

Sanghun Park

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

488
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	Seawater battery desalination with a reverse osmosis membrane for simultaneous brine treatment and energy storage. <i>Journal of Cleaner Production</i> , 2022, 333, 130188.	9.3	7
2	Drone-borne sensing of major and accessory pigments in algae using deep learning modeling. <i>GIScience and Remote Sensing</i> , 2022, 59, 310-332.	5.9	16
3	Seawater battery desalination with sodium-intercalation cathode for hypersaline water treatment. <i>Desalination</i> , 2022, 531, 115713.	8.2	5
4	Membrane capacitive deionization model including fouling indexes obtained via real-time fouling layer measurements. <i>Desalination</i> , 2022, 536, 115852.	8.2	6
5	Predicting the salt adsorption capacity of different capacitive deionization electrodes using random forest. <i>Desalination</i> , 2022, 537, 115826.	8.2	8
6	Influence of natural organic matter on membrane capacitive deionization performance. <i>Chemosphere</i> , 2021, 264, 128519.	8.2	20
7	3D printed honeycomb-shaped feed channel spacer for membrane fouling mitigation in nanofiltration. <i>Journal of Membrane Science</i> , 2021, 620, 118665.	8.2	38
8	Prediction of Oxidant Exposures and Micropollutant Abatement during Ozonation Using a Machine Learning Method. <i>Environmental Science & Technology</i> , 2021, 55, 709-718.	10.0	21
9	Investigating the influence of catholyte salinity on seawater battery desalination. <i>Desalination</i> , 2021, 506, 115018.	8.2	13
10	Deep learning model for simulating influence of natural organic matter in nanofiltration. <i>Water Research</i> , 2021, 197, 117070.	11.3	28
11	Simultaneous Energy Storage and Seawater Desalination using Rechargeable Seawater Battery: Feasibility and Future Directions. <i>Advanced Science</i> , 2021, 8, e2101289.	11.2	26
12	Evaluating an on-line cleaning agent for mitigating organic fouling in a reverse osmosis membrane. <i>Chemosphere</i> , 2021, 275, 130033.	8.2	4
13	Pharmaceutical removal at low energy consumption using membrane capacitive deionization. <i>Chemosphere</i> , 2021, 276, 130133.	8.2	11
14	Real-time monitoring the spatial distribution of organic fouling using fluorescence imaging technique. <i>Journal of Membrane Science</i> , 2020, 597, 117778.	8.2	12
15	Optimization of a nanofiltration and membrane capacitive deionization (NF-MCDI) hybrid system: Experimental and modeling studies. <i>Desalination</i> , 2020, 493, 114658.	8.2	26
16	Energy projection of the seawater battery desalination system using the reverse osmosis system analysis model. <i>Chemical Engineering Journal</i> , 2020, 395, 125082.	12.7	31
17	Arctic Primary Aerosol Production Strongly Influenced by Riverine Organic Matter. <i>Environmental Science & Technology</i> , 2019, 53, 8621-8630.	10.0	21
18	Deep neural networks for modeling fouling growth and flux decline during NF/RO membrane filtration. <i>Journal of Membrane Science</i> , 2019, 587, 117164.	8.2	49

#	ARTICLE	IF	CITATIONS
19	Modeling of NF/RO membrane fouling and flux decline using real-time observations. Journal of Membrane Science, 2019, 576, 66-77.	8.2	39
20	Evaluating membrane fouling potentials of dissolved organic matter in brackish water. Water Research, 2019, 149, 65-73.	11.3	29
21	Evaluating the effects of organic matter bioavailability on nanofiltration membrane using real-time monitoring. Journal of Membrane Science, 2018, 548, 519-525.	8.2	15
22	Evaluation of fouling in nanofiltration for desalination using a resistance-in-series model and optical coherence tomography. Science of the Total Environment, 2018, 642, 349-355.	8.0	34
23	Optimizing Agricultural Best Management Practices in a Lake Erie Watershed. Journal of the American Water Resources Association, 2017, 53, 1281-1292.	2.4	14
24	Investigating the influence of organic matter composition on biofilm volumes in reverse osmosis using optical coherence tomography. Desalination, 2017, 419, 125-132.	8.2	15