Zhiquan Liu

List of Publications by Year
in descending order

32 papers	1,033 citations	567144 15 h-index	414303 32 g-index
32 all docs	32 docs citations	32 times ranked	1334 citing authors

#	Article	IF	Citations
1	Ultrathin two-dimensional BiOBrxI1-x solid solution with rich oxygen vacancies for enhanced visible-light-driven photoactivity in environmental remediation. Applied Catalysis B: Environmental, 2018, 236, 222-232.	10.8	183
2	Iron sludge-derived magnetic Fe0/Fe3C catalyst for oxidation of ciprofloxacin via peroxymonosulfate activation. Chemical Engineering Journal, 2019, 365, 99-110.	6.6	165
3	Breathable and asymmetrically superwettable Janus membrane with robust oil-fouling resistance for durable membrane distillation. Journal of Membrane Science, 2018, 563, 602-609.	4.1	137
4	Activation of peroxymonosulfate by magnetic Co-Fe/SiO2 layered catalyst derived from iron sludge for ciprofloxacin degradation. Chemical Engineering Journal, 2020, 384, 123298.	6.6	94
5	Oxygen vacancy-rich ultrathin sulfur-doped bismuth oxybromide nanosheet as a highly efficient visible-light responsive photocatalyst for environmental remediation. Chemical Engineering Journal, 2019, 360, 838-847.	6.6	79
6	Layer-by-layer assembly of high negatively charged polycarbonate membranes with robust antifouling property for microalgae harvesting. Journal of Membrane Science, 2020, 595, 117488.	4.1	42
7	The impact of recycling alum-humic-floc (AHF) on the removal of natural organic materials (NOM): Behavior of coagulation and adsorption. Chemical Engineering Journal, 2016, 284, 1049-1057.	6.6	32
8	Effect of filter-feeding fish silver carp on phytoplankton species and size distribution in surface water: A field study in water works. Journal of Environmental Sciences, 2010, 22, 161-167.	3.2	31
9	Nanostructured palladium/polypyrrole composite paper for enhanced catalytic hydrogen generation from ammonia borane. International Journal of Hydrogen Energy, 2016, 41, 8470-8478.	3.8	30
10	Transport, fate, and long-term impacts of metal oxide nanoparticles on the stability of an anaerobic methanogenic system with anaerobic granular sludge. Bioresource Technology, 2017, 234, 448-455.	4.8	28
11	Optimization of the Determination Method for Dissolved Cyanobacterial Toxin BMAA in Natural Water. Analytical Chemistry, 2017, 89, 10991-10998.	3.2	23
12	The transformation mechanism of nitrobenzene in the present of a species of cyanobacteria Microcystis aeruginosa. Chemosphere, 2014, 95, 234-240.	4.2	19
13	The role of nitrobenzene on the yield of trihalomethane formation potential in aqueous solutions with Microcystis aeruginosa. Water Research, 2011, 45, 6489-6495.	5.3	16
14	Bio-reaction of nitrobenzene with Microcystis aeruginosa: Characteristics, kinetics and application. Water Research, 2012, 46, 2290-2298.	5.3	16
15	Pilot study on control of phytoplankton by zooplankton coupling with filter-feeding fish in surface water. Water Science and Technology, 2009, 60, 737-743.	1.2	15
16	Impact factors on the production of Î²-methylamino-L-alanine (BMAA) by cyanobacteria. Chemosphere, 2020, 243, 125355.	4.2	15
17	Interfacial catalytic oxidation for membrane fouling mitigation during algae-laden water filtration: Higher efficiency without algae integrity loss. Separation and Purification Technology, 2020, 251, 117366.	3.9	13
18	Degradation of neurotoxin Î²-N-methylamino-L-alanine by UV254 activated persulfate: Kinetic model and reaction pathways. Chemical Engineering Journal, 2021, 404, 127041.	6.6	13

#	Article	IF	Citations
19	Efficient control of Microcystis blooms by promoting biological filter-feeding in raw water. Ecological Engineering, 2012, 47, 71-75.	1.6	11
20	Formation kinetics of disinfection byproducts in algal-laden water during chlorination: A new insight into evaluating disinfection formation risk. Environmental Pollution, 2019, 245, 63-70.	3.7	11
21	Degradation mechanisms of cyanobacteria neurotoxin Î²-N-methylamino-l-alanine (BMAA) during UV254/H2O2 process: Kinetics and pathways. Chemosphere, 2022, 302, 134939.	4.2	10
22	Evaluation of drinking water treatment combined filter backwash water recycling technology based on comet and micronucleus assay. Journal of Environmental Sciences, 2016, 42, 61-70.	3.2	9
23	Air bubbling for membrane fouling control in a submerged direct forward osmosis system for municipal wastewater treatment. Environmental Science: Water Research and Technology, 2019, 5, 684-692.	1.2	7
24	Emerging investigator series: engineering membrane distillation with nanofabrication: design, performance and mechanisms. Environmental Science: Water Research and Technology, 2020, 6, 1786-1793.	1.2	7
25	The interaction between nitrobenzene and Microcystis aeruginosa and its potential to impact water quality. Chemosphere, 2013, 92, 1201-1206.	4.2	6
26	Does the recycling of waste streams from drinking water treatment plants worsen the quality of finished water? A case assessment in China. Water Science and Technology: Water Supply, 2017, 17, 597-605.	1.0	6
27	Pre-treating algae-laden raw water by silver carp during Microcystis-dominated and non-Microcystis-dominated periods. Water Science and Technology, 2012, 65, 1448-1453.	1.2	4
28	Effects of the interaction between Microcystis aeruginosa and nitrobenzene on coagulation-sedimentation performance. Journal of Water Supply: Research and Technology - AQUA, 2014, 63, 58-65.	0.6	4
29	Effects and mechanism on the removal of neurotoxin Î²-N-methylamino-l-alanine (BMAA) by chlorination. Science of the Total Environment, 2020, 703, 135513.	3.9	3
30	Investigation on the fate of quinolone antibiotics in three drinking water treatment plants of China. Water Science and Technology: Water Supply, 2022, 22, 170-180.	1.0	2
31	Removal of bromate from water using modified activated carbon. Water Science and Technology: Water Supply, 2012, 12, 398-405.	1.0	1
32	Reproduction ofStaurastrumsp. within a water treatment plant caused by the recycle of combined sludge water and backwash water: a field investigation. Desalination and Water Treatment, 2016, 57, 8217-8227.	1.0	1