <i>Science China Life Sciences</i> , 2021 , 64, 1013-1016	8.5	0
125	On the origin of SARS-CoV-2-The blind watchmaker argument. <i>Science China Life Sciences</i> , 2021 , 64, 156081563	10.5	10
124	Diet drives convergent evolution of gut microbiomes in bamboo-eating species. <i>Science China Life Sciences</i> , 2021 , 64, 88-95	8.5	15
123	Unity of Nature and Man: a new vision and conceptual framework for the Post-2020 Global Biodiversity Framework. <i>National Science Review</i> , 2021 , 8, nwaa265	10.8	5
122	Ecological civilization: China's effort to build a shared future for all life on Earth. <i>National Science Review</i> , 2021 , 8, nwaa279	10.8	12
121	Genomic Signatures of Coevolution between Nonmodel Mammals and Parasitic Roundworms. <i>Molecular Biology and Evolution</i> , 2021 , 38, 531-544	8.3	4
120	Tsen-Hwang Shaw: Founder of Vertebrate Zoology in China. <i>Protein and Cell</i> , 2021 , 12, 1-3	7.2	1
119	Integrating climate, biodiversity, and sustainable land-use strategies: innovations from China. <i>National Science Review</i> , 2021 , 8, nwaa139	10.8	9
118	A whole-genome association approach for large-scale interspecies traits. <i>Science China Life Sciences</i> , 2021 , 64, 1372-1374	8.5	0

117	Symbiotic bacteria mediate volatile chemical signal synthesis in a large solitary mammal species. <i>ISME Journal</i> , 2021 , 15, 2070-2080	11.9	3
116	How two sesquiterpenes drive horse manure rolling behavior in wild giant pandas. <i>Chemoecology</i> , 2021 , 31, 221	2	
115	Geographic distributions shape the functional traits in a large mammalian family. <i>Ecology and Evolution</i> , 2021 , 11, 13175-13185	2.8	2
114	Multi-omics reveals the positive leverage of plant secondary metabolites on the gut microbiota in a non-model mammal. <i>Microbiome</i> , 2021 , 9, 192	16.6	3
113	Insights into the roles of fungi and protist in the giant panda gut microbiome and antibiotic resistome. <i>Environment International</i> , 2021 , 155, 106703	12.9	5
112	Spatial patterns and conservation of genetic and phylogenetic diversity of wildlife in China. <i>Science Advances</i> , 2021 , 7,	14.3	10
111	Giant Panda (<i>Ailuropoda melanoleuca</i>) 2020 , 63-77		
110	TAS2R20 variants confer dietary adaptation to high-quercitrin bamboo leaves in Qinling giant pandas. <i>Ecology and Evolution</i> , 2020 , 10, 5913-5921	2.8	2
109	Assessing the Effectiveness of China's Panda Protection System. <i>Current Biology</i> , 2020 , 30, 1280-1286.e26.3		9
108	<i>Ailurus fulgens</i> (Himalayan Red Panda) and <i>Ailurus styani</i> (Chinese Red Panda). <i>Trends in Genetics</i> , 2020 , 36, 624-625	8.5	6
107	A new era for evolutionary developmental biology in non-model organisms. <i>Science China Life Sciences</i> , 2020 , 63, 1251-1253	8.5	4
106	Dietary flavonoids and the altitudinal preference of wild giant pandas in Foping National Nature Reserve, China. <i>Global Ecology and Conservation</i> , 2020 , 22, e00981	2.8	2
105	Genomic evidence for two phylogenetic species and long-term population bottlenecks in red pandas. <i>Science Advances</i> , 2020 , 6, eaax5751	14.3	45
104	Why wild giant pandas frequently roll in horse manure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32493-32498	11.5	5
103	<i>Ailuropoda melanoleuca</i> (Giant Panda). <i>Trends in Genetics</i> , 2020 , 36, 68-69	8.5	10
102	The endangered red panda in Himalayas: Potential distribution and ecological habitat associates. <i>Global Ecology and Conservation</i> , 2020 , 21, e00890	2.8	13
101	Seasonal dynamics of parasitism and stress physiology in wild giant pandas 2020 , 8, coaa085		2
100	Climate change and landscape-use patterns influence recent past distribution of giant pandas. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200358	4.4	7

99	Diet Evolution and Habitat Contraction of Giant Pandas via Stable Isotope Analysis. <i>Current Biology</i> , 2019 , 29, 664-669.e2	6.3	54
98	The role of den quality in giant panda conservation. <i>Biological Conservation</i> , 2019 , 231, 189-196	6.2	41
97	Seasonal and reproductive variation in chemical constituents of scent signals in wild giant pandas. <i>Science China Life Sciences</i> , 2019 , 62, 648-660	8.5	45
96	Structural variation provides novel insights into dog domestication. <i>National Science Review</i> , 2019 , 6, 123	10.8	1
95	Giant Pandas Are Macronutritional Carnivores. <i>Current Biology</i> , 2019 , 29, 1677-1682.e2	6.3	29
94	Seasonal competition between sympatric species for a key resource: Implications for conservation management. <i>Biological Conservation</i> , 2019 , 234, 1-6	6.2	6
93	Synteny search identifies carnivore Y chromosome for evolution of male specific genes. <i>Integrative Zoology</i> , 2019 , 14, 224-234	1.9	4
92	Plan S and publishing: reply to Lehtomäki et al. 2019. <i>Conservation Biology</i> , 2019 , 33, 1203-1204	6	
91	Conservation evolutionary biology: A new branch of conservation biology. <i>Scientia Sinica Vitae</i> , 2019 , 49, 498-508	1.4	3
90	Implications of flood disturbance for conservation and management of giant panda habitat in human-modified landscapes. <i>Biological Conservation</i> , 2019 , 232, 35-42	6.2	0
89	Chromosome-level genome assembly for giant panda provides novel insights into Carnivora chromosome evolution. <i>Genome Biology</i> , 2019 , 20, 267	18.3	12
88	Defining the balance point between conservation and development. <i>Conservation Biology</i> , 2019 , 33, 231-238	6.2	10
87	Conservation metagenomics: a new branch of conservation biology. <i>Science China Life Sciences</i> , 2019 , 62, 168-178	8.5	33
86	The endangered red panda (<i>Ailurus fulgens</i>): Ecology and conservation approaches across the entire range. <i>Biological Conservation</i> , 2018 , 220, 112-121	6.2	22
85	Patterns and effects of GC3 heterogeneity and parsimony informative sites on the phylogenetic tree of genes. <i>Gene</i> , 2018 , 655, 56-60	3.8	2
84	Adaptive evolution to a high purine and fat diet of carnivorans revealed by gut microbiomes and host genomes. <i>Environmental Microbiology</i> , 2018 , 20, 1711-1722	5.2	29
83	Panda Downlisted but not Out of the Woods. <i>Conservation Letters</i> , 2018 , 11, e12355	6.9	70
82	No evidence for MHC-based mate choice in wild giant pandas. <i>Ecology and Evolution</i> , 2018 , 8, 8642-8651	2.8	4

81	Walking in a heterogeneous landscape: Dispersal, gene flow and conservation implications for the giant panda in the Qinling Mountains. <i>Evolutionary Applications</i> , 2018 , 11, 1859-1872	4.8	12
80	Mitochondrial genome of a 22,000-year-old giant panda from southern China reveals a new panda lineage. <i>Current Biology</i> , 2018 , 28, R693-R694	6.3	14
79	Lineage-specific evolution of bitter taste receptor genes in the giant and red pandas implies dietary adaptation. <i>Integrative Zoology</i> , 2018 , 13, 152-159	1.9	6
78	Reintroduction of the giant panda into the wild: A good start suggests a bright future. <i>Biological Conservation</i> , 2018 , 217, 181-186	6.2	51
77	Conservation genetics and genomics of threatened vertebrates in China. <i>Journal of Genetics and Genomics</i> , 2018 , 45, 593-601	4	5
76	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	2.8	51
75	The Value of Ecosystem Services from Giant Panda Reserves. <i>Current Biology</i> , 2018 , 28, 2174-2180.e7	6.3	75
74	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	11.5	113
73	A natural communication system on genome evolution. <i>Science China Life Sciences</i> , 2017 , 60, 432-435	8.5	3
72	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,	4.4	39
71	Inbreeding and inbreeding avoidance in wild giant pandas. <i>Molecular Ecology</i> , 2017 , 26, 5793-5806	5.7	45
70	Distinctive diet-tissue isotopic discrimination factors derived from the exclusive bamboo-eating giant panda. <i>Integrative Zoology</i> , 2016 , 11, 447-456	1.9	9
69	Noninvasive genetics provides insights into the population size and genetic diversity of an Amur tiger population in China. <i>Integrative Zoology</i> , 2016 , 11, 16-24	1.9	5
68	The giant panda gut microbiome. <i>Trends in Microbiology</i> , 2015 , 23, 450-2	12.4	39
67	ANIMAL PHYSIOLOGY. Exceptionally low daily energy expenditure in the bamboo-eating giant panda. <i>Science</i> , 2015 , 349, 171-4	33.3	129
66	Hunting bamboo: Foraging patch selection and utilization by giant pandas and implications for conservation. <i>Biological Conservation</i> , 2015 , 186, 260-267	6.2	51
65	Giant pandas are not an evolutionary cul-de-sac: evidence from multidisciplinary research. <i>Molecular Biology and Evolution</i> , 2015 , 32, 4-12	8.3	100
64	Obligate herbivory in an ancestrally carnivorous lineage: the giant panda and bamboo from the perspective of nutritional geometry. <i>Functional Ecology</i> , 2015 , 29, 26-34	5.6	108

63	Progress in the ecology and conservation of giant pandas. <i>Conservation Biology</i> , 2015 , 29, 1497-507	6	112
62	Improvement of genome assembly completeness and identification of novel full-length protein-coding genes by RNA-seq in the giant panda genome. <i>Scientific Reports</i> , 2015 , 5, 18019	4.9	9
61	Genome-scale analysis of demographic history and adaptive selection. <i>Protein and Cell</i> , 2014 , 5, 99-112	7.2	5
60	Large-scale genetic survey provides insights into the captive management and reintroduction of giant pandas. <i>Molecular Biology and Evolution</i> , 2014 , 31, 2663-71	8.3	17
59	Ecological scale and seasonal heterogeneity in the spatial behaviors of giant pandas. <i>Integrative Zoology</i> , 2014 , 9, 46-60	1.9	74
58	Movement-based estimation and visualization of space use in 3D for wildlife ecology and conservation. <i>PLoS ONE</i> , 2014 , 9, e101205	3.7	38
57	Effect of China's rapid development on its iconic giant panda. <i>Science Bulletin</i> , 2013 , 58, 2134-2139		11
56	Whole-genome sequencing of giant pandas provides insights into demographic history and local adaptation. <i>Nature Genetics</i> , 2013 , 45, 67-71	36.3	219
55	Genetic consequences of historical anthropogenic and ecological events on giant pandas. <i>Ecology</i> , 2013 , 94, 2346-57	4.6	54
54	Quantifying landscape linkages among giant panda subpopulations in regional scale conservation. <i>Integrative Zoology</i> , 2012 , 7, 165-74	1.9	18
53	Measures of giant panda habitat selection across multiple spatial scales for species conservation. <i>Journal of Wildlife Management</i> , 2012 , 76, 1092-1100	1.9	8
52	Black and white and read all over: the past, present and future of giant panda genetics. <i>Molecular Ecology</i> , 2012 , 21, 5660-74	5.7	99
51	Reproductive competition and fecal testosterone in wild male giant pandas (<i>Ailuropoda melanoleuca</i>). <i>Behavioral Ecology and Sociobiology</i> , 2012 , 66, 721-730	2.5	60
50	Giant panda scent-marking strategies in the wild: role of season, sex and marking surface. <i>Animal Behaviour</i> , 2012 , 84, 39-44	2.8	75
49	Evidence of cellulose metabolism by the giant panda gut microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17714-9	11.5	296
48	Significant genetic boundaries and spatial dynamics of giant pandas occupying fragmented habitat across southwest China. <i>Molecular Ecology</i> , 2011 , 20, 1122-32	5.7	45
47	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, 2662-75	5.7	34
46	Molecular evidence for Pleistocene refugia at the eastern edge of the Tibetan Plateau. <i>Molecular Ecology</i> , 2011 , 20, 3014-26	5.7	53

45	Different habitat preferences of male and female giant pandas. <i>Journal of Zoology</i> , 2011 , 285, 205-214	2	13
44	Ranging behavior of the FranBis' langur (<i>Trachypithecus francoisi</i>) in limestone habitats of Nonggang, China. <i>Integrative Zoology</i> , 2011 , 6, 157-164	1.9	5
43	Can science save the giant panda (<i>Ailuropoda melanoleuca</i>)? Unifying science and policy in an adaptive management paradigm. <i>Integrative Zoology</i> , 2011 , 6, 290-6	1.9	23
42	Genotyping faeces of red pandas (<i>Ailurus fulgens</i>): implications for population estimation. <i>European Journal of Wildlife Research</i> , 2011 , 57, 1231-1235	2	3
41	The parasites of giant pandas: individual-based measurement in wild animals. <i>Journal of Wildlife Diseases</i> , 2011 , 47, 164-71	1.3	29
40	Old-growth forest is what giant pandas really need. <i>Biology Letters</i> , 2011 , 7, 403-6	3.6	102
39	Conservation implications of drastic reductions in the smallest and most isolated populations of giant pandas. <i>Conservation Biology</i> , 2010 , 24, 1299-306	6	43
38	The sequence and de novo assembly of the giant panda genome. <i>Nature</i> , 2010 , 463, 311-7	50.4	864
37	First evidence of prey capture and meat eating by wild Yunnan snub-nosed monkeys <i>Rhinopithecus bieti</i> in Yunnan, China. <i>Environmental Epigenetics</i> , 2010 , 56, 227-231	2.4	5
36	Giant panda conservation science: how far we have come. <i>Biology Letters</i> , 2010 , 6, 143-5	3.6	38
35	A new method for quantifying genotyping errors for noninvasive genetic studies. <i>Conservation Genetics</i> , 2010 , 11, 1567-1571	2.6	16
34	Spatial genetic structure and dispersal of giant pandas on a mountain-range scale. <i>Conservation Genetics</i> , 2010 , 11, 2145-2155	2.6	59
33	Genetic evidence of recent population contraction in the southernmost population of giant pandas. <i>Genetica</i> , 2010 , 138, 1297-306	1.5	50
32	Landscape features influence gene flow as measured by cost-distance and genetic analyses: a case study for giant pandas in the Daxiangling and Xiaoxiangling Mountains. <i>BMC Genetics</i> , 2010 , 11, 72	2.6	22
31	Home range and seasonality of Yunnan snub-nosed monkeys. <i>Integrative Zoology</i> , 2009 , 4, 162-171	1.9	17
30	Factors Influencing Interannual and Intersite Variability in the Diet of <i>Trachypithecus francoisi</i> . <i>International Journal of Primatology</i> , 2009 , 30, 583-599	2	25
29	Ecological niche modeling of the sympatric giant and red pandas on a mountain-range scale. <i>Biodiversity and Conservation</i> , 2009 , 18, 2127-2141	3.4	23
28	Food habits and space-use of red pandas <i>Ailurus fulgens</i> in the Fengtongzhai Nature Reserve, China: food effects and behavioural responses. <i>Acta Theriologica</i> , 2009 , 54, 225-234		20

27	Complex population genetic and demographic history of the Salangid, <i>Neosalanx taihuensis</i> , based on cytochrome b sequences. <i>BMC Evolutionary Biology</i> , 2008 , 8, 201	3	27
26	Measuring Daily Ranging Distances of <i>Rhinopithecus bieti</i> via a Global Positioning System Collar at Jinsichang, China: A Methodological Consideration. <i>International Journal of Primatology</i> , 2008 , 29, 783-794	7	70
25	Reproductive Characters and Mating Behaviour of Wild <i>Nomascus hainanus</i> . <i>International Journal of Primatology</i> , 2008 , 29, 1037-1046	2	22
24	Ranging of <i>Rhinopithecus bieti</i> in the Samage Forest, China. I. Characteristics of Range Use. <i>International Journal of Primatology</i> , 2008 , 29, 1121-1145	2	40
23	Mandible of the giant panda (<i>Ailuropoda melanoleuca</i>) compared with other Chinese carnivores: functional adaptation. <i>Biological Journal of the Linnean Society</i> , 2007 , 92, 449-456	1.9	19
22	Factors Predicting Den Use by Maternal Giant Pandas. <i>Journal of Wildlife Management</i> , 2007 , 71, 2694-2698	6	56
21	Seasonal Variation in the Activity Patterns and Time Budgets of <i>Trachypithecus francoisi</i> in the Nonggang Nature Reserve, China. <i>International Journal of Primatology</i> , 2007 , 28, 657-671	2	41
20	Genetic viability and population history of the giant panda, putting an end to the "evolutionary dead end"?. <i>Molecular Biology and Evolution</i> , 2007 , 24, 1801-10	8.3	100
19	Genetic diversity among Chinese sika deer (<i>Cervus nippon</i>) populations and relationships between Chinese and Japanese sika deer. <i>Science Bulletin</i> , 2006 , 51, 433-440		18
18	Molecular censusing doubles giant panda population estimate in a key nature reserve. <i>Current Biology</i> , 2006 , 16, R451-2	6.3	158
17	Winter Microhabitat Separation between Giant and Red Pandas in <i>Bashania faberi</i> Bamboo Forest in Fengtongzhai Nature Reserve. <i>Journal of Wildlife Management</i> , 2006 , 70, 231-235	1.9	37
16	Diet and Food Choice of <i>Trachypithecus francoisi</i> in the Nonggang Nature Reserve, China. <i>International Journal of Primatology</i> , 2006 , 27, 1441-1460	2	39
15	Mitochondrial phylogeography and subspecific variation in the red panda (<i>Ailurus fulgens</i>): implications for conservation. <i>Molecular Phylogenetics and Evolution</i> , 2005 , 36, 78-89	4.1	41
14	Isolation and characterization of microsatellite loci for the red panda, <i>Ailurus fulgens</i> . <i>Molecular Ecology Notes</i> , 2005 , 5, 27-29		12
13	Hainan Black-crested Gibbon Is Headed For Extinction. <i>International Journal of Primatology</i> , 2005 , 26, 453-465	2	38
12	Influences of mating groups on the reproductive success of the Southern Sichuan Red Panda (<i>Ailurus fulgens styani</i>). <i>Zoo Biology</i> , 2005 , 24, 169-176	1.6	10
11	Distribution and conservation status of the endemic Chinese mountain cat <i>Felis bieti</i> . <i>Oryx</i> , 2004 , 38,	1.5	6
10	Phylogeny of Snub-Nosed Monkeys Inferred from Mitochondrial DNA, Cytochrome B, and 12S rRNA Sequences. <i>International Journal of Primatology</i> , 2004 , 25, 861-873	2	18

9	Introduction: Keynote Addresses from the XIXth Congress of the International Primatological Society, Beijing, China, August 4 9 , 2002. <i>International Journal of Primatology</i> , 2004 , 25, 1073-1076	2	
8	Microhabitat separation during winter among sympatric giant pandas, red pandas, and tufted deer: the effects of diet, body size, and energy metabolism. <i>Canadian Journal of Zoology</i> , 2004 , 82, 1451-1458 ^{1.5}		36
7	Sleeping Cave Selection, Activity Pattern and Time Budget of White-Headed Langurs. <i>International Journal of Primatology</i> , 2003 , 24, 813-824	2	47
6	Mitochondrial control region variability of baiji and the Yangtze finless porpoises, two sympatric small cetaceans in the Yangtze river. <i>Acta Theriologica</i> , 2003 , 48, 469-483		16
5	Sex-related gene and sex identification of Crested Ibis <i>Nipponia nippon</i> (Ciconiiformes: Threskiornithidae). <i>Science Bulletin</i> , 2001 , 46, 669-671		7
4	Seasonal energy utilization in bamboo by the red panda (<i>Ailurus fulgens</i>). <i>Zoo Biology</i> , 2000 , 19, 27-33	1.6	22
3	HABITAT USE AND SEPARATION BETWEEN THE GIANT PANDA AND THE RED PANDA. <i>Journal of Mammalogy</i> , 2000 , 81, 448-455	1.8	73
2	Use of the nutrients in bamboo by the red panda (<i>Ailurus fulgens</i>). <i>Journal of Zoology</i> , 1999 , 248, 535-541		52
1	Current distribution, status and conservation of wild red pandas <i>Ailurus fulgens</i> in China. <i>Biological Conservation</i> , 1999 , 89, 285-291	6.2	77