

# Jun-De Li

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Transport phenomena in membrane distillation processes. , 2022, , 111-128.		0
2	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
3	De-ammonification using direct contact membrane distillation “ An experimental and simulation study. Separation and Purification Technology, 2020, 250, 117158.	7.9	29
4	Modelling mass and heat transfers of Permeate Gap Membrane Distillation using hollow fibre membrane. Desalination, 2019, 467, 196-209.	8.2	36
5	Modeling of heat and mass transfer in vacuum membrane distillation for ammonia separation. Separation and Purification Technology, 2019, 224, 121-131.	7.9	23
6	Influence of PGMD module design on the water productivity and energy efficiency in desalination. Desalination, 2019, 452, 29-39.	8.2	33
7	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
8	Numerical Modeling of Film Condensation in Horizontal Mini- and Macrocircular Tubes. Journal of Heat Transfer, 2018, 140, .	2.1	1
9	Computational Fluid Dynamics Simulations of Convective Pure Vapor Condensation Inside Vertical Cylindrical Condensers. Journal of Heat Transfer, 2017, 139, .	2.1	3
10	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
11	Optimization and Determination of the Frequency Response of Constant-Temperature Hot-Wire Anemometers. AIAA Journal, 2017, 55, 2537-2543.	2.6	6
12	Pervaporation of ammonia solution with $\gamma$ -alumina supported organosilica membranes. Separation and Purification Technology, 2016, 168, 141-151.	7.9	20
13	Pilot trial of membrane distillation driven by low grade waste heat: Membrane fouling and energy assessment. Desalination, 2016, 391, 30-42.	8.2	185
14	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
15	Influence of module design and membrane compressibility on VMD performance. Journal of Membrane Science, 2013, 442, 31-38.	8.2	15
16	Advances in Membrane Distillation for Water Desalination and Purification Applications. Water (Switzerland), 2013, 5, 94-196.	2.7	601
17	Modelling of vacuum membrane distillation. Journal of Membrane Science, 2013, 434, 1-9.	8.2	69
18	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

#	ARTICLE	IF	CITATIONS
19	Modeling of air-gap membrane distillation process: A theoretical and experimental study. Journal of Membrane Science, 2013, 445, 53-65.	8.2	158
20	Modelling heat and mass transfers in DCMD using compressible membranes. Journal of Membrane Science, 2012, 387-388, 7-16.	8.2	83
21	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
22	Simulation of Heat and Mass Transfer Involving Vapor Condensation in the Presence of Non-Condensable Gases in Plane Channels. , 2011, , .		4
23	Effect of applied pressure on performance of PTFE membrane in DCMD. Journal of Membrane Science, 2011, 369, 514-525.	8.2	79
24	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
25	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
26	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
27	Performance of new generation membrane distillation membranes. Water Science and Technology: Water Supply, 2009, 9, 501-508.	2.1	9
28	A new calibration method for crossed hot wires. Measurement Science and Technology, 2004, 15, 1926-1931.	2.6	9