Yonggang Nie

List of Publications by Year
in descending order

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Version: 2024-02-01

31 papers	1,878 citations	394421 19 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1467 citing authors

#	Article	IF	Citations
1	Comparative genomics reveals convergent evolution between the bamboo-eating giant and red pandas. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1081-1086.	7.1	196
2	Exceptionally low daily energy expenditure in the bamboo-eating giant panda. Science, 2015, 349, 171-174.	12.6	190
3	Obligate herbivory in an ancestrally carnivorous lineage: the giant panda and bamboo from the perspective of nutritional geometry. Functional Ecology, 2015, 29, 26-34.	3.6	160
4	Progress in the ecology and conservation of giant pandas. Conservation Biology, 2015, 29, 1497-1507.	4.7	153
5	Giant Pandas Are Not an Evolutionary cul-de-sac: Evidence from Multidisciplinary Research. Molecular Biology and Evolution, 2015, 32, 4-12.	8.9	149
6	The Value of Ecosystem Services from Giant Panda Reserves. Current Biology, 2018, 28, 2174-2180.e7.	3.9	112
7	Giant panda scent-marking strategies in the wild: role of season, sex and marking surface. Animal Behaviour, 2012, 84, 39-44.	1.9	100
8	Seasonal variation in nutrient utilization shapes gut microbiome structure and function in wild giant pandas. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170955.	2.6	99
9	Diet Evolution and Habitat Contraction of Giant Pandas via Stable Isotope Analysis. Current Biology, 2019, 29, 664-669.e2.	3.9	71
10	Reproductive competition and fecal testosterone in wild male giant pandas (Ailuropoda melanoleuca). Behavioral Ecology and Sociobiology, 2012, 66, 721-730.	1.4	70
11	Conservation metagenomics: a new branch of conservation biology. Science China Life Sciences, 2019, 62, 168-178.	4.9	61
12	Individual identification of wild giant pandas from camera trap photos â€“ a systematic and hierarchical approach. Journal of Zoology, 2016, 300, 247-256.	1.7	58
13	Giant Pandas Are Macronutritional Carnivores. Current Biology, 2019, 29, 1677-1682.e2.	3.9	58
14	Inbreeding and inbreeding avoidance in wild giant pandas. Molecular Ecology, 2017, 26, 5793-5806.	3.9	57
15	Seasonal and reproductive variation in chemical constituents of scent signals in wild giant pandas. Science China Life Sciences, 2019, 62, 648-660.	4.9	55
16	Withered on the stem: is bamboo a seasonally limiting resource for giant pandas?. Environmental Science and Pollution Research, 2017, 24, 10537-10546.	5.3	50
17	Seasonal shift of the gut microbiome synchronizes host peripheral circadian rhythm for physiological adaptation to a low-fat diet in the giant panda. Cell Reports, 2022, 38, 110203.	6.4	49
18	Diet drives convergent evolution of gut microbiomes in bamboo-eating species. Science China Life Sciences, 2021, 64, 88-95.	4.9	43

#	Article	IF	Citations
19	Wildlife conservation and management in China: achievements, challenges and perspectives. National Science Review, 2021, 8, nwab042.	9.5	26
20	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
21	Symbiotic bacteria mediate volatile chemical signal synthesis in a large solitary mammal species. ISME Journal, 2021, 15, 2070-2080.	9.8	17
22	The giant panda is cryptic. Scientific Reports, 2021, 11, 21287.	3.3	14
23	Distinctive dietâ€tissue isotopic discrimination factors derived from the exclusive bambooâ€eating giant panda. Integrative Zoology, 2016, 11, 447-456.	2.6	11
24	Why wild giant pandas frequently roll in horse manure. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32493-32498.	7.1	11
25	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
26	Genomic Signatures of Coevolution between Nonmodel Mammals and Parasitic Roundworms. Molecular Biology and Evolution, 2021, 38, 531-544.	8.9	10
27	Conservation genetics and genomics of threatened vertebrates in China. Journal of Genetics and Genomics, 2018, 45, 593-601.	3.9	9
28	A single nucleotide mutation in the dual-oxidase 2 (DUOX2) gene causes some of the panda's unique metabolic phenotypes. National Science Review, 2022, 9, nwab125.	9.5	8
29	Ecological context influences scentâ€marking behavior in the giant panda. Journal of Zoology, 2019, 309, 191-199.	1.7	7
30	Geographic distributions shape the functional traits in a large mammalian family. Ecology and Evolution, 2021, 11, 13175-13185.	1.9	3
31	Seasonal dynamics of parasitism and stress physiology in wild giant pandas. , 2020, 8, coaa085.		2