Jun-De Li

List of Publications by Year
in descending order

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28 papers	1,943 citations	471477 17 h-index	552766 26 g-index
28 all docs	28 docs citations	28 times ranked	1587 citing authors

#	Article	IF	Citations
1	Advances in Membrane Distillation for Water Desalination and Purification Applications. Water (Switzerland), 2013, 5, 94-196.	2.7	601
2	Identification of material and physical features of membrane distillation membranes for high performance desalination. Journal of Membrane Science, 2010, 349, 295-303.	8.2	242
3	Pilot trial of membrane distillation driven by low grade waste heat: Membrane fouling and energy assessment. Desalination, 2016, 391, 30-42.	8.2	185
4	Modeling of air-gap membrane distillation process: A theoretical and experimental study. Journal of Membrane Science, 2013, 445, 53-65.	8.2	158
5	CFD simulation of water vapour condensation in the presence of non-condensable gas in vertical cylindrical condensers. International Journal of Heat and Mass Transfer, 2013, 57, 708-721.	4.8	100
6	Performance of asymmetric hollow fibre membranes in membrane distillation under various configurations and vacuum enhancement. Journal of Membrane Science, 2010, 362, 517-528.	8.2	89
7	Modelling heat and mass transfers in DCMD using compressible membranes. Journal of Membrane Science, 2012, 387-388, 7-16.	8.2	83
8	Effect of applied pressure on performance of PTFE membrane in DCMD. Journal of Membrane Science, 2011, 369, 514-525.	8.2	79
9	Modelling of vacuum membrane distillation. Journal of Membrane Science, 2013, 434, 1-9.	8.2	69
10	Condensation of vapor in the presence of non-condensable gas in condensers. International Journal of Heat and Mass Transfer, 2011, 54, 4078-4089.	4.8	57
11	Experimental study of hollow fiber permeate gap membrane distillation and its performance comparison with DCMD and SGMD. Separation and Purification Technology, 2017, 188, 11-23.	7.9	47
12	Modelling mass and heat transfers of Permeate Gap Membrane Distillation using hollow fibre membrane. Desalination, 2019, 467, 196-209.	8.2	36
13	Influence of PGMD module design on the water productivity and energy efficiency in desalination. Desalination, 2019, 452, 29-39.	8.2	33
14	Predicting the influence of operating conditions on DCMD flux and thermal efficiency for incompressible and compressible membrane systems. Desalination, 2013, 323, 142-149.	8.2	30
15	De-ammonification using direct contact membrane distillation â€“ An experimental and simulation study. Separation and Purification Technology, 2020, 250, 117158.	7.9	29
16	Modeling of heat and mass transfer in vacuum membrane distillation for ammonia separation. Separation and Purification Technology, 2019, 224, 121-131.	7.9	23
17	Pervaporation of ammonia solution with Î³-alumina supported organosilica membranes. Separation and Purification Technology, 2016, 168, 141-151.	7.9	20
18	Influence of module design and membrane compressibility on VMD performance. Journal of Membrane Science, 2013, 442, 31-38.	8.2	15

#	Article	IF	Citations
19	A new calibration method for crossed hot wires. Measurement Science and Technology, 2004, 15, 1926-1931.	2.6	9
20	Performance of new generation membrane distillation membranes. Water Science and Technology: Water Supply, 2009, 9, 501-508.	2.1	9
21	Bed-load transport rate based on the entrainment probabilities of sediment grains by rolling and lifting. International Journal of Sediment Research, 2018, 33, 126-136.	3.5	8
22	Optimization and Determination of the Frequency Response of Constant-Temperature Hot-Wire Anemometers. AIAA Journal, 2017, 55, 2537-2543.	2.6	6
23	Researching and modelling the dependence of MD flux on membrane dimension for scale-up purpose. Desalination and Water Treatment, 2011, 31, 144-150.	1.0	5
24	Simulation of Heat and Mass Transfer Involving Vapor Condensation in the Presence of Non-Condensable Gases in Plane Channels. , 2011, , .		4
25	Computational Fluid Dynamics Simulations of Convective Pure Vapor Condensation Inside Vertical Cylindrical Condensers. Journal of Heat Transfer, 2017, 139, .	2.1	3
26	Performance modelling of direct contact membrane distillation using a hydrophobic/hydrophilic dual-layer membrane. Journal of Water Reuse and Desalination, 2021, 11, 490-507.	2.3	2
27	Numerical Modeling of Film Condensation in Horizontal Mini- and Macrocircular Tubes. Journal of Heat Transfer, 2018, 140, .	2.1	1
28	Transport phenomena in membrane distillation processes. , 2022, , 111-128.		0