

Yi-Rui Chen

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

556
citations

840585

11
h-index

996849

15
g-index

15
all docs

15
docs citations

15
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Omniphobic membranes for direct contact membrane distillation: Effective deposition of zinc oxide nanoparticles. <i>Desalination</i> , 2018, 428, 255-263.	4.0	128
2	Phosphorus-doped g-C ₃ N ₄ integrated photocatalytic membrane reactor for wastewater treatment. <i>Journal of Membrane Science</i> , 2019, 580, 1-11.	4.1	99
3	Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. <i>Desalination</i> , 2018, 440, 48-58.	4.0	54
4	Nanostructure depositions on alumina hollow fiber membranes for enhanced wetting resistance during membrane distillation. <i>Journal of Membrane Science</i> , 2018, 564, 227-236.	4.1	50
5	Wetting-resistant photothermal nanocomposite membranes for direct solar membrane distillation. <i>Journal of Membrane Science</i> , 2021, 620, 118913.	4.1	46
6	Structural characteristics and transport behavior of triptycene-based PIMs membranes: A combination study using ab initio calculation and molecular simulations. <i>Journal of Membrane Science</i> , 2016, 514, 114-124.	4.1	42
7	Hydrophobic alumina hollow fiber membranes for sucrose concentration by vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2018, 555, 250-257.	4.1	32
8	Effective reduction of water molecules' interaction for efficient water evaporation in desalination. <i>Desalination</i> , 2018, 436, 91-97.	4.0	31
9	Increasing the Performance of Vacuum Membrane Distillation Using Micro-Structured Hydrophobic Aluminum Hollow Fiber Membranes. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 357.	1.3	24
10	A high ZIF-8 loading PVA mixed matrix membrane on alumina hollow fiber with enhanced ethanol dehydration. <i>Journal of Membrane Science</i> , 2021, 621, 118935.	4.1	19
11	Exploration of the nanostructures and separation properties of cross-linked mixed matrix membranes using multiscale modeling. <i>Journal of Membrane Science</i> , 2017, 543, 328-334.	4.1	12
12	Nano-sized graphene flakes: insights from experimental synthesis and first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6338-6344.	1.3	9
13	Semianalytical solution for power-law polymer solution flow in a converging annular spinneret. <i>AIChE Journal</i> , 2015, 61, 3489-3499.	1.8	6
14	Fluid flow through compressible soft particle beds. <i>AIChE Journal</i> , 2016, 62, 1716-1727.	1.8	3
15	Inorganic Membranes in Water and Wastewater Treatment. <i>Green Chemistry and Sustainable Technology</i> , 2017, , 121-154.	0.4	1