

Guiming Wang

List of Publications by Year in descending order

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106
papers

1,797
citations

257450

24
h-index

345221

36
g-index

106
all docs

106
docs citations

106
times ranked

2173
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate affects the outbreaks of a forest defoliator indirectly through its tree hosts. <i>Oecologia</i> , 2022, 198, 407-418.	2.0	9
2	Connecting hunt outcomes to the demographics, behaviors, and experiences of wild turkey hunters in Mississippi. <i>Wildlife Society Bulletin</i> , 2022, 46, .	0.8	1
3	Individual trophic niche specialization in American beaver (<i>Castor canadensis</i>). <i>Food Webs</i> , 2022, 32, e00235.	1.2	2
4	Seasonal variation and tracking of climate niche of a migratory bird. <i>Global Ecology and Conservation</i> , 2022, 37, e02155.	2.1	1
5	Large- and Small-Scale Climate Influences Spring Migration Departure Probability of American White Pelicans. <i>Diversity</i> , 2022, 14, 500.	1.7	1
6	Bayesian and frequentist approaches to multinomial count models in ecology. <i>Ecological Informatics</i> , 2021, 61, 101209.	5.2	4
7	Spatial transferability of expert opinion models for American beaver habitat. <i>Ecological Informatics</i> , 2021, 61, 101211.	5.2	0
8	Denning, metabolic suppression, and the realisation of ecological opportunities in Ursidae. <i>Mammal Review</i> , 2021, 51, 465-481.	4.8	0
9	Warming-driven shifts in ecological control of fish communities in a large northern Chinese lake over 66 years. <i>Science of the Total Environment</i> , 2021, 770, 144722.	8.0	12
10	Bayesian regression models for ecological count data in PyMC3. <i>Ecological Informatics</i> , 2021, 63, 101301.	5.2	2
11	Spatial conservation prioritization for the Amur tiger in Northeast China. <i>Ecosphere</i> , 2021, 12, e03758.	2.2	14
12	Timing outweighs magnitude of rainfall in shaping population dynamics of a small mammal species in steppe grassland. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
13	Relationships between survival and habitat suitability of semi-aquatic mammals. <i>Ecology and Evolution</i> , 2020, 10, 4867-4875.	1.9	8
14	Ecological plasticity of denning chronology by American black bears and brown bears. <i>Global Ecology and Conservation</i> , 2019, 20, e00750.	2.1	5
15	Machine learning for inferring animal behavior from location and movement data. <i>Ecological Informatics</i> , 2019, 49, 69-76.	5.2	84
16	Habitat selection by American beaver at multiple spatial scales. <i>Animal Biotelemetry</i> , 2019, 7, .	1.9	10
17	Machine learning of large-scale spatial distributions of wild turkeys with high-dimensional environmental data. <i>Ecology and Evolution</i> , 2019, 9, 5938-5949.	1.9	44
18	Bayesian spatiotemporal dynamic models for regional dynamics of avian populations. <i>Ecological Informatics</i> , 2018, 45, 31-37.	5.2	6

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19	Birth date promotes a tortoise or hare tactic for body mass development of a long-lived male ungulate. <i>Oecologia</i> , 2018, 186, 117-128.	2.0	7
20	Sensitivity analysis demonstrates limits to utility of lactation index for white-tailed deer management. <i>Wildlife Society Bulletin</i> , 2018, 42, 444-451.	1.6	1
21	Scale-dependent home range optimality for a solitary omnivore. <i>Ecology and Evolution</i> , 2018, 8, 12271-12282.	1.9	42
22	Nutrition and ontogeny influence weapon development in a long-lived mammal. <i>Canadian Journal of Zoology</i> , 2018, 96, 955-962.	1.0	9
23	Spatiotemporal dynamics of mesocarnivore populations. <i>Wildlife Biology</i> , 2018, 2018, 1-7.	1.4	4
24	Large Mammal Use of Seminatural Grasslands and Implications for Aviation Strike Risk. <i>Journal of Fish and Wildlife Management</i> , 2018, 9, 222-227.	0.9	0
25	Advances and Environmental Conditions of Spring Migration Phenology of American White Pelicans. <i>Scientific Reports</i> , 2017, 7, 40339.	3.3	12
26	Land sharing and land sparing reveal social and ecological synergy in big cat conservation. <i>Biological Conservation</i> , 2017, 211, 142-149.	4.1	27
27	Protocol for Assessing the Relative Effects of Environment and Genetics on Antler and Body Growth for a Long-lived Cervid. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	0
28	Restricted cross-scale habitat selection by American beavers. <i>Environmental Epigenetics</i> , 2017, 63, 703-710.	1.8	11
29	Landscape-Abundance Relationships of Male Eastern Wild Turkeys (<i>Meleagris gallopavo silvestris</i>) in Mississippi, USA. <i>Acta Ornithologica</i> , 2017, 52, 127-139.	0.5	9
30	Restricted dispersal determines fine-scale spatial genetic structure of Mongolian gerbils. <i>Environmental Epigenetics</i> , 2017, 63, 687-691.	1.8	6
31	Sexual size dimorphism of group-living Mongolian gerbils <i>Meriones unguiculatus</i> (Muridae): Tj ETQq1 1 0.784314 rgBT /Overlock 10 T		3
32	Seasonal effects of wind conditions on migration patterns of soaring American white pelican. <i>PLoS ONE</i> , 2017, 12, e0186948.	2.5	10
33	Winter and Summer Home Ranges of American White Pelicans (<i>Pelecanus erythrorhynchos</i>) Captured at Loafing Sites in the Southeastern United States. <i>Waterbirds</i> , 2016, 39, 287-294.	0.3	9
34	Adjusting for seasonal harvest bias in the lactation index for white-tailed deer management. <i>Wildlife Society Bulletin</i> , 2016, 40, 754-757.	1.6	2
35	Improved nutrition cues switch from efficiency to luxury phenotypes for a long-lived ungulate. <i>Ecology and Evolution</i> , 2016, 6, 7276-7285.	1.9	22
36	Spatial niche partitioning of coexisting small mammals in sand dunes. <i>Italian Journal of Zoology</i> , 2016, 83, 248-254.	0.6	11

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37	Litter sizes of Daurian ground squirrels peak at intermediate body sizes. <i>Mammalian Biology</i> , 2016, 81, 61-65.	1.5	0
38	Successive sheep grazing reduces population density of Brandt's voles in steppe grassland by altering food resources: a large manipulative experiment. <i>Oecologia</i> , 2016, 180, 149-159.	2.0	24
39	New hope for the survival of the Amur leopard in China. <i>Scientific Reports</i> , 2015, 5, 15475.	3.3	34
40	Simulations of wood duck recruitment from nest boxes in Mississippi and Alabama. <i>Journal of Wildlife Management</i> , 2015, 79, 907-916.	1.8	6
41	Effects of weather and landscape on the equine West Nile virus infection risk in Mississippi, USA. <i>Geospatial Health</i> , 2015, 10, 357.	0.8	2
42	Complex and nonlinear effects of weather and density on the demography of small herbivorous mammals. <i>Basic and Applied Ecology</i> , 2015, 16, 172-179.	2.7	14
43	Spatial distribution drivers of Amur leopard density in northeast China. <i>Biological Conservation</i> , 2015, 191, 258-265.	4.1	37
44	Assessment of variation of nest survival for grassland birds due to method of nest discovery. <i>Bird Study</i> , 2015, 62, 223-231.	1.0	7
45	Behavioral Traits and Airport Type Affect Mammal Incidents with U.S. Civil Aircraft. <i>Environmental Management</i> , 2014, 54, 908-918.	2.7	11
46	Movement characteristics of American beavers (<i>Castor canadensis</i>). <i>Behaviour</i> , 2014, 151, 1249-1265.	0.8	9
47	The cumulative effects of management on the population dynamics of the double-crested cormorant (<i>Phalacrocorax auritus</i>) in the Great Lakes. <i>Ibis</i> , 2014, 156, 141-152.	1.9	9
48	Effects of spatiotemporal resource heterogeneity on home range size of American beaver. <i>Journal of Zoology</i> , 2014, 293, 134-141.	1.7	28
49	Population-level response of coyotes to a pulsed resource event. <i>Population Ecology</i> , 2014, 56, 349-358.	1.2	19
50	Optimal body weight of Brandt's voles for winter survival. <i>Journal of Arid Environments</i> , 2014, 103, 31-35.	2.4	4
51	Brood Surveys and Hunter Observations Used to Predict Gobbling Activity of Wild Turkeys in Mississippi. <i>Journal of Fish and Wildlife Management</i> , 2014, 5, 151-156.	0.9	2
52	Bat Incidents with U.S. Civil Aircraft. <i>Acta Chiropterologica</i> , 2013, 15, 185-192.	0.6	11
53	Weather entrainment and multispectral diel activity rhythm of desert hamsters. <i>Behavioural Processes</i> , 2013, 99, 62-66.	1.1	6
54	Comparative population dynamics of large and small mammals in the Northern Hemisphere: deterministic and stochastic forces. <i>Ecography</i> , 2013, 36, 439-446.	4.5	13

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55	Home Ranges and Habitat Use of Brown Pelicans (<i>Pelecanus occidentalis</i>) in the Northern Gulf of Mexico. <i>Waterbirds</i> , 2013, 36, 494-500.	0.3	9
56	Microscale den-site selection of grizzly bears in southwestern Yukon. <i>Ursus</i> , 2012, 23, 226-230.	0.5	14
57	Carabid beetle response to prescribed fire and herbicide in intensively managed, mid-rotation pine stands in Mississippi. <i>Forest Ecology and Management</i> , 2012, 281, 41-47.	3.2	19
58	Effects of resource dispersion and site familiarity on movements of translocated wild turkeys on fragmented landscapes. <i>Behavioural Processes</i> , 2012, 91, 119-124.	1.1	22
59	Fast and slow dynamics of northern small mammal populations. <i>Ecological Modelling</i> , 2012, 225, 95-102.	2.5	3
60	Towards optimized population control efficiency in space and time: A modelling framework adapted to a colonial waterbird. <i>Ecological Modelling</i> , 2012, 235-236, 95-101.	2.5	1
61	Sizes and Long-Term Trends of Duck Broods in Maine, 1955–2007. <i>Northeastern Naturalist</i> , 2011, 18, 73-86.	0.3	1
62	Home-range sizes of social groups of Mongolian gerbils <i>Meriones unguiculatus</i> . <i>Journal of Arid Environments</i> , 2011, 75, 132-137.	2.4	18
63	Despotism and Risk of Infanticide Influence Grizzly Bear Den-Site Selection. <i>PLoS ONE</i> , 2011, 6, e24133.	2.5	43
64	Winter food availability limits winter survival of Mongolian gerbils (<i>Meriones unguiculatus</i>). <i>Acta Theriologica</i> , 2011, 56, 219-227.	1.1	6
65	White-tailed deer incidents with U.S. civil aircraft. <i>Wildlife Society Bulletin</i> , 2011, 35, 303-309.	1.6	18
66	Genetic Consequences of Group Living in Mongolian Gerbils. <i>Journal of Heredity</i> , 2011, 102, 554-561.	2.4	9
67	Determinants of local and migratory movements of Great Lakes double-crested cormorants. <i>Behavioral Ecology</i> , 2011, 22, 1096-1103.	2.2	30
68	Mountain Ridge and Sea: Geographic-Barrier Effects on Genetic Diversity and Differentiation of the Hong Kong Newt (<i>Paramesotriton hongkongensis</i>) Revealed by AFLP. <i>Annales Zoologici Fennici</i> , 2011, 48, 119-127.	0.6	2
69	Survival and fidelity of an enclosed white-tailed deer population using capture–recapture-reporting data. <i>Population Ecology</i> , 2010, 52, 81-88.	1.2	11
70	Sweep-Net Sampling Acorns in Forested Wetlands. <i>Journal of Wildlife Management</i> , 2010, 74, 1931-1933.	1.8	2
71	Dry weather induces outbreaks of human West Nile virus infections. <i>BMC Infectious Diseases</i> , 2010, 10, 38.	2.9	73
72	Multiple paternities increase genetic diversity of offspring in Brandt's voles. <i>Behavioural Processes</i> , 2010, 84, 745-749.	1.1	15

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73	Population Ecology of Wild Mongolian Gerbils <i>Meriones Unguiculatus</i> . <i>Journal of Mammalogy</i> , 2009, 90, 832-840.	1.3	28
74	Spatial synchrony propagates through a forest food web via consumer–resource interactions. <i>Ecology</i> , 2009, 90, 2974-2983.	3.2	54
75	Comparative population dynamics of <i>Peromyscus leucopus</i> in North America: influences of climate, food, and density dependence. <i>Population Ecology</i> , 2009, 51, 133-142.	1.2	28
76	Density dependence in northern ungulates: interactions with predation and resources. <i>Population Ecology</i> , 2009, 51, 123-132.	1.2	57
77	Effects of supplemental food on the social organization of Mongolian gerbils during the breeding season. <i>Journal of Zoology</i> , 2009, 278, 249-257.	1.7	16
78	Signal extraction from long-term ecological data using Bayesian and non-Bayesian state-space models. <i>Ecological Informatics</i> , 2009, 4, 69-75.	5.2	8
79	Effects of winter food availability on the abundance of Daurian pikas (<i>Ochotona dauurica</i>) in Inner Mongolian grasslands. <i>Journal of Arid Environments</i> , 2008, 72, 1383-1387.	2.4	8
80	Population Dynamics and Recovery of Endangered Crested Ibis (<i>Nipponia nippon</i>) in Central China. <i>Waterbirds</i> , 2008, 31, 489-494.	0.3	7
81	Communal food caches and social groups of Brandt's voles in the typical steppes of Inner Mongolia, China. <i>Journal of Arid Environments</i> , 2007, 68, 398-407.	2.4	20
82	Cattle dynamics in African grazing systems under variable climates. <i>Journal of Arid Environments</i> , 2007, 70, 495-513.	2.4	27
83	COMPOSITE FORCES SHAPE POPULATION DYNAMICS OF COPEPOD CRUSTACEANS. <i>Ecology</i> , 2007, 88, 658-670.	3.2	15
84	Projected ecosystem impact of the Prairie Heating and CO ₂ Enrichment experiment. <i>New Phytologist</i> , 2007, 174, 823-834.	7.3	85
85	On the latent state estimation of nonlinear population dynamics using Bayesian and non-Bayesian state-space models. <i>Ecological Modelling</i> , 2007, 200, 521-528.	2.5	29
86	State-space models for stochastic and seasonal fluctuations of vole and shrew populations in east-central Illinois. <i>Ecological Modelling</i> , 2007, 207, 189-196.	2.5	10
87	SPATIAL AND TEMPORAL VARIABILITY MODIFY DENSITY DEPENDENCE IN POPULATIONS OF LARGE HERBIVORES. <i>Ecology</i> , 2006, 87, 95-102.	3.2	127
88	Mongolian gerbils and Daurian pikas responded differently to changes in precipitation in the Inner Mongolian grasslands. <i>Journal of Arid Environments</i> , 2006, 66, 648-656.	2.4	18
89	Soil water condition and small mammal spatial distribution in Inner Mongolian steppes, China. <i>Journal of Arid Environments</i> , 2003, 54, 729-737.	2.4	25
90	Spatial overlap between sympatric <i>Microtus brandti</i> (Rodentia, Microtinae) and <i>Ochotona daurica</i> (Lagomorpha, Ochotonidae) in the steppes of inner Mongolia. <i>Mammalia</i> , 2003, 67, .	0.7	8

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91	The role of ungulates and large predators on plant communities and ecosystem processes in western national parks. , 2003, , 444-486.		28
92	EFFECTS OF ADULT SEX RATIOS ON RECRUITMENT OF JUVENILE GRAY-TAILED VOLES, MICROTUS CANICAUDUS. Journal of Mammalogy, 2002, 83, 947-956.	1.3	18
93	Signatures of large-scale and local climates on the demography of white-tailed ptarmigan in Rocky Mountain National Park, Colorado, USA. International Journal of Biometeorology, 2002, 46, 197-201.	3.0	13
94	Title is missing!. Climatic Change, 2002, 54, 205-223.	3.6	31
95	Relationships between climate and population dynamics of white-tailed ptarmigan Lagopus leucurus in Rocky Mountain National Park, Colorado, USA. Climate Research, 2002, 23, 81-87.	1.1	27
96	Species richness " primary productivity relationship of plants and small mammals in the Inner Mongolian steppes, China. Journal of Arid Environments, 2001, 49, 477-484.	2.4	26
97	Demographic uncertainty in ecological risk assessments. Ecological Modelling, 2001, 136, 95-102.	2.5	15
98	Response of American kestrels and gray-tailed voles to vegetation height and supplemental perches. Canadian Journal of Zoology, 2001, 79, 380-385.	1.0	59
99	Response of bobwhite quail and gray-tailed voles to granular and flowable diazinon applications. Environmental Toxicology and Chemistry, 2001, 20, 406-411.	4.3	2
100	RAINFALL AND GUTHION 2S INTERACTIONS AFFECT GRAY-TAILED VOLE DEMOGRAPHY. , 2001, 11, 928-933.		5
101	A Field Test of the Quotient Method for Predicting Risk to Microtus canicaudus in Grasslands. Archives of Environmental Contamination and Toxicology, 1999, 36, 207-212.	4.1	6
102	Gray-tailed voles do not move to avoid exposure to the insecticide Guthion® 2S. Environmental Toxicology and Chemistry, 1999, 18, 1824-1828.	4.3	3
103	The effects of supplemental perch sites on avian predation and demography of vole populations. Canadian Journal of Zoology, 1999, 77, 535-541.	1.0	35
104	Relationship between species richness of small mammals and primary productivity of arid and semi-arid grasslands in north China. Journal of Arid Environments, 1999, 43, 467-475.	2.4	30
105	GRAY-TAILED VOLES DO NOT MOVE TO AVOID EXPOSURE TO THE INSECTICIDE GUTHION® 2S. Environmental Toxicology and Chemistry, 1999, 18, 1824.	4.3	1
106	Assessing long-term dynamics of non-breeding Brown Pelican (<i>Pelecanus occidentalis</i>) populations using Christmas Bird Count data. Ibis, 0, , .	1.9	0