

Youngkwon Choi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

839
citations

759055

12
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on remediation, reuse, and resource recovery from acid mine drainage. <i>Environmental Pollution</i> , 2019, 247, 1110-1124.	3.7	276
2	Membrane distillation for wastewater reverse osmosis concentrate treatment with water reuse potential. <i>Journal of Membrane Science</i> , 2017, 524, 565-575.	4.1	122
3	Experimental comparison of submerged membrane distillation configurations for concentrated brine treatment. <i>Desalination</i> , 2017, 420, 54-62.	4.0	58
4	Membrane distillation crystallization for brine mining and zero liquid discharge: opportunities, challenges, and recent progress. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1202-1221.	1.2	53
5	Acid mine drainage treatment by integrated submerged membrane distillation-adsorption system. <i>Chemosphere</i> , 2019, 218, 955-965.	4.2	50
6	Recovery of sodium sulfate from seawater brine using fractional submerged membrane distillation crystallizer. <i>Chemosphere</i> , 2020, 238, 124641.	4.2	43
7	Effect of chemical and physical factors on the crystallization of calcium sulfate in seawater reverse osmosis brine. <i>Desalination</i> , 2018, 426, 78-87.	4.0	41
8	Transport phenomena and fouling in vacuum enhanced direct contact membrane distillation: Experimental and modelling. <i>Separation and Purification Technology</i> , 2017, 172, 285-295.	3.9	39
9	Valuable rubidium extraction from potassium reduced seawater brine. <i>Journal of Cleaner Production</i> , 2018, 174, 1079-1088.	4.6	39
10	Fractional-submerged membrane distillation crystallizer (F-SMDC) for treatment of high salinity solution. <i>Desalination</i> , 2018, 440, 59-67.	4.0	30
11	Integrated submerged membrane distillation-adsorption system for rubidium recovery. <i>Separation and Purification Technology</i> , 2019, 218, 146-155.	3.9	28
12	Evaluation of fouling potential and power density in pressure retarded osmosis (PRO) by fouling index. <i>Desalination</i> , 2016, 389, 215-223.	4.0	27
13	Effect of inorganic and organic compounds on the performance of fractional-submerged membrane distillation-crystallizer. <i>Journal of Membrane Science</i> , 2019, 582, 9-19.	4.1	11
14	Removal of nitrogen by a sulfur-based carrier with powdered activated carbon (PAC) for denitrification in membrane bioreactor (MBR). <i>Journal of Water Process Engineering</i> , 2020, 34, 101149.	2.6	6
15	Optimization of hybrid system consisting of forward osmosis and reverse osmosis: a Monte Carlo simulation approach. <i>Desalination and Water Treatment</i> , 2012, 43, 274-280.	1.0	4
16	Experimental analysis of transport characteristics for vertically aligned carbon nanotube membranes. <i>Desalination and Water Treatment</i> , 2013, 51, 5349-5354.	1.0	4
17	Evaluation of the different integrated pre-treatment processes for the ceramic based microfiltration. <i>Chemical Engineering Research and Design</i> , 2020, 139, 210-217.	2.7	4
18	Application of tubular membranes for surface water treatment: effect of membrane properties and operation modes. <i>Desalination and Water Treatment</i> , 2016, 57, 10077-10085.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Comparison of Draw Solute for a Hybrid System Consisting of Forward Osmosis, Precipitation, and Reverse Osmosis. <i>Procedia Engineering</i> , 2012, 44, 1928.	1.2	1
20	Study on Water / Energy / Mutual-changing Technology by RO/PRO Process. <i>Journal of Fluid Machinery</i> , 2013, 16, 61-65.	0.3	1