

Lei Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

462
citations

933264

10
h-index

794469

19
g-index

33
all docs

33
docs citations

33
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected changes in community size structure in a natural warming experiment. <i>Nature Climate Change</i> , 2017, 7, 659-663.	8.1	70
2	Weighting and indirect effects identify keystone species in food webs. <i>Ecology Letters</i> , 2016, 19, 1032-1040.	3.0	54
3	Phytoplankton Diversity Effects on Community Biomass and Stability along Nutrient Gradients in a Eutrophic Lake. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 95.	1.2	39
4	Synchrony affects Taylor's law in theory and data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6788-6793.	3.3	32
5	Population structure of <i>Betula albosinensis</i> and <i>Betula platyphylla</i> : evidence for hybridization and a cryptic lineage. <i>Annals of Botany</i> , 2019, 123, 1179-1189.	1.4	28
6	Effects of Climate Change on the Potentially Suitable Climatic Geographical Range of <i>Liriodendron chinense</i> . <i>Forests</i> , 2017, 8, 399.	0.9	21
7	Biodiversity effects on resource use efficiency and community turnover of plankton in Lake Nansihu, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11279-11288.	2.7	19
8	The long and the short of it: Mechanisms of synchronous and compensatory dynamics across temporal scales. <i>Ecology</i> , 2022, 103, e3650.	1.5	18
9	Comparison of five methods for parameter estimation under Taylor's power law. <i>Ecological Complexity</i> , 2017, 32, 121-130.	1.4	17
10	A new variance ratio metric to detect the timescale of compensatory dynamics. <i>Ecosphere</i> , 2020, 11, e03114.	1.0	14
11	Simulation of equilibrium system and release behaviors of both oxytetracycline and copper on aerobic granules in a sequencing batch reactor. <i>Biochemical Engineering Journal</i> , 2011, 56, 198-204.	1.8	13
12	Morphological traits of <i>Bryum argenteum</i> and its response to environmental variation in arid and semi-arid areas of Tibet. <i>Ecological Engineering</i> , 2019, 136, 101-107.	1.6	11
13	Stability of food webs to biodiversity loss: Comparing the roles of biomass and node degree. <i>Ecological Indicators</i> , 2016, 67, 723-729.	2.6	10
14	Modelling Biogas Production Kinetics of Various Heavy Metals Exposed Anaerobic Fermentation Process Using Sigmoidal Growth Functions. <i>Waste and Biomass Valorization</i> , 2020, 11, 4837-4848.	1.8	10
15	Micro-scale geography of synchrony in a serpentine plant community. <i>Journal of Ecology</i> , 2021, 109, 750-762.	1.9	10
16	The effects of dispersal on spatial synchrony in metapopulations differ by timescale. <i>Oikos</i> , 2021, 130, 1762-1772.	1.2	10
17	Identifying compartments in ecological networks based on energy channels. <i>Ecology and Evolution</i> , 2018, 8, 309-318.	0.8	9
18	Proximate determinants of Taylor's law slopes. <i>Journal of Animal Ecology</i> , 2019, 88, 484-494.	1.3	9

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19	Responses of Zooplankton Community to Environmental Factors and Phytoplankton Biomass in Lake Nansihu, China. <i>Pakistan Journal of Zoology</i> , 2017, 49, 461-470.	0.1	9
20	Population and Community Body Size Structure Across a Complex Environmental Gradient. <i>Advances in Ecological Research</i> , 2015, , 115-167.	1.4	7
21	Responses of a phytoplankton community to seasonal and environmental changes in Lake Nansihu, China. <i>Marine and Freshwater Research</i> , 2017, 68, 1877.	0.7	7
22	Height-diameter allometric relationships for seedlings and trees across China. <i>Acta Oecologica</i> , 2020, 108, 103621.	0.5	7
23	Effects of Environmental Factors on the Temporal Stability of Phytoplankton Biomass in a Eutrophic Man-Made Lake. <i>Water (Switzerland)</i> , 2016, 8, 582.	1.2	6
24	The Relationship between Phytoplankton Evenness and Copepod Abundance in Lake Nansihu, China. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 855.	1.2	6
25	Plankton Community Stability and Its Relationship with Phytoplankton Species Richness in Lake Nansihu, China. <i>Water (Switzerland)</i> , 2016, 8, 454.	1.2	6
26	Influence of the physical dimension of leaf size measures on the goodness of fit for Taylor's power law using 101 bamboo taxa. <i>Global Ecology and Conservation</i> , 2019, 19, e00657.	1.0	6
27	Keystone species can be identified based on motif centrality. <i>Ecological Indicators</i> , 2020, 110, 105877.	2.6	6
28	Impact of industrialization on China's regional energy security in the New Era. <i>Environment, Development and Sustainability</i> , 2022, 24, 8418-8440.	2.7	5
29	Relationships between phosphorus fractionations in sediments and phosphorus in overlying water in a constructed wetland: impact of macrophytes. , 0, 84, 180-189.		2
30	Viewing the effects of species loss in complex ecological networks. <i>Mathematical Biosciences</i> , 2017, 285, 55-60.	0.9	1
31	Fragility of Chaos in Multispecies Competition Influenced by Predation. , 2010, , .		0
32	Employing dynamic model to study food web stability and possible regime shifts in Somme Bay. <i>Ecological Indicators</i> , 2021, 127, 107721.	2.6	0