

Hou-Feng Wang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

509
citations

687363

13
h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

504
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying rheological analysis to better understand the mechanism of acid conditioning on activated sludge dewatering. <i>Water Research</i> , 2017, 122, 398-406.	11.3	92
2	Combined use of inorganic coagulants and cationic polyacrylamide for enhancing dewaterability of sewage sludge. <i>Journal of Cleaner Production</i> , 2019, 211, 387-395.	9.3	72
3	Impact of dosing order of the coagulant and flocculant on sludge dewatering performance during the conditioning process. <i>Science of the Total Environment</i> , 2018, 643, 1065-1073.	8.0	55
4	Characterization of anaerobic granular sludge using a rheological approach. <i>Water Research</i> , 2016, 106, 116-125.	11.3	43
5	Microbially induced calcium carbonate precipitation driven by ureolysis to enhance oil recovery. <i>RSC Advances</i> , 2017, 7, 37382-37391.	3.6	35
6	Applying rheological analysis to understand the mechanism of polyacrylamide (PAM) conditioning for sewage sludge dewatering. <i>RSC Advances</i> , 2017, 7, 30274-30282.	3.6	29
7	Advanced phosphorus recovery using a novel SBR system with granular sludge in simultaneous nitrification, denitrification and phosphorus removal process. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4367-4374.	3.6	28
8	Effects of nitrogen and phosphorous stress on the formation of high value LC-PUFAs in <i>Porphyridium cruentum</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 5763-5773.	3.6	27
9	Comprehensive investigation of the relationship between organic content and waste activated sludge dewaterability. <i>Journal of Hazardous Materials</i> , 2020, 394, 122547.	12.4	24
10	Effects of sewage sludge pretreatment methods on its use in agricultural applications. <i>Journal of Hazardous Materials</i> , 2022, 428, 128213.	12.4	20
11	Design and characterization of a microbial self-healing gel for enhanced oil recovery. <i>RSC Advances</i> , 2017, 7, 2578-2586.	3.6	16
12	Effect of cultivation mode on the production of docosahexaenoic acid by <i>Tisochrysis lutea</i> . <i>AMB Express</i> , 2018, 8, 50.	3.0	16
13	Mixed culture fermentation of synthesis gas in the microfiltration and ultrafiltration hollow-fiber membrane biofilm reactors. <i>Bioresource Technology</i> , 2018, 267, 650-656.	9.6	15
14	Multiple uses of magnesium chloride during waste activated sludge alkaline fermentation. <i>Bioresource Technology</i> , 2019, 290, 121792.	9.6	13
15	Reinterpretation of the mechanism of coagulation and its effects in waste activated sludge treatment. <i>Separation and Purification Technology</i> , 2022, 291, 120958.	7.9	7
16	Evaluation of the effect of agitation speed on the growth and high-value LC-PUFA formation of <i>Porphyridium cruentum</i> based on basic rheological analysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2158-2166.	3.2	6
17	Supplementary In-Depth Analysis of the Waste Activated Sludge Dewatering Process Using a Rheological Analysis. <i>ACS ES&T Engineering</i> , 2021, 1, 289-297.	7.6	6
18	A unified operating procedure is crucial to evaluate sludge dewaterability, taking the setup of refrigerated storage time as an example. <i>Journal of Environmental Management</i> , 2022, 307, 114528.	7.8	5