

Pengfei Ren

List of Publications by Year in descending order

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27
papers

598
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759055

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#	ARTICLE	IF	CITATIONS
1	Ultrafiltration membrane fouling caused by extracellular organic matter (EOM) from <i>Microcystis aeruginosa</i> : Effects of membrane pore size and surface hydrophobicity. <i>Journal of Membrane Science</i> , 2014, 449, 58-66.	4.1	236
2	Water quality forecast through application of BP neural network at Yuqiao reservoir. <i>Journal of Zhejiang University: Science A</i> , 2007, 8, 1482-1487.	1.3	74
3	Characteristic analysis on morphological evolution of suspended particles in water during dynamic flocculation process. <i>Desalination and Water Treatment</i> , 2012, 41, 35-44.	1.0	32
4	Study on the impact of particle size distribution on turbidity in water. <i>Desalination and Water Treatment</i> , 2012, 41, 26-34.	1.0	26
5	Photo-hydrogen production by <i>Rhodospseudomonas faecalis</i> RLD-53 immobilized on the surface of modified activated carbon fibers. <i>RSC Advances</i> , 2012, 2, 2225.	1.7	21
6	Impact of dynamic distribution of floc particles on flocculation effect. <i>Journal of Environmental Sciences</i> , 2009, 21, 1059-1065.	3.2	20
7	Effect of reflux ratio on nitrogen removal in a novel upflow microaerobic sludge reactor treating piggery wastewater with high ammonium and low COD/TN ratio: Efficiency and quantitative molecular mechanism. <i>Bioresource Technology</i> , 2017, 243, 922-931.	4.8	20
8	Breakage and regrowth of flocs formed by sweep coagulation using additional coagulant of poly aluminium chloride and non-ionic polyacrylamide. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16336-16348.	2.7	19
9	The role of shear conditions on floc characteristics and membrane fouling in coagulation/ultrafiltration hybrid process – the effect of flocculation duration and slow shear force. <i>RSC Advances</i> , 2016, 6, 163-173.	1.7	19
10	Analysis of floc morphology in a continuous-flow flocculation and sedimentation reactor. <i>Journal of Environmental Sciences</i> , 2017, 52, 268-275.	3.2	19
11	Sensitized chemiluminescence of 2-phenyl-4,5-di(2-furyl)-1H-imidazole/ $K_3Fe(CN)_6$ /propyl gallate system combining with solid-phase extraction for the determination of propyl gallate in edible oil. <i>Food Chemistry</i> , 2014, 159, 445-450.	4.2	13
12	Simulating a cyclic activated sludge system by employing a modified ASM3 model for wastewater treatment. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 877-890.	1.7	13
13	Identifying the major fluorescent components responsible for ultrafiltration membrane fouling in different water sources. <i>Journal of Environmental Sciences</i> , 2016, 45, 215-223.	3.2	11
14	Experimental and numerical characterization of floc morphology: role of changing hydraulic retention time under flocculation mechanisms. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3596-3608.	2.7	10
15	Effect of aluminum speciation on fouling mechanisms by pre-coagulation/ultrafiltration process with different NOM fractions. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17459-17473.	2.7	10
16	Characterization of re-grown floc size and structure: effect of mixing conditions during floc growth, breakage and re-growth process. <i>Environmental Science and Pollution Research</i> , 2016, 23, 23750-23757.	2.7	10
17	Evaluation of kaolin floc characteristics during coagulation process: a case study with a continuous flow device. <i>RSC Advances</i> , 2016, 6, 48745-48752.	1.7	8
18	Influence and mechanism of different molecular weight organic molecules in natural water on ultrafiltration membrane fouling reversibility. <i>RSC Advances</i> , 2016, 6, 83456-83465.	1.7	7

#	ARTICLE	IF	CITATIONS
19	Fractal Growth Characteristics of Floccs in Flocculation Process in Water Treatment. , 2009, , .		5
20	Optimization of the UV/chlorine process for ammonia removal and disinfection by-products reduction. Desalination and Water Treatment, 2015, 54, 1003-1012.	1.0	5
21	Chemiluminescence determination of human serum albumin based on Co ²⁺ -catalyzed 2-(4-tert-butylphenyl)-4,5-di(2-furyl) imidazole/H ₂ O ₂ system. RSC Advances, 2015, 5, 89569-89576.	1.7	5
22	Fractal characteristics of particle size distribution in dynamic flocculation process. Wuhan University Journal of Natural Sciences, 2009, 14, 511-517.	0.2	4
23	Chlorine/UV induced photochemical degradation of total ammonia nitrogen (TAN) and process optimization. RSC Advances, 2015, 5, 63793-63799.	1.7	4
24	A dynamic modelling of nutrient metabolism in a cyclic activated sludge technology (CAST) for treating low carbon source wastewater. Environmental Science and Pollution Research, 2017, 24, 17016-17030.	2.7	4
25	Characteristics of the dynamic distribution of suspended particles in the flocculation process. Journal of Zhejiang University: Science A, 2009, 10, 1350-1358.	1.3	2
26	Micro Analysis of Efficacy and Mechanism of Aid-Coagulation with Hydrated MnO ₂ . , 2009, , .		1
27	Application of Numerical Simulation to Investigate Fractal Structure of Floc Formed in Flocculation Process of Water Treatment. , 2009, , .		0