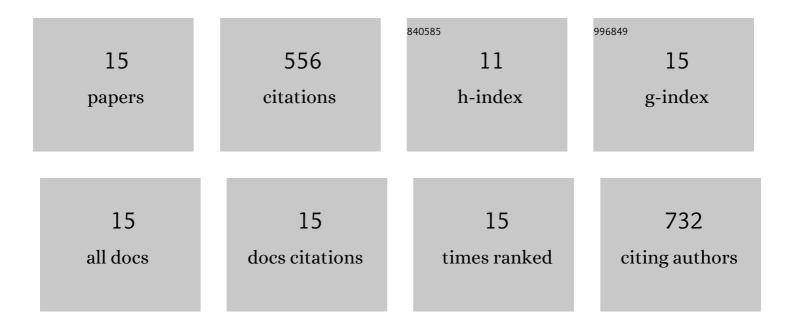
Yi-Rui Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Wetting-resistant photothermal nanocomposite membranes for direct solar membrane distillation. Journal of Membrane Science, 2021, 620, 118913.	4.1	46
2	A high ZIF-8 loading PVA mixed matrix membrane on alumina hollow fiber with enhanced ethanol dehydration. Journal of Membrane Science, 2021, 621, 118935.	4.1	19
3	Phosphorus-doped g-C3N4 integrated photocatalytic membrane reactor for wastewater treatment. Journal of Membrane Science, 2019, 580, 1-11.	4.1	99
4	Effective reduction of water molecules' interaction for efficient water evaporation in desalination. Desalination, 2018, 436, 91-97.	4.0	31
5	Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. Desalination, 2018, 440, 48-58.	4.0	54
6	Hydrophobic alumina hollow fiber membranes for sucrose concentration by vacuum membrane distillation. Journal of Membrane Science, 2018, 555, 250-257.	4.1	32
7	Omniphobic membranes for direct contact membrane distillation: Effective deposition of zinc oxide nanoparticles. Desalination, 2018, 428, 255-263.	4.0	128
8	Nanostructure depositions on alumina hollow fiber membranes for enhanced wetting resistance during membrane distillation. Journal of Membrane Science, 2018, 564, 227-236.	4.1	50
9	Nano-sized graphene flakes: insights from experimental synthesis and first principles calculations. Physical Chemistry Chemical Physics, 2017, 19, 6338-6344.	1.3	9
10	Inorganic Membranes in Water and Wastewater Treatment. Green Chemistry and Sustainable Technology, 2017, , 121-154.	0.4	1
11	Exploration of the nanostructures and separation properties of cross-linked mixed matrix membranes using multiscale modeling. Journal of Membrane Science, 2017, 543, 328-334.	4.1	12
12	Increasing the Performance of Vacuum Membrane Distillation Using Micro-Structured Hydrophobic Aluminum Hollow Fiber Membranes. Applied Sciences (Switzerland), 2017, 7, 357.	1.3	24
13	Fluid flow through compressible soft particle beds. AICHE Journal, 2016, 62, 1716-1727.	1.8	3
14	Structural characteristics and transport behavior of triptycene-based PIMs membranes: A combination study using ab initio calculation and molecular simulations. Journal of Membrane Science, 2016, 514, 114-124.	4.1	42
15	Semianalytical solution for power″aw polymer solution flow in a converging annular spinneret. AICHE Journal, 2015, 61, 3489-3499.	1.8	6