

# Pengfei Ren

## List of Publications by Year in descending order

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27  
papers

598  
citations

759055

12  
h-index

610775

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all docs

27  
docs citations

27  
times ranked

747  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A dynamic modelling of nutrient metabolism in a cyclic activated sludge technology (CAST) for treating low carbon source wastewater. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17016-17030.	2.7	4
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Optimization of the UV/chlorine process for ammonia removal and disinfection by-products reduction. <i>Desalination and Water Treatment</i> , 2015, 54, 1003-1012.	1.0	5
14	Chemiluminescence determination of human serum albumin based on Co <sup>2+</sup> -catalyzed 2-(4-tert-butylphenyl)-4,5-di(2-furyl) imidazole/H <sub>2</sub> O <sub>2</sub> system. <i>RSC Advances</i> , 2015, 5, 89569-89576.	1.7	5
15	Chlorine/UV induced photochemical degradation of total ammonia nitrogen (TAN) and process optimization. <i>RSC Advances</i> , 2015, 5, 63793-63799.	1.7	4
16	Sensitized chemiluminescence of 2-phenyl-4,5-di(2-furyl)-1H-imidazole/K <sub>3</sub> Fe(CN) <sub>6</sub> /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
17	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
18	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

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19	Photo-hydrogen production by Rhodospseudomonas faecalis RLD-53 immobilized on the surface of modified activated carbon fibers. RSC Advances, 2012, 2, 2225.	1.7	21
20	Characteristic analysis on morphological evolution of suspended particles in water during dynamic flocculation process. Desalination and Water Treatment, 2012, 41, 35-44.	1.0	32
21	Micro Analysis of Efficacy and Mechanism of Aid-Coagulation with Hydrated MnO <sub>2</sub> . , 2009, , .		1
22	Impact of dynamic distribution of floc particles on flocculation effect. Journal of Environmental Sciences, 2009, 21, 1059-1065.	3.2	20
23	Fractal characteristics of particle size distribution in dynamic flocculation process. Wuhan University Journal of Natural Sciences, 2009, 14, 511-517.	0.2	4
24	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
25	Fractal Growth Characteristics of Flocs in Flocculation Process in Water Treatment. , 2009, , .		5
26	Application of Numerical Simulation to Investigate Fractal Structure of Floc Formed in Flocculation Process of Water Treatment. , 2009, , .		0
27	Water quality forecast through application of BP neural network at Yuqiao reservoir. Journal of Zhejiang University: Science A, 2007, 8, 1482-1487.	1.3	74