

Zhi Wang

List of Publications by Year in descending order

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51
papers

1,922
citations

236925

25
h-index

265206

42
g-index

53
all docs

53
docs citations

53
times ranked

1670
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on removing antibiotics and antibiotic resistance genes from wastewater by constructed wetlands: Performance and microbial response. <i>Environmental Pollution</i> , 2019, 254, 112996.	7.5	198
2	Occurrence and ecological hazard assessment of selected antibiotics in the surface waters in and around Lake Honghu, China. <i>Science of the Total Environment</i> , 2017, 609, 1423-1432.	8.0	183
3	Distribution of antibiotic resistance genes in an agriculturally disturbed lake in China: Their links with microbial communities, antibiotics, and water quality. <i>Journal of Hazardous Materials</i> , 2020, 393, 122426.	12.4	154
4	Degradation difference of ofloxacin and levofloxacin by UV/H ₂ O ₂ and UV/PS (persulfate): Efficiency, factors and mechanism. <i>Chemical Engineering Journal</i> , 2020, 385, 123987.	12.7	122
5	Mechanisms and Factors Affecting Sorption of Microcystins onto Natural Sediments. <i>Environmental Science & Technology</i> , 2011, 45, 2641-2647.	10.0	94
6	Occurrence of antibiotics and antibiotic resistance genes and their correlations in lower Yangtze River, China. <i>Environmental Pollution</i> , 2020, 257, 113365.	7.5	91
7	Large-scale utilization of water hyacinth for nutrient removal in Lake Dianchi in China: The effects on the water quality, macrozoobenthos and zooplankton. <i>Chemosphere</i> , 2012, 89, 1255-1261.	8.2	86
8	Adsorption and biodegradation of sulfamethoxazole and ofloxacin on zeolite: Influence of particle diameter and redox potential. <i>Chemical Engineering Journal</i> , 2020, 384, 123346.	12.7	59
9	Antibiotic and antibiotic resistance genes in freshwater aquaculture ponds in China: A meta-analysis and assessment. <i>Journal of Cleaner Production</i> , 2021, 329, 129719.	9.3	54
10	Nitrogen removal from Lake Caohai, a typical ultra-eutrophic lake in China with large scale confined growth of <i>Eichhornia crassipes</i> . <i>Chemosphere</i> , 2013, 92, 177-183.	8.2	52
11	Degradation of nitrilotris-methylenephosphonic acid (NTMP) antiscalant via persulfate photolysis: Implications on desalination concentrate treatment. <i>Water Research</i> , 2019, 159, 30-37.	11.3	50
12	Comparison and Interpretation of Taxonomical Structure of Bacterial Communities in Two Types of Lakes on Yun-Gui plateau of China. <i>Scientific Reports</i> , 2016, 6, 30616.	3.3	45
13	Bioaccumulation of microcystins in two freshwater gastropods from a cyanobacteria-bloom plateau lake, Lake Dianchi. <i>Environmental Pollution</i> , 2012, 164, 227-234.	7.5	44
14	Profiles of antibiotic resistance genes in an inland salt-lake Ebinur Lake, Xinjiang, China: The relationship with antibiotics, environmental factors, and microbial communities. <i>Ecotoxicology and Environmental Safety</i> , 2021, 221, 112427.	6.0	41
15	Evaluating ecological health in the middle-lower reaches of the Hanjiang River with cascade reservoirs using the Planktonic index of biotic integrity (P-IBI). <i>Ecological Indicators</i> , 2020, 114, 106282.	6.3	40
16	Combined toxic effects and mechanisms of microcystin-LR and copper on <i>Vallisneria Natans</i> (Lour.) Hara seedlings. <i>Journal of Hazardous Materials</i> , 2017, 328, 108-116.	12.4	38
17	Analysis of nutrient transport and ecological response in Honghu Lake, China by using a mathematical model. <i>Science of the Total Environment</i> , 2017, 575, 418-428.	8.0	37
18	Responses and toxin bioaccumulation in duckweed (<i>Lemna minor</i>) under microcystin-LR, linear alkylbenzene sulfonate and their joint stress. <i>Journal of Hazardous Materials</i> , 2012, 229-230, 137-144.	12.4	34

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19	Comparative analysis of thermal oxidative decomposition and fire characteristics for different straw powders via thermogravimetry and cone calorimetry. <i>Chemical Engineering Research and Design</i> , 2020, 134, 121-130.	5.6	32
20	Agricultural Risk Factors Influence Microbial Ecology in Honghu Lake. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 76-90.	6.9	31
21	Antibiotic resistome in a large urban-lake drinking water source in middle China: Dissemination mechanisms and risk assessment. <i>Journal of Hazardous Materials</i> , 2022, 424, 127745.	12.4	31
22	Inconsistent seasonal variation of antibiotics between surface water and groundwater in the Jiangnan Plain: Risks and linkage to land uses. <i>Journal of Environmental Sciences</i> , 2021, 109, 102-113.	6.1	30
23	Effects of microcystin-LR, linear alkylbenzene sulfonate and their mixture on lettuce (<i>Lactuca sativa</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 2.4 29	10.7	29
24	Impact of land use on shallow groundwater quality characteristics associated with human health risks in a typical agricultural area in Central China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1712-1724.	5.3	28
25	Linkage and driving mechanisms of antibiotic resistome in surface and ground water: Their responses to land use and seasonal variation. <i>Water Research</i> , 2022, 215, 118279.	11.3	28
26	Synergistic toxicity of microcystin-LR and Cu to zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2020, 713, 136393.	8.0	26
27	Kinetic study of the 2â€methylâ€3â€methoxyâ€4â€phenylbutanoic acid produced by oxidation of microcystin in aqueous solutions. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2019-2026.	4.3	24
28	Rapid quantification of total microcystins in cyanobacterial samples by periodate-permanganate oxidation and reversed-phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2009, 651, 241-247.	5.4	23
29	Is rice-crayfish co-culture a better aquaculture model: From the perspective of antibiotic resistome profiles. <i>Environmental Pollution</i> , 2022, 292, 118450.	7.5	21
30	Effects of inorganic arsenic on growth and microcystin production of a <i>Microcystis</i> strain isolated from an algal bloom in Dianchi Lake, China. <i>Science Bulletin</i> , 2011, 56, 2337-2342.	1.7	20
31	Oxidative stress responses and toxin accumulation in the freshwater snail <i>Radix swinhoei</i> (Gastropoda, Pulmonata) exposed to microcystin-LR. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1353-1361.	5.3	20
32	Phosphorus removal from the hyper-eutrophic Lake Caohai (China) with large-scale water hyacinth cultivation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12975-12984.	5.3	20
33	Linear alkylbenzene sulfonate (LAS) in water of Lake Dianchiâ€™ spatial and seasonal variation, and kinetics of biodegradation. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 501-512.	2.7	19
34	Microcystin pollution in lakes and reservoirs: A nationwide meta-analysis and assessment in China. <i>Environmental Pollution</i> , 2022, 309, 119791.	7.5	16
35	Effects of linear alkylbenzene sulfonate on the growth and toxin production of <i>Microcystis aeruginosa</i> isolated from Lake Dianchi. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5491-5499.	5.3	12
36	Growth of <i>Potamogeton crispus</i> L. from turions in darkness: Implications for restoring submerged plants in eutrophic lakes. <i>Ecological Engineering</i> , 2017, 101, 255-260.	3.6	11

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37	Regime shift in Lake Dianchi (China) during the last 50 years. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1075-1090.	1.3	11
38	The Role of Fluids in the 2008 Ms8.0 Wenchuan Earthquake, China. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB019959.	3.4	9
39	High biodiversity and distinct assembly patterns of microbial communities in groundwater compared with surface water. <i>Science of the Total Environment</i> , 2022, 834, 155345.	8.0	9
40	Sustainability of the rice-crayfish co-culture aquaculture model: microbiome profiles based on multi-kingdom analyses. <i>Environmental Microbiomes</i> , 2022, 17, .	5.0	7
41	Effects of engineered application of <i>Eichhornia crassipes</i> on the benthic macroinvertebrate diversity in Lake Dianchi, an ultra-eutrophic lake in China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8388-8397.	5.3	6
42	Control of Cyanobacterial Blooms via Synergistic Effects of Pulmonates and Submerged Plants. <i>Clean - Soil, Air, Water</i> , 2015, 43, 330-335.	1.1	5
43	Impact of land use on surface water quality: a case study of active agriculturally disturbed basin in China. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4435-4446.	3.5	5
44	Histological and chemical damage induced by microcystin-LR and microcystin-RR on land snail <i>Helix aspersa</i> tissues after acute exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 245, 109031.	2.6	5
45	Utilizing Metagenomic Data and Bioinformatic Tools for Elucidating Antibiotic Resistance Genes in Environment. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	5
46	Determining the primary sources of groundwater bacterial communities in a large-scale plain area: Microbial source tracking and interpretation for different land use patterns. <i>Agriculture, Ecosystems and Environment</i> , 2022, 338, 108092.	5.3	5
47	RESIDUE LEVELS AND DISTRIBUTION FEATURES OF MICROCYSTINS IN FISH SAMPLES FROM LAKE DIANCHI. <i>Acta Hydrobiologica Sinica</i> , 2010, 36, 388-393.	0.1	4
48	Heavy Metal Distribution and Bioaccumulation Combined With Ecological and Human Health Risk Evaluation in a Typical Urban Plateau Lake, Southwest China. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	3
49	Effects of microcystin-producing and non-microcystin-producing <i>Microcystis</i> on the behavior and life history traits of <i>Chironomus pallidivittatus</i> . <i>Environmental Pollution</i> , 2021, 287, 117613.	7.5	2
50	Bioremediation of Eutrophic Water by the Controlled Cultivation of Water Hyacinths. , 2016, , .		1
51	Editorial: Antibiotics and Antibiotic Resistance Genes in Waters: Pollution, Risks, and Control. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	0