

Sanghun Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11082127/publications.pdf>

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	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
2	Modeling of NF/RO membrane fouling and flux decline using real-time observations. <i>Journal of Membrane Science</i> , 2019, 576, 66-77.	8.2	39
3	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
4	Evaluation of fouling in nanofiltration for desalination using a resistance-in-series model and optical coherence tomography. <i>Science of the Total Environment</i> , 2018, 642, 349-355.	8.0	34
5	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
6	Evaluating membrane fouling potentials of dissolved organic matter in brackish water. <i>Water Research</i> , 2019, 149, 65-73.	11.3	29
7	Deep learning model for simulating influence of natural organic matter in nanofiltration. <i>Water Research</i> , 2021, 197, 117070.	11.3	28
8	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
9	Simultaneous Energy Storage and Seawater Desalination using Rechargeable Seawater Battery: Feasibility and Future Directions. <i>Advanced Science</i> , 2021, 8, e2101289.	11.2	26
10	Arctic Primary Aerosol Production Strongly Influenced by Riverine Organic Matter. <i>Environmental Science & Technology</i> , 2019, 53, 8621-8630.	10.0	21
11	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
12	Influence of natural organic matter on membrane capacitive deionization performance. <i>Chemosphere</i> , 2021, 264, 128519.	8.2	20
13	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
14	Investigating the influence of organic matter composition on biofilm volumes in reverse osmosis using optical coherence tomography. <i>Desalination</i> , 2017, 419, 125-132.	8.2	15
15	Evaluating the effects of organic matter bioavailability on nanofiltration membrane using real-time monitoring. <i>Journal of Membrane Science</i> , 2018, 548, 519-525.	8.2	15
16	Optimizing Agricultural Best Management Practices in a Lake Erie Watershed. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1281-1292.	2.4	14
17	Investigating the influence of catholyte salinity on seawater battery desalination. <i>Desalination</i> , 2021, 506, 115018.	8.2	13
18	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

#	ARTICLE	IF	CITATIONS
19	Pharmaceutical removal at low energy consumption using membrane capacitive deionization. Chemosphere, 2021, 276, 130133.	8.2	11
20	Predicting the salt adsorption capacity of different capacitive deionization electrodes using random forest. Desalination, 2022, 537, 115826.	8.2	8
21	Seawater battery desalination with a reverse osmosis membrane for simultaneous brine treatment and energy storage. Journal of Cleaner Production, 2022, 333, 130188.	9.3	7
22	Membrane capacitive deionization model including fouling indexes obtained via real-time fouling layer measurements. Desalination, 2022, 536, 115852.	8.2	6
23	Seawater battery desalination with sodium-intercalation cathode for hypersaline water treatment. Desalination, 2022, 531, 115713.	8.2	5
24	Evaluating an on-line cleaning agent for mitigating organic fouling in a reverse osmosis membrane. Chemosphere, 2021, 275, 130033.	8.2	4