

Zhiquan Liu

List of Publications by Year in descending order

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papers

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citations

567144

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32
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1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the fate of quinolone antibiotics in three drinking water treatment plants of China. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 170-180.	1.0	2
2	Degradation mechanisms of cyanobacteria neurotoxin \hat{I}^2 -N-methylamino-L-alanine (BMAA) during UV254/H ₂ O ₂ process: Kinetics and pathways. <i>Chemosphere</i> , 2022, 302, 134939.	4.2	10
3	Degradation of neurotoxin \hat{I}^2 -N-methylamino-L-alanine by UV254 activated persulfate: Kinetic model and reaction pathways. <i>Chemical Engineering Journal</i> , 2021, 404, 127041.	6.6	13
4	Layer-by-layer assembly of high negatively charged polycarbonate membranes with robust antifouling property for microalgae harvesting. <i>Journal of Membrane Science</i> , 2020, 595, 117488.	4.1	42
5	Impact factors on the production of \hat{I}^2 -methylamino-L-alanine (BMAA) by cyanobacteria. <i>Chemosphere</i> , 2020, 243, 125355.	4.2	15
6	Activation of peroxymonosulfate by magnetic Co-Fe/SiO ₂ layered catalyst derived from iron sludge for ciprofloxacin degradation. <i>Chemical Engineering Journal</i> , 2020, 384, 123298.	6.6	94
7	Effects and mechanism on the removal of neurotoxin \hat{I}^2 -N-methylamino-L-alanine (BMAA) by chlorination. <i>Science of the Total Environment</i> , 2020, 703, 135513.	3.9	3
8	Interfacial catalytic oxidation for membrane fouling mitigation during algae-laden water filtration: Higher efficiency without algae integrity loss. <i>Separation and Purification Technology</i> , 2020, 251, 117366.	3.9	13
9	Emerging investigator series: engineering membrane distillation with nanofabrication: design, performance and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1786-1793.	1.2	7
10	Air bubbling for membrane fouling control in a submerged direct forward osmosis system for municipal wastewater treatment. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 684-692.	1.2	7
11	Iron sludge-derived magnetic Fe ₀ /Fe ₃ C catalyst for oxidation of ciprofloxacin via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2019, 365, 99-110.	6.6	165
12	Formation kinetics of disinfection byproducts in algal-laden water during chlorination: A new insight into evaluating disinfection formation risk. <i>Environmental Pollution</i> , 2019, 245, 63-70.	3.7	11
13	Oxygen vacancy-rich ultrathin sulfur-doped bismuth oxybromide nanosheet as a highly efficient visible-light responsive photocatalyst for environmental remediation. <i>Chemical Engineering Journal</i> , 2019, 360, 838-847.	6.6	79
14	Breathable and asymmetrically superwetttable Janus membrane with robust oil-fouling resistance for durable membrane distillation. <i>Journal of Membrane Science</i> , 2018, 563, 602-609.	4.1	137
15	Ultrathin two-dimensional BiOBr _x 1-x solid solution with rich oxygen vacancies for enhanced visible-light-driven photoactivity in environmental remediation. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 222-232.	10.8	183
16	Does the recycling of waste streams from drinking water treatment plants worsen the quality of finished water? A case assessment in China. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 597-605.	1.0	6
17	Transport, fate, and long-term impacts of metal oxide nanoparticles on the stability of an anaerobic methanogenic system with anaerobic granular sludge. <i>Bioresource Technology</i> , 2017, 234, 448-455.	4.8	28
18	Optimization of the Determination Method for Dissolved Cyanobacterial Toxin BMAA in Natural Water. <i>Analytical Chemistry</i> , 2017, 89, 10991-10998.	3.2	23

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19	Nanostructured palladium/polypyrrole composite paper for enhanced catalytic hydrogen generation from ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8470-8478.	3.8	30
20	Reproduction of <i>Staurastrum</i> sp. within a water treatment plant caused by the recycle of combined sludge water and backwash water: a field investigation. <i>Desalination and Water Treatment</i> , 2016, 57, 8217-8227.	1.0	1
21	The impact of recycling alum-humic-floc (AHF) on the removal of natural organic materials (NOM): Behavior of coagulation and adsorption. <i>Chemical Engineering Journal</i> , 2016, 284, 1049-1057.	6.6	32
22	Evaluation of drinking water treatment combined filter backwash water recycling technology based on comet and micronucleus assay. <i>Journal of Environmental Sciences</i> , 2016, 42, 61-70.	3.2	9
23	Effects of the interaction between <i>Microcystis aeruginosa</i> and nitrobenzene on coagulation-sedimentation performance. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2014, 63, 58-65.	0.6	4
24	The transformation mechanism of nitrobenzene in the present of a species of cyanobacteria <i>Microcystis aeruginosa</i> . <i>Chemosphere</i> , 2014, 95, 234-240.	4.2	19
25	The interaction between nitrobenzene and <i>Microcystis aeruginosa</i> and its potential to impact water quality. <i>Chemosphere</i> , 2013, 92, 1201-1206.	4.2	6
26	Pre-treating algae-laden raw water by silver carp during <i>Microcystis</i> -dominated and non- <i>Microcystis</i> -dominated periods. <i>Water Science and Technology</i> , 2012, 65, 1448-1453.	1.2	4
27	Removal of bromate from water using modified activated carbon. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 398-405.	1.0	1
28	Bio-reaction of nitrobenzene with <i>Microcystis aeruginosa</i> : Characteristics, kinetics and application. <i>Water Research</i> , 2012, 46, 2290-2298.	5.3	16
29	Efficient control of <i>Microcystis</i> blooms by promoting biological filter-feeding in raw water. <i>Ecological Engineering</i> , 2012, 47, 71-75.	1.6	11
30	The role of nitrobenzene on the yield of trihalomethane formation potential in aqueous solutions with <i>Microcystis aeruginosa</i> . <i>Water Research</i> , 2011, 45, 6489-6495.	5.3	16
31	Effect of filter-feeding fish silver carp on phytoplankton species and size distribution in surface water: A field study in water works. <i>Journal of Environmental Sciences</i> , 2010, 22, 161-167.	3.2	31
32	Pilot study on control of phytoplankton by zooplankton coupling with filter-feeding fish in surface water. <i>Water Science and Technology</i> , 2009, 60, 737-743.	1.2	15