

Jung Gil Lee

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

830
citations

567281

15
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced vapor transport in membrane distillation via functionalized carbon nanotubes anchored into electrospun nanofibres. <i>Scientific Reports</i> , 2017, 7, 41562.	3.3	97
2	Performance modeling of direct contact membrane distillation (DCMD) seawater desalination process using a commercial composite membrane. <i>Journal of Membrane Science</i> , 2015, 478, 85-95.	8.2	89
3	Fouling development in direct contact membrane distillation: Non-invasive monitoring and destructive analysis. <i>Water Research</i> , 2018, 132, 34-41.	11.3	80
4	Theoretical modeling and experimental validation of transport and separation properties of carbon nanotube electrospun membrane distillation. <i>Journal of Membrane Science</i> , 2017, 526, 395-408.	8.2	79
5	A novel multi-stage direct contact membrane distillation module: Design, experimental and theoretical approaches. <i>Water Research</i> , 2016, 107, 47-56.	11.3	72
6	Numerical study on multi-stage vacuum membrane distillation with economic evaluation. <i>Desalination</i> , 2014, 339, 54-67.	8.2	54
7	Evaluating the potential of superhydrophobic nanoporous alumina membranes for direct contact membrane distillation. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 723-732.	9.4	50
8	Dynamic solar-powered multi-stage direct contact membrane distillation system: Concept design, modeling and simulation. <i>Desalination</i> , 2018, 435, 278-292.	8.2	48
9	Numerical modeling of the vacuum membrane distillation process. <i>Desalination</i> , 2013, 331, 46-55.	8.2	43
10	Numerical study of a hybrid multi-stage vacuum membrane distillation and pressure-retarded osmosis system. <i>Desalination</i> , 2015, 363, 82-91.	8.2	42
11	Enhanced ammonia recovery from wastewater by Nafion membrane with highly porous honeycomb nanostructure and its mechanism in membrane distillation. <i>Journal of Membrane Science</i> , 2019, 590, 117265.	8.2	40
12	Total water production capacity inversion phenomenon in multi-stage direct contact membrane distillation: A theoretical study. <i>Journal of Membrane Science</i> , 2017, 544, 126-134.	8.2	35
13	Performance simulation of a multi-VMD desalination process including the recycle flow. <i>Desalination</i> , 2014, 338, 39-48.	8.2	30
14	Theoretical modeling and simulation of AGMD and LGMD desalination processes using a composite membrane. <i>Journal of Membrane Science</i> , 2018, 565, 14-24.	8.2	20
15	Influence of high range of mass transfer coefficient and convection heat transfer on direct contact membrane distillation performance. <i>Desalination</i> , 2018, 426, 127-134.	8.2	18
16	Application of volume-retarded osmosis and low-pressure membrane hybrid process for water reclamation. <i>Chemosphere</i> , 2018, 194, 76-84.	8.2	12
17	Numerical study of desalination by vacuum membrane distillation – Transient three-dimensional analysis. <i>Journal of Membrane Science</i> , 2020, 596, 117609.	8.2	12
18	Effect of seawater-coolant feed arrangement in a waste heat driven multi-stage vacuum membrane distillation system. <i>Separation and Purification Technology</i> , 2019, 212, 12-20.	7.9	7

#	ARTICLE	IF	CITATIONS
19	Design and Implementation of Mixing Chambers to Improve Thermal Decomposition of Urea for NOX Abatement. Environmental Engineering Science, 2012, 29, 979-986.	1.6	2