

# Yi Zou

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,309  
citations

394421

19  
h-index

254184

43  
g-index

57  
all docs

57  
docs citations

57  
times ranked

2709  
citing authors

#	ARTICLE	IF	CITATIONS
1	A global synthesis reveals biodiversity-mediated benefits for crop production. <i>Science Advances</i> , 2019, 5, eaax0121.	10.3	524
2	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7863-E7870.	7.1	401
3	Generalizing hierarchical and variation partitioning in multiple regression and canonical analyses using the <i>rdacca.hp</i> R package. <i>Methods in Ecology and Evolution</i> , 2022, 13, 782-788.	5.2	339
4	Meta-analysis reveals that pollinator functional diversity and abundance enhance crop pollination and yield. <i>Nature Communications</i> , 2019, 10, 1481.	12.8	150
5	Vegetation composition promotes carbon and nitrogen storage in model grassland communities of contrasting soil fertility. <i>Journal of Ecology</i> , 2009, 97, 864-875.	4.0	134
6	Elevational species richness gradients in a hyperdiverse insect taxon: a global meta-analysis on geometrid moths. <i>Global Ecology and Biogeography</i> , 2017, 26, 412-424.	5.8	83
7	A Comparison of Terrestrial Arthropod Sampling Methods. <i>Journal of Resources and Ecology</i> , 2012, 3, 174-182.	0.4	67
8	Landscape effects on pollinator communities and pollination services in small-holder agroecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 109-116.	5.3	45
9	Wild pollinators enhance oilseed rape yield in small-holder farming systems in China. <i>BMC Ecology</i> , 2017, 17, 6.	3.0	37
10	Relationships between Plant Diversity and the Abundance and $\beta$ -Diversity of Predatory Ground Beetles (Coleoptera: Carabidae) in a Mature Asian Temperate Forest Ecosystem. <i>PLoS ONE</i> , 2013, 8, e82792.	2.5	35
11	Altitudinal diversity patterns of ground beetles (Coleoptera: Carabidae) in the forests of Changbai Mountain, Northeast China. <i>Insect Conservation and Diversity</i> , 2014, 7, 161-171.	3.0	32
12	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. <i>PLoS ONE</i> , 2020, 15, e0235247.	2.5	27
13	Environmental drivers of grazing effects on arbuscular mycorrhizal fungi in grasslands. <i>Applied Soil Ecology</i> , 2020, 153, 103591.	4.3	25
14	Can landscape level semi-natural habitat compensate for pollinator biodiversity loss due to farmland consolidation?. <i>Agriculture, Ecosystems and Environment</i> , 2021, 319, 107519.	5.3	25
15	Agro-ecology science relates to economic development but not global pesticide pollution. <i>Journal of Environmental Management</i> , 2022, 307, 114529.	7.8	25
16	Biodiversity and yield trade-offs for organic farming. <i>Ecology Letters</i> , 2022, 25, 1699-1710.	6.4	25
17	Diversity patterns of ground beetles and understory vegetation in mature, secondary, and plantation forest regions of temperate northern China. <i>Ecology and Evolution</i> , 2015, 5, 531-542.	1.9	24
18	Video monitoring of brown planthopper predation in rice shows flaws of sentinel methods. <i>Scientific Reports</i> , 2017, 7, 42210.	3.3	24

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19	Ground beetle assemblages in Beijing's new mountain forests. <i>Forest Ecology and Management</i> , 2014, 334, 369-376.	3.2	22
20	Impact of acute oral exposure to thiamethoxam on the homing, flight, learning acquisition and short-term retention of <i>Apis cerana</i> . <i>Pest Management Science</i> , 2019, 75, 2975-2980.	3.4	22
21	Do diverse landscapes provide for effective natural pest control in subtropical rice?. <i>Journal of Applied Ecology</i> , 2020, 57, 170-180.	4.0	21
22	Predictability of species diversity by family diversity across global terrestrial animal taxa. <i>Global Ecology and Biogeography</i> , 2020, 29, 629-644.	5.8	19
23	CropPol: A dynamic, open and global database on crop pollination. <i>Ecology</i> , 2022, 103, e3614.	3.2	19
24	Local environmental, geo-climatic and spatial factors interact to drive community distributions and diversity patterns of stream benthic algae, macroinvertebrates and fishes in a large basin, Northeast China. <i>Ecological Indicators</i> , 2020, 117, 106673.	6.3	18
25	Quantifying pollination efficiency of flower-visiting insects and its application in estimating pollination services for common buckwheat. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107011.	5.3	18
26	The response of grassland mycorrhizal fungal abundance to a range of long-term grazing intensities. <i>Rhizosphere</i> , 2020, 13, 100178.	3.0	17
27	Large-scale diversity patterns in plants and ground beetles (Coleoptera: Carabidae) indicate a high biodiversity conservation value of China's restored temperate forest landscapes. <i>Diversity and Distributions</i> , 2019, 25, 1613-1624.	4.1	15
28	Geometrid moth assemblages reflect high conservation value of naturally regenerated secondary forests in temperate China. <i>Forest Ecology and Management</i> , 2016, 374, 111-118.	3.2	11
29	The Chord-Normalized Expected Species Shared (CNESS) distance represents a superior measure of species turnover patterns. <i>Methods in Ecology and Evolution</i> , 2020, 11, 273-280.	5.2	9
30	High phylogenetic diversity is preserved in species-poor high-elevation temperate moth assemblages. <i>Scientific Reports</i> , 2016, 6, 23045.	3.3	8
31	Resilience of insect assemblages to climate change in mature temperate mountain forests of NE China. <i>Journal of Insect Conservation</i> , 2015, 19, 1163-1172.	1.4	5
32	Modification and Application of a Leaf Blower-vac for Field Sampling of Arthropods. <i>Journal of Visualized Experiments</i> , 2016, .	0.3	5
33	Survival analysis of brown plant hoppers ( <i>Nilaparvata lugens</i> ) in rice using video recordings of predation events. <i>Biological Control</i> , 2018, 127, 155-161.	3.0	5
34	Seasonal variation in the response of arbuscular mycorrhizal fungi to grazing intensity. <i>Mycorrhiza</i> , 2020, 30, 635-646.	2.8	5
35	Effects of farmland consolidation in southern China on wild bee species composition, nesting location and body size variations. <i>Agricultural and Forest Entomology</i> , 2022, 24, 371-379.	1.3	5
36	Meteorological driven factors of population growth in brown planthopper, <i>Nilaparvata lugens</i> (Hemiptera: Delphacidae), in rice paddies. <i>Entomological Research</i> , 2017, 47, 309-317.	1.1	4

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37	Long-term empirical monitoring indicates the tolerance of the giant panda habitat to climate change under contemporary conservation policies. <i>Ecological Indicators</i> , 2020, 110, 105886.	6.3	4
38	Perennial crops can complement semi-natural habitats in enhancing ground beetle (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 7	6.3	4
39	Grazing Intensity Rather than Host Plant's Palatability Shapes the Community of Arbuscular Mycorrhizal Fungi in a Steppe Grassland. <i>Microbial Ecology</i> , 2022, 84, 1062-1071.	2.8	4
40	Diversity and seasonal changes in carabid assemblages of a mature, secondary and plantation forest mosaic in the Zhangguangcai Mountains in northeastern China. <i>Insect Conservation and Diversity</i> , 2020, 13, 340-350.	3.0	3
41	Estimating the number of species shared by incompletely sampled communities. <i>Ecography</i> , 2021, 44, 1098-1108.	4.5	3
42	Comparison between window traps and pan traps in monitoring flower-visiting insects in agricultural fields. <i>Bulletin of Entomological Research</i> , 2022, 112, 691-696.	1.0	3
43	Undergraduates' perceptions on emergency remote learning in ecology in the post-pandemic era. <i>Ecology and Evolution</i> , 2022, 12, e8659.	1.9	2
44	The calculation of $\hat{h}^2$ -diversity for different sample sizes. <i>Biodiversity Science</i> , 2021, 29, 790-797.	0.6	0
45	Editorial: Impacts of Habitat Transformation on Species, Biodiversity and Ecosystems in Asia. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	0
46	New opportunities for biodiversity conservation in rural China?. , 2018, , .		0
47	A new perspective on landscape impact in bee populations: Considering the bee gut microbiome. <i>Biodiversity Science</i> , 2019, 27, 516-525.	0.6	0
48	Outbreak analysis with a logistic growth model shows COVID-19 suppression dynamics in China. , 2020, 15, e0235247.		0
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