

Zhigang Mao

List of Publications by Year in descending order

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33
papers

651
citations

567281

15
h-index

610901

24
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33
all docs

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docs citations

33
times ranked

766
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution, fate and risk assessment of PAHs in water and sediments from an aquaculture- and shipping-impacted subtropical lake, China. <i>Chemosphere</i> , 2018, 201, 612-620.	8.2	79
2	Molecular characterization and expression analysis of five chitinases associated with molting in the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2015, 187, 110-120.	1.6	50
3	The Role of Top-Down and Bottom-Up Control for Phytoplankton in a Subtropical Shallow Eutrophic Lake: Evidence Based on Long-Term Monitoring and Modeling. <i>Ecosystems</i> , 2020, 23, 1449-1463.	3.4	39
4	The impact of Chinese mitten crab culture on water quality, sediment and the pelagic and macrobenthic community in the reclamation area of Guchenghu Lake. <i>Fisheries Science</i> , 2013, 79, 689-697.	1.6	34
5	Food web structure of a shallow eutrophic lake (Lake Taihu, China) assessed by stable isotope analysis. <i>Hydrobiologia</i> , 2012, 683, 173-183.	2.0	30
6	Carbamazepine disrupts molting hormone signaling and inhibits molting and growth of <i>Eriocheir sinensis</i> at environmentally relevant concentrations. <i>Aquatic Toxicology</i> , 2019, 208, 138-145.	4.0	30
7	Acute and Chronic Toxicity of Carbamazepine on the Release of Chitinase, Molting, and Reproduction in <i>Daphnia similis</i> . <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 209.	2.6	28
8	Molecular and behavioral responses of zebrafish embryos/larvae after sertraline exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111700.	6.0	26
9	Rapid expansion of coastal aquaculture ponds in Southeast Asia: Patterns, drivers and impacts. <i>Journal of Environmental Management</i> , 2022, 315, 115100.	7.8	26
10	Co-occurrence of multiple cyanotoxins and taste-and-odor compounds in the large eutrophic Lake Taihu, China: Dynamics, driving factors, and challenges for risk assessment. <i>Environmental Pollution</i> , 2022, 294, 118594.	7.5	24
11	Occurrence and distribution of antibiotics in surface water impacted by crab culturing: a case study of Lake Guchenghu, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22619-22628.	5.3	23
12	Combining bivalve (<i>Corbicula fluminea</i>) and filter-feeding fish (<i>Aristichthys nobilis</i>) enhances the bioremediation effect of algae: An outdoor mesocosm study. <i>Science of the Total Environment</i> , 2020, 727, 138692.	8.0	21
13	Pelagic energy flow supports the food web of a shallow lake following a dramatic regime shift driven by water level changes. <i>Science of the Total Environment</i> , 2021, 756, 143642.	8.0	21
14	Food sources and trophic relationships of three decapod crustaceans: insights from gut contents and stable isotope analyses. <i>Aquaculture Research</i> , 2016, 47, 2888-2898.	1.8	19
15	Evaluating the influences of harvesting activity and eutrophication on loss of aquatic vegetations in Taihu Lake, China. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 87, 102038.	2.8	18
16	Silver carp (<i>Hypophthalmichthys molitrix</i>) stocking promotes phytoplankton growth by suppression of zooplankton rather than through nutrient recycling: An outdoor mesocosm study. <i>Freshwater Biology</i> , 2021, 66, 1074-1088.	2.4	18
17	Comparative toxicological effects of planktonic <i>Microcystis</i> and benthic <i>Oscillatoria</i> on zebrafish embryonic development: Implications for cyanobacteria risk assessment. <i>Environmental Pollution</i> , 2021, 274, 115852.	7.5	17
18	Contrasting response of a plankton community to two filter-feeding fish and their feces: An in situ enclosure experiment. <i>Aquaculture</i> , 2016, 465, 330-340.	3.5	15

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19	In situ growth and photosynthetic activity of Cyanobacteria and phytoplankton dynamics after passage through the gut of silver carp (<i>Hypophthalmichthys molitrix</i>), bighead carp (<i>Aristichthys</i>)	1.0	10
20	Mapping Long-Term Spatiotemporal Dynamics of Pen Aquaculture in a Shallow Lake: Less Aquaculture Coming along Better Water Quality. <i>Remote Sensing</i> , 2020, 12, 1866.	4.0	14
21	How does fish functional diversity respond to environmental changes in two large shallow lakes?. <i>Science of the Total Environment</i> , 2021, 753, 142158.	8.0	13
22	Environmentally relevant concentrations of sertraline disrupts behavior and the brain and liver transcriptome of juvenile yellow catfish (<i>Tachysurus fulvidraco</i>): Implications for the feeding and growth axis. <i>Journal of Hazardous Materials</i> , 2021, 409, 124974.	12.4	13
23	Seasonal and spatial variations of the food web structure in a shallow eutrophic lake assessed by stable isotope analysis. <i>Fisheries Science</i> , 2014, 80, 1045-1056.	1.6	12
24	Production sources and food web of a macrophyte-dominated region in Lake Taihu, based on gut contents and stable isotope analyses. <i>Journal of Great Lakes Research</i> , 2014, 40, 656-665.	1.9	12
25	Cannibalism and Habitat Selection of Cultured Chinese Mitten Crab: Effects of Submerged Aquatic Vegetation with Different Nutritional and Refuge Values. <i>Water (Switzerland)</i> , 2018, 10, 1542.	2.7	11
26	Carbon sources and trophic structure in a macrophyte-dominated polyculture pond assessed by stable isotope analysis. <i>Freshwater Biology</i> , 2016, 61, 1862-1873.	2.4	10
27	Fate of ¹⁵ N-enriched cyanobacteria feed for planktivorous fish in an enclosure experiment: a stable isotope tracer study. <i>Fisheries Science</i> , 2015, 81, 821-830.	1.6	8
28	Antibiotics in Crab Ponds of Lake Guchenghu Basin, China: Occurrence, Temporal Variations, and Ecological Risks. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 548.	2.6	7
29	Farming practices affect the amino acid profiles of the aquaculture Chinese mitten crab. <i>PeerJ</i> , 2021, 9, e11605.	2.0	6
30	Characterization of the GABAergic system in Asian clam <i>Corbicula fluminea</i> : Phylogenetic analysis, tissue distribution, and response to the aquatic contaminant carbamazepine. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 239, 108896.	2.6	5
31	Dynamics of Cyanobacteria and Related Environmental Drivers in Freshwater Bodies Affected by Mitten Crab Culturing: A Study of Lake Guchenghu, China. <i>Water (Switzerland)</i> , 2019, 11, 2468.	2.7	4
32	Ecological interaction between cyanobacterial blooms and freshwater fish. <i>Chinese Science Bulletin</i> , 2021, 66, 2649-2662.	0.7	3
33	Nitrogen stable isotope variability in tissues of juvenile tilapia (<i>Oreochromis aureus</i>): empirical and modelling results. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2116-2122.	1.5	1