

Shujuan Meng

List of Publications by Year in descending order

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29
papers

1,136
citations

471371

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29
all docs

29
docs citations

29
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction heterogeneity in the bridging effect of divalent cations on polysaccharide fouling. <i>Journal of Membrane Science</i> , 2022, 641, 119933.	4.1	48
2	The role of iron present in water environment in degradation of polyamide membranes by free chlorine. <i>Journal of Membrane Science</i> , 2022, 651, 120458.	4.1	8
3	Transparent exopolymer particles (TEPs)-associated protobiofilm: A neglected contributor to biofouling during membrane filtration. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	31
4	Degradation of Polyamide Nanofiltration Membranes by Bromine: Changes of Physiochemical Properties and Filtration Performance. <i>Environmental Science & Technology</i> , 2021, 55, 6329-6339.	4.6	16
5	The structural and functional properties of polysaccharide foulants in membrane fouling. <i>Chemosphere</i> , 2021, 268, 129364.	4.2	41
6	Determination of estrogens and estrogen mimics by solid-phase extraction with liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1168, 122559.	1.2	21
7	A Global Overview of SARS-CoV-2 in Wastewater: Detection, Treatment, and Prevention. <i>ACS ES&T Water</i> , 2021, 1, 2174-2185.	2.3	8
8	The Limitations in Current Studies of Organic Fouling and Future Prospects. <i>Membranes</i> , 2021, 11, 922.	1.4	3
9	Novel Surrogates for Membrane Fouling and the Application of Support Vector Machine in Analyzing Fouling Mechanism. <i>Membranes</i> , 2021, 11, 990.	1.4	5
10	Effect of magnesium ion on polysaccharide fouling. <i>Chemical Engineering Journal</i> , 2020, 379, 122351.	6.6	60
11	Bibliometric and content analysis on emerging technologies of hydrogen production using microbial electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33310-33324.	3.8	32
12	Environmental occurrence and risk assessment of haloacetic acids in swimming pool water and drinking water. <i>RSC Advances</i> , 2020, 10, 28267-28276.	1.7	14
13	Effect of PAC on the Behavior of Dynamic Membrane Bioreactor Filtration Layer Based on the Analysis of Mixed Liquid Properties and Model Fitting. <i>Membranes</i> , 2020, 10, 420.	1.4	4
14	The role of transparent exopolymer particles (TEP) in membrane fouling: A critical review. <i>Water Research</i> , 2020, 181, 115930.	5.3	128
15	Exploration of a high-efficiency and low-cost technique for maximizing the glucoamylase production from food waste. <i>RSC Advances</i> , 2019, 9, 22980-22986.	1.7	7
16	Model-Based Condition Monitoring of a Vanadium Redox Flow Battery. <i>Energies</i> , 2019, 12, 3005.	1.6	8
17	Membrane Fouling and Performance of Flat Ceramic Membranes in the Application of Drinking Water Purification. <i>Water (Switzerland)</i> , 2019, 11, 2606.	1.2	21
18	Insights into the Fouling Propensities of Natural Derived Alginate Blocks during the Microfiltration Process. <i>Processes</i> , 2019, 7, 858.	1.3	12

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19	Filtration Performances of Different Polysaccharides in Microfiltration Process. <i>Processes</i> , 2019, 7, 897.	1.3	13
20	Real-time monitoring of capacity loss for vanadium redox flow battery. <i>Journal of Power Sources</i> , 2018, 390, 261-269.	4.0	89
21	Online monitoring of state of charge and capacity loss for vanadium redox flow battery based on autoregressive exogenous modeling. <i>Journal of Power Sources</i> , 2018, 402, 252-262.	4.0	44
22	Intermolecular interactions of polysaccharides in membrane fouling during microfiltration. <i>Water Research</i> , 2018, 143, 38-46.	5.3	82
23	Transparent exopolymer particles (TEP)-associated membrane fouling at different Na ⁺ concentrations. <i>Water Research</i> , 2017, 111, 52-58.	5.3	27
24	An adaptive model for vanadium redox flow battery and its application for online peak power estimation. <i>Journal of Power Sources</i> , 2017, 344, 195-207.	4.0	67
25	Enhanced online model identification and state of charge estimation for lithium-ion battery with a FBCRLS based observer. <i>Applied Energy</i> , 2016, 181, 332-341.	5.1	151
26	New insights into transparent exopolymer particles (TEP) formation from precursor materials at various Na ⁺ /Ca ²⁺ ratios. <i>Scientific Reports</i> , 2016, 6, 19747.	1.6	29
27	Ultrafiltration behaviors of alginate blocks at various calcium concentrations. <i>Water Research</i> , 2015, 83, 248-257.	5.3	76
28	Transparent exopolymer particles (TEP) and their potential effect on membrane biofouling. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5705-5710.	1.7	34
29	Alginate block fractions and their effects on membrane fouling. <i>Water Research</i> , 2013, 47, 6618-6627.	5.3	57