

Wai Fen Yong

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,920
citations

236925

25
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1405
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in polymer blend membranes for gas separation and pervaporation. <i>Progress in Materials Science</i> , 2021, 116, 100713.	32.8	177
2	Molecular engineering of PIM-1/Matrimid blend membranes for gas separation. <i>Journal of Membrane Science</i> , 2012, 407-408, 47-57.	8.2	176
3	High performance PIM-1/Matrimid hollow fiber membranes for CO ₂ /CH ₄ , O ₂ /N ₂ and CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2013, 443, 156-169.	8.2	129
4	High-performance composite hollow fiber membrane for flue gas and air separations. <i>Journal of Membrane Science</i> , 2017, 541, 367-377.	8.2	118
5	Suppression of aging and plasticization in highly permeable polymers. <i>Polymer</i> , 2015, 77, 377-386.	3.8	114
6	Adsorption of pollutants in wastewater via biosorbents, nanoparticles and magnetic biosorbents: A review. <i>Environmental Research</i> , 2022, 212, 113248.	7.5	103
7	Highly permeable chemically modified PIM-1/Matrimid membranes for green hydrogen purification. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13914.	10.3	97
8	Status and advances of deep eutectic solvents for metal separation and recovery. <i>Green Chemistry</i> , 2022, 24, 1895-1929.	9.0	79
9	Blends of a Polymer of Intrinsic Microporosity and Partially Sulfonated Polyphenylenesulfone for Gas Separation. <i>ChemSusChem</i> , 2016, 9, 1953-1962.	6.8	74
10	Molecular interaction, gas transport properties and plasticization behavior of cPIM-1/Torlon blend membranes. <i>Journal of Membrane Science</i> , 2014, 462, 119-130.	8.2	70
11	Design of high efficiency PVDF-PEG hollow fibers for air filtration of ultrafine particles. <i>Journal of Membrane Science</i> , 2017, 535, 342-349.	8.2	70
12	Novel Hollow Fiber Air Filters for the Removal of Ultrafine Particles in PM _{2.5} with Repetitive Usage Capability. <i>Environmental Science & Technology</i> , 2017, 51, 10041-10049.	10.0	67
13	Metal-Organic Frameworks (MOFs)-Based Mixed Matrix Membranes (MMMs) for Gas Separation: A Review on Advanced Materials in Harsh Environmental Applications. <i>Small</i> , 2022, 18, e2107536.	10.0	64
14	Hollow Fiber Membrane Dehumidification Device for Air Conditioning System. <i>Membranes</i> , 2015, 5, 722-738.	3.0	61
15	Miscible blends of carboxylated polymers of intrinsic microporosity (cPIM-1) and Matrimid. <i>Polymer</i> , 2015, 59, 290-297.	3.8	57
16	Development of high performance carboxylated PIM-1/P84 blend membranes for pervaporation dehydration of isopropanol and CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2016, 518, 110-119.	8.2	50
17	Recent Progress of Zwitterionic Materials as Antifouling Membranes for Ultrafiltration, Nanofiltration, and Reverse Osmosis. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4390-4412.	4.4	50
18	New polyethersulfone (PESU) hollow fiber membranes for CO ₂ capture. <i>Journal of Membrane Science</i> , 2018, 552, 305-314.	8.2	46

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19	Effects of hydrolyzed PIM-1 in polyimide-based membranes on C ₂ –C ₄ alcohols dehydration via pervaporation. <i>Journal of Membrane Science</i> , 2017, 523, 430-438.	8.2	41
20	Effects of chemical structure on gas transport properties of polyethersulfone polymers. <i>Polymer</i> , 2018, 135, 76-84.	3.8	36
21	Highly solvent-durable thin-film molecular sieve membranes with insoluble polyimide nanofibrous substrate. <i>Chemical Engineering Journal</i> , 2021, 409, 128206.	12.7	35
22	Nanoparticles Embedded in Amphiphilic Membranes for Carbon Dioxide Separation and Dehumidification. <i>ChemSusChem</i> , 2017, 10, 4046-4055.	6.8	34
23	Mechanically Strong and Flexible Hydrolyzed Polymers of Intrinsic Microporosity (PIM-1) Membranes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 344-354.	2.1	29
24	Recent advances of thin film nanocomposite membranes: Effects of shape/structure of nanomaterials and interfacial polymerization methods. <i>Chemical Engineering Research and Design</i> , 2021, 172, 135-158.	5.6	29
25	Recent progress and prospects of polymeric hollow fiber membranes for gas application, water vapor separation and particulate matter removal. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26454-26497.	10.3	29
26	Functionalized two-dimensional g-C ₃ N ₄ nanosheets in PIM-1 mixed matrix membranes for gas separation. <i>Separation and Purification Technology</i> , 2022, 296, 121354.	7.9	25
27	Understanding the role of substrates on thin film composite membranes: A green solvent approach with TamiSolve® NxG. <i>Journal of Membrane Science</i> , 2021, 635, 119530.	8.2	22
28	State-of-the-Art Organic- and Inorganic-Based Hollow Fiber Membranes in Liquid and Gas Applications: Looking Back and Beyond. <i>Membranes</i> , 2022, 12, 539.	3.0	22
29	Haze particles removal and thermally induced membrane dehumidification system. <i>Separation and Purification Technology</i> , 2017, 185, 24-32.	7.9	9
30	Plasticization-enhanced trimethylbenzene functionalized polyethersulfone hollow fiber membranes for propylene and propane separation. <i>Journal of Membrane Science</i> , 2022, 647, 120293.	8.2	7
31	Metal-Organic Frameworks for Environmental Applications. <i>Engineering Materials</i> , 2021, , 1-39.	0.6	0
32	Composite hollow fibers for gas separation. , 2021, , 385-405.		0