

Shiyang Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

398
citations

933447

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docs citations

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times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	An integrated recirculating aquaculture system (RAS) for land-based fish farming: The effects on water quality and fish production. <i>Aquacultural Engineering</i> , 2011, 45, 93-102.	3.1	98
2	Effects of sediment dredging on water quality and zooplankton community structure in a shallow of eutrophic lake. <i>Journal of Environmental Sciences</i> , 2010, 22, 218-224.	6.1	73
3	Homogenous stands of a wetland grass living in heavy metal polluted wetlands harbor diverse consortia of arbuscular mycorrhizal fungi. <i>Chemosphere</i> , 2017, 181, 699-709.	8.2	35
4	Co-N-C@SiO ₂ core@shell architectures enhanced stability to activate peroxymonosulfate (PMS) for efficient sulfamethoxazole degradation. <i>Separation and Purification Technology</i> , 2022, 280, 119783.	7.9	28
5	Influence mechanism of filling ratio on solid-phase denitrification with polycaprolactone as biofilm carrier. <i>Bioresource Technology</i> , 2021, 337, 125401.	9.6	25
6	Nitrogen removal by modified zeolites coated with Zn-layered double hydroxides (Zn-LDHs) prepared at different molar ratios. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 73-82.	5.3	22
7	Comparative evaluation of influencing factors on aquaculture wastewater treatment by various constructed wetlands. <i>Ecological Engineering</i> , 2016, 93, 221-225.	3.6	17
8	Impact of different running conditions on performance of biofilters treating secondary effluent during start-up. <i>Bioresource Technology</i> , 2019, 281, 168-178.	9.6	15
9	Effects of deoxygenation pretreatment and dissolved oxygen adjustment on performance of double-layer-packed sequencing biofilm batch reactor treating secondary effluent under low temperature. <i>Journal of Cleaner Production</i> , 2020, 258, 120650.	9.3	13
10	Microbial explanation to performance stratification along up-flow solid-phase denitrification column packed with polycaprolactone. <i>Bioresource Technology</i> , 2022, 343, 126066.	9.6	12
11	Multiple linear modeling of outflow nitrogen dynamics in vertical-flow constructed wetlands under two different operating states. <i>Ecological Engineering</i> , 2015, 81, 53-61.	3.6	9
12	The enzymes-based intermediary model explains the influence mechanism of different aeration strategies on nitrogen removal in a sequencing batch biofilm reactor treating simulated aquaculture wastewater. <i>Journal of Cleaner Production</i> , 2022, 356, 131835.	9.3	9
13	Metagenomic insights into the explanation of biofilter performance distinction induced by dissolved oxygen increment. <i>Chemical Engineering Research and Design</i> , 2021, 153, 329-338.	5.6	8
14	Improvement of degradation of Orange G in aqueous solution by Fe ²⁺ added in dielectric barrier discharge plasma system. <i>Journal of Water Process Engineering</i> , 2022, 47, 102707.	5.6	6
15	Effect of filling ratio and backwash on performance of a continuous-flow SPD reactor packed with PCL as carbon source. <i>Water Environment Research</i> , 2021, 93, 1381-1390.	2.7	5
16	Nitrate Removal from Groundwater by Heterotrophic and Electro-Autotrophic Denitrification. <i>Water (Switzerland)</i> , 2022, 14, 1759.	2.7	5
17	Temperature-induced difference in microbial characterizations accounts for the fluctuation of sequencing batch biofilm reactor performance. <i>Biodegradation</i> , 2021, 32, 595-610.	3.0	4
18	Response and environmental assessment of two Chinese conventional carps to water quality regulation in recirculating aquaculture. <i>Aquacultural Engineering</i> , 2016, 74, 180-185.	3.1	3

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19	Evaluation of functional microbes in explaining biofilter performance during start-up1. Journal of Cleaner Production, 2020, 277, 123503.	9.3	3
20	Removal of N,N-dimethylformamide by dielectric barrier discharge plasma combine with manganese activated carbon. Environmental Science and Pollution Research, 2021, 28, 41698-41711.	5.3	3
21	Response of simultaneous nitrification-denitrification to DO increments in continuously aerated biofilm reactors for aquaculture wastewater treatment. Water Practice and Technology, 0, , .	2.0	2
22	The intrinsic relevance of nitrogen removal pathway to varying nitrate loading rate in a polycaprolactone-supported denitrification system. Biodegradation, 2022, 33, 317-331.	3.0	2
23	Effects of Different Shunt Rate on the Purification of Hybrid Constructed Wetland. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	1
24	Metagenomic insights into microbial characterizations in explaining the distinction of biofilter performance during start-up. Biodegradation, 2020, 31, 183-199.	3.0	0