

Zheng Xue

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

545
citations

840776

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1281871

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12
all docs

12
docs citations

12
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Roles of Extracellular Polymeric Substances on Resistance of Biofilm and Detached Clusters. Environmental Science & Technology, 2012, 46, 13212-13219.	10.0	130
2	The influence of capsular extracellular polymeric substances on the interaction between TiO ₂ nanoparticles and planktonic bacteria. Water Research, 2012, 46, 4687-4696.	11.3	75
3	<i>Pseudomonas aeruginosa</i> inactivation mechanism is affected by capsular extracellular polymeric substances reactivity with chlorine and monochloramine. FEMS Microbiology Ecology, 2013, 83, 101-111.	2.7	75
4	The role of extracellular polymeric substances on the sorption of natural organic matter. Water Research, 2012, 46, 1052-1060.	11.3	72
5	Selective Reactivity of Monochloramine with Extracellular Matrix Components Affects the Disinfection of Biofilm and Detached Clusters. Environmental Science & Technology, 2014, 48, 3832-3839.	10.0	51
6	Membrane biofouling in a wastewater nitrification reactor: Microbial succession from autotrophic colonization to heterotrophic domination. Water Research, 2016, 88, 337-345.	11.3	47
7	The influence of biofilm structure and total interaction energy on <i>Escherichia coli</i> retention by <i>Pseudomonas aeruginosa</i> biofilm. Biofouling, 2012, 28, 1119-1128.	2.2	25
8	Effects of Extracellular Polymeric Substance Composition on Bacteria Disinfection by Monochloramine: Application of MALDI-TOF/TOF-MS and Multivariate Analysis. Environmental Science & Technology, 2016, 50, 9197-9205.	10.0	21
9	The role of biofilms on the formation and decay of disinfection by-products in chlor(am)inated water distribution systems. Science of the Total Environment, 2021, 753, 141606.	8.0	20
10	Impact of Chlorine Disinfection on Redistribution of Cell Clusters from Biofilms. Environmental Science & Technology, 2013, 47, 130110105143004.	10.0	16
11	Membrane biofouling characterization: effects of sample preparation procedures on biofilm structure and the microbial community. Biofouling, 2014, 30, 813-821.	2.2	13
12	The Influence of Extracellular Polymeric Substance Composition on Bacteria Disinfection By Monochloramine. Proceedings of the Water Environment Federation, 2013, 2013, 165-171.	0.0	0