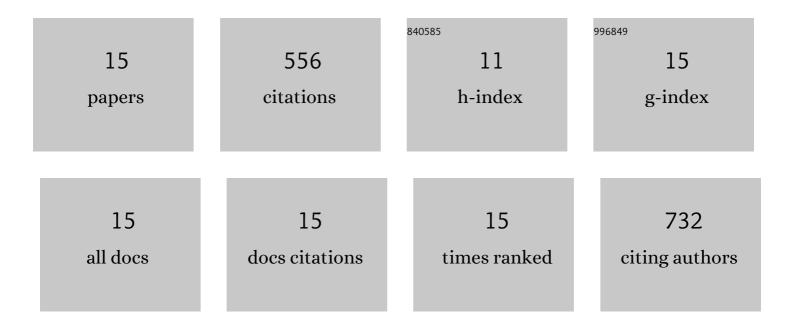
Yi-Rui Chen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Omniphobic membranes for direct contact membrane distillation: Effective deposition of zinc oxide nanoparticles. Desalination, 2018, 428, 255-263.	4.0	128
2	Phosphorus-doped g-C3N4 integrated photocatalytic membrane reactor for wastewater treatment. Journal of Membrane Science, 2019, 580, 1-11.	4.1	99
3	Performance of ceramic membrane in vacuum membrane distillation and in vacuum membrane crystallization. Desalination, 2018, 440, 48-58.	4.0	54
4	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
5	Wetting-resistant photothermal nanocomposite membranes for direct solar membrane distillation. Journal of Membrane Science, 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. Journal of Membrane Science, 2016, 514, 114-124.	4.1	42
7	Hydrophobic alumina hollow fiber membranes for sucrose concentration by vacuum membrane distillation. Journal of Membrane Science, 2018, 555, 250-257.	4.1	32
8	Effective reduction of water molecules' interaction for efficient water evaporation in desalination. Desalination, 2018, 436, 91-97.	4.0	31
9	Increasing the Performance of Vacuum Membrane Distillation Using Micro-Structured Hydrophobic Aluminum Hollow Fiber Membranes. Applied Sciences (Switzerland), 2017, 7, 357.	1.3	24
10	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
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	Nano-sized graphene flakes: insights from experimental synthesis and first principles calculations. Physical Chemistry Chemical Physics, 2017, 19, 6338-6344.	1.3	9
13	Semianalytical solution for power″aw polymer solution flow in a converging annular spinneret. AICHE Journal, 2015, 61, 3489-3499.	1.8	6
14	Fluid flow through compressible soft particle beds. AICHE Journal, 2016, 62, 1716-1727.	1.8	3
15	Inorganic Membranes in Water and Wastewater Treatment. Green Chemistry and Sustainable Technology, 2017, , 121-154.	0.4	1