

# Zhengwang Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

121  
papers

2,030  
citations

331670

21  
h-index

315739

38  
g-index

129  
all docs

129  
docs citations

129  
times ranked

2101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inter-glacial isolation caused divergence of cold-adapted species: the case of the snow partridge. <i>Environmental Epigenetics</i> , 2022, 68, 489-498.	1.8	4
2	Sex differences in immune gene expression in the brain of a small shorebird. <i>Immunogenetics</i> , 2022, 74, 487-496.	2.4	3
3	Genome-wide data reveal paraphyly in the sand plover complex ( <i>Charadrius</i> ). <i>Trends in Ecology and Evolution</i> , 2022, 33, 101-110.	1.4	5
4	Unravelling the processes between phenotypic plasticity and population dynamics in migratory birds. <i>Journal of Animal Ecology</i> , 2022, 91, 983-995.	2.8	5
5	A pipeline for effectively developing highly polymorphic simple sequence repeats markers based on multi-sample genomic data. <i>Ecology and Evolution</i> , 2022, 12, e8705.	1.9	5
6	Artificial shelters provide suitable thermal habitat for a cold-blooded animal. <i>Scientific Reports</i> , 2022, 12, 5879.	3.3	2
7	Threatened songbird <i>Liocichla omeiensis</i> impacted by climate-induced outbreak of the moth <i>Pantana phyllostachysae</i> : An example of the impact of climate change through multi-species interactions. <i>Conservation Science and Practice</i> , 2022, 4, .	2.0	1
8	Disentangling the relative roles of geographical and ecological factors in driving genomic variations of a widely distributed bird across a longitudinal gradient. <i>Journal of Avian Biology</i> , 2022, 2022, .	1.2	0
9	A novel function of egg burial: burying material prevents eggs rolling out of wind-swayed nests. <i>Animal Behaviour</i> , 2022, 189, 1-13.	1.9	2
10	Evaluating staging habitat quality to advance the conservation of a declining migratory shorebird, Red Knot <i>Calidris canutus</i> . <i>Journal of Applied Ecology</i> , 2022, 59, 2084-2093.	4.0	8
11	Genomic status of yellow-breasted bunting following recent rapid population decline. <i>IScience</i> , 2022, 25, 104501.	4.1	1
12	Discovery of a morphologically and genetically distinct population of Black-tailed Godwits in the East Asian-Australasian Flyway. <i>Ibis</i> , 2021, 163, 448-462.	1.9	8
13	Genomic Consequences of Long-Term Population Decline in Brown Eared Pheasant. <i>Molecular Biology and Evolution</i> , 2021, 38, 263-273.	8.9	36
14	Community composition and behavioral differences of migrating shorebirds between two habitats within a <i>Suaeda salsa</i> saltmarsh-mudflat wetland mosaics. <i>Biodiversity Science</i> , 2021, 29, 351-360.	0.6	5
15	Males and females of a polygamous songbird respond differently to mating opportunities. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	7
16	Multilocus phylogeography and ecological niche modeling suggest speciation with gene flow between the two Bamboo Partridges. <i>Avian Research</i> , 2021, 12, .	1.2	2
17	Mollusc aquaculture homogenizes intertidal soft-sediment communities along the 18,400 km long coastline of China. <i>Diversity and Distributions</i> , 2021, 27, 1553-1567.	4.1	14
18	Artificial Wetlands as Breeding Habitats for Shorebirds: A Case Study on Pied Avocets in China's Largest Saltpan Complex. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	6

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19	The value of coastal salt pans for migratory shorebirds: conservation insights from a stable isotope approach based on feeding guild and body size. <i>Animal Conservation</i> , 2021, 24, 1071-1083.	2.9	11
20	Saltmarsh vegetation and social environment influence flexible seasonal vigilance strategies for two sympatric migratory curlew species in adjacent coastal habitats. <i>Avian Research</i> , 2021, 12, .	1.2	3
21	Rapid Reclamation and Degradation of Suaeda salsa Saltmarsh along Coastal China's Northern Yellow Sea. <i>Land</i> , 2021, 10, 835.	2.9	10
22	Identification of breeding grounds and annual routines of the newly discovered <i>bohaii</i> subspecies of Black-tailed Godwits. <i>Emu</i> , 2021, 121, 292-302.	0.6	4
23	Occurrence and risks of PCDD/Fs and PCBs in three raptors from North China. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112541.	6.0	5
24	Identifying A New Phylogeographic Population of the Blyth's Tragopan ( <i>)</i> through Multi-locus Analyses.. <i>Zoological Studies</i> , 2021, 60, e40.	0.3	0
25	Extra-pair mating opportunities mediate parenting and mating effort trade-offs in a songbird. <i>Behavioral Ecology</i> , 2020, 31, 421-431.	2.2	7
26	Prolactin concentrations predict parental investment and nest survival in a free-living shorebird. <i>Hormones and Behavior</i> , 2020, 119, 104633.	2.1	4
27	Seasonal and population differences in migration of Whimbrels in the East Asian "Australasian Flyway. <i>Avian Research</i> , 2020, 11, .	1.2	14
28	Research activity does not affect nest predation rates of the Silver-throated Tit, a passerine bird building domed nests. <i>Avian Research</i> , 2020, 11, .	1.2	6
29	Regional drivers of diversification in the late Quaternary in a widely distributed generalist species, the common pheasant <i>Phasianus colchicus</i> . <i>Journal of Biogeography</i> , 2020, 47, 2714-2727.	3.0	10
30	Analysing phenotypic variation in barn swallows ( <i>Hirundo rustica</i> ) across China to assess subspecies status. <i>Biological Journal of the Linnean Society</i> , 2020, 131, 319-331.	1.6	5
31	A birdstrike risk assessment model and its application at Ordos Airport, China. <i>Scientific Reports</i> , 2020, 10, 19627.	3.3	10
32	An unusual homing behavior found in the Sichuan Partridge during the early brooding period. <i>Avian Research</i> , 2020, 11, .	1.2	3
33	The allocation between egg size and clutch size depends on local nest survival rate in a mean of bet-hedging in a shorebird. <i>Avian Research</i> , 2020, 11, .	1.2	12
34	Burrow ambient temperature influences <i>Helice</i> crab activity and availability for migratory Red-crowned cranes <i>Grus japonensis</i> . <i>Ecology and Evolution</i> , 2020, 10, 11523-11534.	1.9	6
35	Disentangling the evolutionary history and biogeography of hill partridges (Phasianidae, Arborophila) from low coverage shotgun sequences. <i>Molecular Phylogenetics and Evolution</i> , 2020, 151, 106895.	2.7	2
36	Size, shape and sex differences in three subspecies of Black-tailed Godwits <i>Limosa limosa</i> . <i>Bird Study</i> , 2020, 67, 45-52.	1.0	7

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37	Noncrop features and heterogeneity mediate overwintering bird diversity in agricultural landscapes of southwest China. <i>Ecology and Evolution</i> , 2020, 10, 5815-5828.	1.9	1
38	Lack of fine-tuned egg rejection adjustment in barn swallows with variable local abundance of common cuckoos. <i>Behavioural Processes</i> , 2020, 174, 104087.	1.1	2
39	Differences in dietary specialization, habitat use and susceptibility to human disturbance influence feeding rates and resource partitioning between two migratory <i>Numenius curlew</i> species. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106990.	2.1	1
40	Predictors of Gull-billed tern ( <i>Gelochelidon nilotica</i> ) nest survival in artificial coastal saltpans, Bohai Bay, China. <i>PeerJ</i> , 2020, 8, e10054.	2.0	5
41	Spatial Ecology of Asian Water Monitors Adjacent to a Sea Turtle Nesting Beach. <i>Zoological Science</i> , 2020, 38, 1-7.	0.7	0
42	Filling knowledge gaps in a threatened shorebird flyway through satellite tracking. <i>Journal of Applied Ecology</i> , 2019, 56, 2305-2315.	4.0	50
43	Habitat use by migrating Whimbrels ( <i>Numenius phaeopus</i> ) as determined by bio-tracking at a stopover site in the Yellow Sea. <i>Journal of Ornithology</i> , 2019, 160, 1109-1119.	1.1	7
44	Genetic, phenotypic and ecological differentiation suggests incipient speciation in two <i>Charadrius</i> plovers along the Chinese coast. <i>BMC Evolutionary Biology</i> , 2019, 19, 135.	3.2	30
45	Genome assembly of the common pheasant <i>Phasianus colchicus</i> , a model for speciation and ecological genomics. <i>Genome Biology and Evolution</i> , 2019, 11, 3326-3331.	2.5	6
46	Sex-biased dispersal patterns of a social passerine: complementary approaches and evidence for a role of spatial scale. <i>Biological Journal of the Linnean Society</i> , 2019, 128, 592-602.	1.6	6
47	Convergent genomic signatures of flight loss in birds suggest a switch of main fuel. <i>Nature Communications</i> , 2019, 10, 2756.	12.8	24
48	Context-dependent strategies of food allocation among offspring in a facultative cooperative breeder. <i>Behavioral Ecology</i> , 2019, 30, 975-985.	2.2	5
49	Effects of migration and reproduction on the variation in persistent organic pollutant levels in Kentish Plovers from Cangzhou Wetland, China. <i>Science of the Total Environment</i> , 2019, 670, 122-128.	8.0	10
50	Demographic Histories and Genome-Wide Patterns of Divergence in Incipient Species of Shorebirds. <i>Frontiers in Genetics</i> , 2019, 10, 919.	2.3	14
51	Offspring sex ratio is unrelated to parental quality and time of breeding in a multiple-breeding shorebird. <i>Journal of Ornithology</i> , 2019, 160, 443-452.	1.1	8
52	Three cases of potential twinning in Weddell seals ( <i>Leptonychotes weddellii</i> ) at Fildes Peninsula, King George Island, Antarctica. <i>Polar Biology</i> , 2018, 41, 611-617.	1.2	4
53	Breeding biology and parental care strategy of the little-known Chinese Penduline Tit ( <i>Remiz</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.1	7
54	Do hair-crested drongos reduce prospective territory competition by dismantling their nest after breeding?. <i>Behavioral Ecology and Sociobiology</i> , 2018, 72, 1.	1.4	2

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55	Research advances of Galliformes since 1990 and future prospects. <i>Avian Research</i> , 2018, 9, .	1.2	17
56	Alternative habitat: the importance of the Nanpu Salt pans for migratory waterbirds in the Chinese Yellow Sea. <i>Bird Conservation International</i> , 2018, 28, 549-566.	1.3	27
57	A simple strategy for recovering ultraconserved elements, exons, and introns from low coverage shotgun sequencing of museum specimens: Placement of the partridge genus <i>Tropicoperdix</i> within the galliformes. <i>Molecular Phylogenetics and Evolution</i> , 2018, 129, 304-314.	2.7	13
58	Glaciation-based isolation contributed to speciation in a Palearctic alpine biodiversity hotspot: Evidence from endemic species. <i>Molecular Phylogenetics and Evolution</i> , 2018, 129, 315-324.	2.7	22
59	The role of niche divergence and geographic arrangement in the speciation of Eared Pheasants ( <i>Crossoptilon</i> , Hodgson 1938). <i>Molecular Phylogenetics and Evolution</i> , 2017, 113, 1-8.	2.7	23
60	Unusual incubation behavior and embryonic tolerance of hypothermia in the Sichuan Partridge ( <i>Arborophila rufipectus</i> ). <i>Journal of Ornithology</i> , 2017, 158, 707-715.	1.1	18
61	Phylogeography of the Common Pheasant <i>Phasianus colchicus</i> . <i>Ibis</i> , 2017, 159, 430-442.	1.9	16
62	Habitat-dependent changes in vigilance behaviour of Red-crowned Crane influenced by wildlife tourism. <i>Scientific Reports</i> , 2017, 7, 16614.	3.3	20
63	Characterization of novel microsatellite markers of the Emei Shan <i>Liocichla</i> using restriction site-associated DNA sequencing. <i>Avian Research</i> , 2017, 8, .	1.2	5
64	Ancestral range reconstruction of Galliformes: the effects of topology and taxon sampling. <i>Journal of Biogeography</i> , 2017, 44, 122-135.	3.0	52
65	Loss of habitat leads to loss of birds: reflections on the Jiangsu, China, coastal development plans. <i>Wader Study</i> , 2017, 124, .	0.4	23
66	Community-wide changes in intertaxonomic temporal co-occurrence resulting from phenological shifts. <i>Global Change Biology</i> , 2016, 22, 1746-1754.	9.5	26
67	Nest predators, nest-site selection and nest success of the Emei Shan <i>Liocichla</i> ( <i>Liocichla omeiensis</i> ), a vulnerable babbler endemic to southwestern China. <i>Avian Research</i> , 2016, 7, .	1.2	19
68	Breeding experience, but not mate retention, determines the breeding performance in a passerine bird. <i>Behavioral Ecology</i> , 2016, 27, 1255-1262.	2.2	12
69	Breeding Biology of a Little-Known Raptor in Central China: The Chinese Sparrowhawk ( <i>Accipiter</i> )	1.0784314	314
70	No facultative manipulation of offspring sex ratio in relation to parental genetic characteristics in a bird with sex-specific heterozygosity-fitness correlation. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 963-973.	1.4	3
71	Social behavior and cooperative breeding in a precocial species: The Kalij Pheasant ( <i>Lophura</i> )	1.0784314	314
72	Explaining variation in brood parasitism rates between potential host species with similar habitat requirements. <i>Evolutionary Ecology</i> , 2016, 30, 905-923.	1.2	34

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73	Egg-spot matching in common cuckoo parasitism of the oriental reed warbler: effects of host nest availability and egg rejection. <i>Avian Research</i> , 2016, 7, .	1.2	17
74	Evaluation of nest site preferences of a nest dismantler, the Hair-crested Drongo ( <i>Dicrurus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	1.2	5
75	The Sex Ratio of Orange-flanked Bush-robins (Aves: Passeriformes: Muscicapidae) from a Winter Population in Central China. <i>Journal of Natural History</i> , 2016, 50, 1283-1289.	0.5	0
76	Nest-site microhabitat association of red-billed leiothrix in subtropical fragmented forest in central China: evidence for a reverse edge effect on nest predation risk?. <i>Journal of Natural History</i> , 2016, 50, 1483-1501.	0.5	5
77	Molluscs of an intertidal soft-sediment area in China: Does overfishing explain a high density but low diversity community that benefits staging shorebirds?. <i>Journal of Sea Research</i> , 2016, 109, 20-28.	1.6	15
78	Assessment of red list of birds in China. <i>Biodiversity Science</i> , 2016, 24, 568-577.	0.6	16
79	Dramatic decline of the Vulnerable Reeves's pheasant <i>Syrnaticus reevesii</i> , endemic to central China. <i>Oryx</i> , 2015, 49, 529-534.	1.0	20
80	Revival of the genus <i>Tropicoperdix</i> Blyth 1859 (Phasianidae, Aves) using multilocus sequence data. <i>Zoological Journal of the Linnean Society</i> , 2015, 175, 429-438.	2.3	10
81	Oriental reed warbler ( <i>Acrocephalus orientalis</i> ) nest defence behaviour towards brood parasites and nest predators. <i>Behaviour</i> , 2015, 152, 1601-1621.	0.8	26
82	Reed Parrotbill nest predation by tidal mudflat crabs: Evidence for an ecological trap?. <i>Ecosphere</i> , 2015, 6, art20-art20.	2.2	8
83	Roles of phenotypic and genetic characteristics in the social mating pattern of Silver-throated Tits ( <i>Aegithalos glaucogularis</i> ). <i>Journal of Ornithology</i> , 2015, 156, 687-697.	1.1	3
84	Was the exposed continental shelf a long-distance colonization route in the ice age? The Southeast Asia origin of Hainan and Taiwan partridges. <i>Molecular Phylogenetics and Evolution</i> , 2015, 83, 167-173.	2.7	18
85	Low nest survival of a breeding shorebird in Bohai Bay, China. <i>Journal of Ornithology</i> , 2015, 156, 297-307.	1.1	25
86	Deep phylogeographic divergence of a migratory passerine in <i>Sino-Himalayan</i> and <i>Siberian</i> forests: the <i>Red-flanked Bluetail</i> ( <i>Tarsiger cyanurus</i> ) complex. <i>Ecology and Evolution</i> , 2014, 4, 977-986.	1.9	8
87	Female tidal mudflat crabs represent a critical food resource for migratory Red-crowned Cranes in the Yellow River Delta, China. <i>Bird Conservation International</i> , 2014, 24, 416-428.	1.3	19
88	Extra-pair paternity in two sympatric <i>Aegithalos</i> tits: patterns and implications. <i>Journal of Ornithology</i> , 2014, 155, 83-90.	1.1	8
89	Rethinking China's new great wall. <i>Science</i> , 2014, 346, 912-914.	12.6	423
90	Do Parents and Helpers Discriminate between Related and Unrelated Nestlings in the Cooperative Breeding Silver-throated Tit?. <i>Ethology</i> , 2014, 120, 159-168.	1.1	2

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91	Molecular demographic history of the Hainan Peacock Pheasant ( <i>Polyplectron katsumatae</i> ) and its conservation implications. <i>Science Bulletin</i> , 2013, 58, 2185-2190.	1.7	6
92	Quaternary climate and environmental changes have shaped genetic differentiation in a Chinese pheasant endemic to the eastern margin of the Qinghai-Tibetan Plateau. <i>Molecular Phylogenetics and Evolution</i> , 2013, 67, 129-139.	2.7	26
93	The importance of artificial habitats to migratory waterbirds within a natural/artificial wetland mosaic, Yellow River Delta, China. <i>Bird Conservation International</i> , 2013, 23, 184-198.	1.3	58
94	Assessing Phylogenetic Relationships among Galliformes: A Multigene Phylogeny with Expanded Taxon Sampling in Phasianidae. <i>PLoS ONE</i> , 2013, 8, e64312.	2.5	86
95	Emei Shan Liocichla: population, behavior and conservation. <i>Chinese Birds: the International Journal of Ornithology</i> , 2013, 4, 260-264.	0.6	5
96	Ectoparasites and other invertebrates in the nests of the Hair-crested Drongo ( <i>Dicrurus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,542 Td (h	0.6	2
97	A review and assessment of nature reserve policy in China: advances, challenges and opportunities. <i>Oryx</i> , 2012, 46, 554-562.	1.0	53
98	The Application of Temperature Data Loggers for Remotely Monitoring the Nests of Emei Shan Liocichla ( <i>Liocichla omeiensis</i> ). <i>Zoological Science</i> , 2012, 29, 373-376.	0.7	4
99	Information-theoretic model selection affects home-range estimation and habitat preference inference: a case study of male Reeves's Pheasants <i>Syrnaticus reevesii</i> . <i>Ibis</i> , 2012, 154, 273-284.	1.9	7
100	Breeding biology of two sympatric <i>Aegithalos</i> tits with helpers at the nest. <i>Journal of Ornithology</i> , 2012, 153, 273-283.	1.1	18
101	Coupling Genetic and Species Distribution Models to Examine the Response of the Hainan Partridge ( <i>Arborophila ardens</i> ) to Late Quaternary Climate. <i>PLoS ONE</i> , 2012, 7, e50286.	2.5	13
102	A panel of polymorphic microsatellites in the Blue Eared Pheasant ( <i>Crossoptilon auritum</i> ) developed by cross-species amplification. <i>Chinese Birds: the International Journal of Ornithology</i> , 2012, 3, 103-107.	0.6	11
103	Patterns of waterbird community composition across a natural and restored wetland landscape mosaic, Yellow River Delta, China. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 325-332.	2.1	53
104	Profound Climatic Effects on Two East Asian Black-Throated Tits ( <i>Ave: Aegithalidae</i> ), Revealed by Ecological Niche Models and Phylogeographic Analysis. <i>PLoS ONE</i> , 2011, 6, e29329.	2.5	47
105	Home range and habitat composition of male Reeves's Pheasants in an agricultural-forest plantation landscape in central China: a preliminary report. <i>Chinese Birds: the International Journal of Ornithology</i> , 2011, 2, 53-58.	0.6	3
106	Hainan Peacock Pheasant ( <i>Polyplectron katsumatae</i> ): an endangered and rare tropical forest bird. <i>Chinese Birds: the International Journal of Ornithology</i> , 2011, 2, 111-116.	0.6	6
107	High frequency components in avian vocalizations. <i>Chinese Birds: the International Journal of Ornithology</i> , 2011, 2, 125-131.	0.6	3
108	Effect of geological vicariance on mitochondrial DNA differentiation in Common Pheasant populations of the Loess Plateau and eastern China. <i>Molecular Phylogenetics and Evolution</i> , 2010, 55, 409-417.	2.7	25

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109	Improvement on molecular sex identification primers for Passeriform bird species. <i>Chinese Birds: the International Journal of Ornithology</i> , 2010, 1, 65-69.	0.6	23
110	Nest-Dismantling Behavior of the Hair-Crested Drongo in Central China: An Adaptive Behavior for Increasing Fitness?. <i>Condor</i> , 2009, 111, 197-201.	1.6	12
111	Research progress in avian dispersal behavior. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2008, 3, 375-384.	0.2	10
112	Trace metal concentration in Great Tit ( <i>Parus major</i> ) and Greenfinch ( <i>Carduelis sinica</i> ) at the Western Mountains of Beijing, China. <i>Environmental Pollution</i> , 2007, 148, 620-626.	7.5	88
113	Den selection by the giant panda in Foping Nature Reserve, China. <i>Journal of Natural History</i> , 2007, 41, 2529-2536.	0.5	8
114	Home range and habitat use of male Reeves's pheasant ( <i>Syrnaticus reevesii</i> ) during winter in Dongzhai National Nature Reserve, Henan Province, China. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2006, 1, 174-181.	0.2	2
115	Intra-specific relationships among Tibetan Eared-pheasants based on randomly amplified polymorphic DNA (RAPD) analysis. <i>Frontiers of Biology in China: Selected Publications From Chinese Universities</i> , 2006, 1, 394-397.	0.2	0
116	Effects of iron mine exploitation on the population of brown eared pheasant. <i>Biodiversity Science</i> , 2004, 12, 319-323.	0.6	4
117	The current status and a conservation strategy for species of Galliformes in China. <i>Biodiversity Science</i> , 2003, 11, 414-421.	0.6	28
118	Spatial pattern and habitat selection of brown eared pheasant in Wulushan Nature Reserve, Shanxi Province. <i>Biodiversity Science</i> , 2003, 11, 303-308.	0.6	7
119	The analysis of waterbird diversity in Tianjin. <i>Biodiversity Science</i> , 2002, 10, 280-285.	0.6	19
120	Integrating habitat suitability modelling and assessment of the conservation gaps of nature reserves for the threatened Reeves's Pheasant. <i>Bird Conservation International</i> , 0, , 1-14.	1.3	6
121	Current breeding distributions and predicted range shifts under climate change in two subspecies of Black-tailed Godwits in Asia. <i>Global Change Biology</i> , 0, , .	9.5	12