Wan Norharyati Wan Salleh

List of Publications by Year in Descending Order

82 papers	1,667 citations	24 h-index	39 g-index
87 ext. papers	2,143 ext. citations	3.8 avg, IF	5.28 L-index

#	Paper	IF	Citations
82	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. *Catalysts*, **2022**, 12, 209	4	0
81	Pb(II) removal and its adsorption from aqueous solution using zinc oxide/graphene oxide composite. *Chemical Engineering Communications*, **2021**, 208, 646-660	2.2	6
80	The influence of calcination temperature on the optical, morphological properties and photocatalytic activity of lanthanum orthoferrite. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1142, 012001	0.4	
79	Development of a P84/ZCC Composite Carbon Membrane for Gas Separation of H/CO and H/CH. *ACS Omega*, **2021**, 6, 15637-15650	3.9	3
78	Enhanced performance of lanthanum orthoferrite/chitosan nanocomposites for adsorptive photocatalytic removal of Reactive Black 5. *Korean Journal of Chemical Engineering*, **2021**, 38, 1648-1659	2.8	1
77	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. *Membranes*, **2021**, 11,	3.8	4
76	Superwetting materials for hydrophilic-oleophobic membrane in oily wastewater treatment. *Journal of Environmental Management*, **2021**, 290, 112565	7.9	16
75	Ibuprofen removal through photocatalytic filtration using antifouling PVDF- ZnO/Ag2CO3/Ag2O nanocomposite membrane. *Materials Today: Proceedings*, **2021**, 42, 69-74	1.4	5
74	Surface functionalization of poly(vinylidene fluoride) membrane by radiation-induced emulsion polymerization of hydroxyethyl acrylates in an aqueous medium. *Journal of Applied Polymer Science*, **2021**, 138, 50307	2.9	2
73	Palm oil mill effluent treatment using tungsten trioxide: Adsorption and photocatalytic degradation. *Materials Today: Proceedings*, **2021**, 42, 22-27	1.4	3
72	Impacts of Annealing Temperature on Morphological, Optical and Photocatalytic Properties of Gel-Combustion-Derived LaFeO3 Nanoparticles. *Arabian Journal for Science and Engineering*, **2021**, 46, 6153-6165	2.5	5
71	PVDF/HMO ultrafiltration membrane for efficient oil/water separation. *Chemical Engineering Communications*, **2021**, 208, 463-473	2.2	6
70	Oxygen separation through p84 copolyimide/nanocrystalline cellulose carbon membrane: Impact of heating rates. *Chemical Engineering Communications*, **2021**, 208, 442-452	2.2	2
69	A brief review on carbon selective membranes from polymer blends for gas separation performance. *Reviews in Chemical Engineering*, **2021**, 37, 339-362	5	3
68	Electrospinning parameters evaluation of PVDF-ZnO/Ag2CO3/Ag2O composite nanofiber affect on porosity by using response surface methodology. *Materials Today: Proceedings*, **2021**, 46, 1824-1830	1.4	3
67	Nanocellulose-Based Materials for Heavy Metal Removal from Wastewater. *Environmental Chemistry for A Sustainable World*, **2021**, 1-34	0.8	
66	The utilization of micro-mesoporous carbon-based filler in the P84 hollow fibre membrane for gas separation. *Royal Society Open Science*, **2021**, 8, 201150	3.3	2

65	Effect of various operating parameters towards PVDF/HMO mixed matrix membrane performance. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105667	6.8	0
64	Review on tungsten trioxide as a photocatalysts for degradation of recalcitrant pollutants. *Journal of Cleaner Production*, **2021**, 309, 127438	10.3	12
63	Effects of operating parameters on cadmium removal for wastewater treatment using zeolitic imidazolate framework-L/graphene oxide composite. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106139	6.8	2
62	Preparation and characterization of polyacrylonitrile-based activated carbon nanofibers/graphene (gACNFs) composite synthesized by electrospinning. *AIP Advances*, **2020**, 10, 055117	1.5	6
61	New Perspectives on Fuel Cell Technology: A Brief Review. *Membranes*, **2020**, 10,	3.8	53
60	Synthetic polymer-based membranes for hydrogen separation **2020**, 273-292		
59	Membranes for hydrogen separation: a significant review. *International Journal of Advanced Manufacturing Technology*, **2020**, 107, 1859-1881	3.2	14
58	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. *Chemosphere*, **2020**, 248, 126008	8.4	120
57	Mixed matrix composite membranes based on amination of reduced graphene oxide for CO2 separation: Effects of heating time and nanofiller loading. *Korean Journal of Chemical Engineering*, **2020**, 37, 2287-2294	2.8	2
56	P84/ZCC Hollow Fiber Mixed Matrix Membrane with PDMS Coating to Enhance Air Separation Performance. *Membranes*, **2020**, 10,	3.8	7
55	Incorporation of thermally labile additives in polyimide carbon membrane for hydrogen separation. *International Journal of Hydrogen Energy*, **2020**, 46, 24855-24855	6.7	1
54	PI/NCC Carbon Membrane: Effect of Additives loading Towards Hydrogen Separation. *IOP Conference Series: Materials Science and Engineering*, **2020**, 736, 022002	0.4	1
53	PI/NCC- based carbon molecular sieve membranes for Hydrogen purification: Effect of aging times. *IOP Conference Series: Materials Science and Engineering*, **2020**, 736, 022003	0.4	1
52	PI/NCC Carbon Membrane: Effect of Heating Rates Towards Oxygen Separation Performance. *IOP Conference Series: Materials Science and Engineering*, **2020**, 736, 022009	0.4	
51	A short review on polymeric materials concerning degradable polymers. *IOP Conference Series: Materials Science and Engineering*, **2020**, 788, 012047	0.4	4
50	Constructing a compact heterojunction structure of Ag2CO3/Ag2O in-situ intermediate phase transformation decorated on ZnO with superior photocatalytic degradation of ibuprofen. *Separation and Purification Technology*, **2020**, 251, 117391	8.3	13
49	Modified recycled paper-based adsorbent for nickel removal. *IOP Conference Series: Materials Science and Engineering*, **2020**, 736, 072001	0.4	1
48	Novel Activated Carbon Nanofibers Composited with Cost-Effective Graphene-Based Materials for Enhanced Adsorption Performance toward Methane. *Polymers*, **2020**, 12,	4.5	5

47	Impact of stabilization environment and heating rates on P84 co-polyimide/nanocrystaline cellulose carbon membrane for hydrogen enrichment. *International Journal of Hydrogen Energy*, **2019**, 44, 20924-20932	6.7	17
46	Microporous Carbon Membrane: Preparation, Characterization, and Applications **2019**, 1-38		
45	Electrospun Nanofibers Embedding ZnO/Ag2CO3/Ag2O Heterojunction Photocatalyst with Enhanced Photocatalytic Activity. *Catalysts*, **2019**, 9, 565	4	30
44	Simple Method to Enhance O2/N2 Separation on P84 co-polyimide Hollow Fiber Membrane. *IOP Conference Series: Materials Science and Engineering*, **2019**, 546, 042042	0.4	3
43	Introduction to Green Polymeric Membranes **2019**, 95-116		1
42	Zeolite templated carbon: Preparation, characterization and performance as filler material in co-polyimide membranes for CO2/CH4 separation. *Malaysian Journal of Fundamental and Applied Sciences*, **2019**, 15, 407-413	2.1	3
41	P84/Zeolite-Carbon Composite Mixed Matrix Membrane for CO2/CH4 Separation. *Indonesian Journal of Chemistry*, **2019**, 19, 650	1.5	6
40	Synthesis, Characterization and Adsorption Properties of Grafted Cellulose for Cr (VI) Removal. *Materials Today: Proceedings*, **2019**, 19, 1777-1786	1.4	1
39	Exploiting pyrolysis protocols on BTDA-TDI/MDI (P84) polyimide/nanocrystalline cellulose carbon membrane for gas separations. *Journal of Applied Polymer Science*, **2019**, 136, 46901	2.9	19
38	Effects of the Citric Acid Addition on the Morphology, Surface Area, and Photocatalytic Activity of LaFeO3 Nanoparticles Prepared by Glucose-Based Gel Combustion Methods. *Industrial & Engineering Chemistry Research*, **2019**, 58, 609-617	3.9	11
37	Adsorption Behavior of Chromium(VI) onto Regenerated Cellulose Membrane. *Industrial & Engineering Chemistry Research*, **2019**, 58, 720-728	3.9	22
36	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. *Chemosphere*, **2018**, 204, 79-86	8.4	30
35	Disk supported carbon membrane via spray coating method: Effect of carbonization temperature and atmosphere. *Separation and Purification Technology*, **2018**, 195, 295-304	8.3	32
34	Efficient separation of oily wastewater using polyethersulfone mixed matrix membrane incorporated with halloysite nanotube-hydrous ferric oxide nanoparticle. *Separation and Purification Technology*, **2018**, 199, 161-169	8.3	45
33	Incorporation of layered double nanomaterials in thin film nanocomposite nanofiltration membrane for magnesium sulphate removal. *E3S Web of Conferences*, **2018**, 34, 02003	0.5	3
32	Development and characterization of disk supported carbon membrane prepared by one-step coating-carbonization cycle. *Journal of Industrial and Engineering Chemistry*, **2018**, 57, 313-321	6.3	24
31	Effect of stabilization temperature during pyrolysis process of P84 co-polyimide-based tubular carbon membrane for H2/N2 and He/N2 separations. *IOP Conference Series: Materials Science and Engineering*, **2018**, 342, 012027	0.4	10
30	Effects of manganese(VI) oxide on polyacrylonitrile-based activated carbon nanofibers (ACNFs) and its preliminary study for adsorption of lead(II) ions. *Emergent Materials*, **2018**, 1, 89-94	3.5	13

29	Hybrid membrane filtration-advanced oxidation processes for removal of pharmaceutical residue. *Journal of Colloid and Interface Science*, **2018**, 532, 236-260	9.3	98
28	Effect of heating rates on the microstructure and gas permeation properties of carbon membranes. *Malaysian Journal of Fundamental and Applied Sciences*, **2018**, 14, 378-381	2.1	2
27	Enhancement in photocatalytic degradation of methylene blue by LaFeO3-GO integrated photocatalyst-adsorbents under visible light irradiation. *Korean Journal of Chemical Engineering*, **2018**, 35, 548-556	2.8	18
26	Photocatalytic degradation of phenol over visible light active ZnO/Ag2CO3/Ag2O nanocomposites heterojunction. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 364, 602-612	4.7	38
25	Physicochemical characterization of cellulose nanocrystal and nanoporous self-assembled CNC membrane derived from Ceiba pentandra. *Carbohydrate Polymers*, **2017**, 157, 1892-1902	10.3	65
24	An overview on cellulose-based material in tailoring bio-hybrid nanostructured photocatalysts for water treatment and renewable energy applications. *International Journal of Biological Macromolecules*, **2017**, 103, 1232-1256	7.9	95
23	Effect of intermediate layer on gas separation performance of disk supported carbon membrane. *Separation Science and Technology*, **2017**, 52, 2137-2149	2.5	14
22	Polyacrylonitrile/magnesium oxide-based activated carbon nanofibers with well-developed microporous structure and their adsorption performance for methane. *Journal of Industrial and Engineering Chemistry*, **2017**, 51, 281-287	6.3	32
21	Carbon tubular membranes from nanocrystalline cellulose blended with P84 co-polyimide for H2 and He separation. *International Journal of Hydrogen Energy*, **2017**, 42, 9952-9957	6.7	33
20	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp **2017**,		5
19	Carbon as amorphous shell and interstitial dopant in mesoporous rutile TiO2: Bio-template assisted sol-gel synthesis and photocatalytic activity. *Applied Surface Science*, **2017**, 393, 46-59	6.7	79
18	Preparation and characterization of low cost porous ceramic membrane support from kaolin using phase inversion/sintering technique for gas separation: Effect of kaolin content and non-solvent coagulant bath. *Chemical Engineering Research and Design*, **2016**, 112, 24-35	5.5	35
17	The Utilization of Recycled Newspaper in the Production of Cellulose Microfiber. *Advanced Materials Research*, **2016**, 1133, 644-648	0.5	5
16	Regenerated cellulose membrane as bio-template for in-situ growth of visible-light driven C-modified mesoporous titania. *Carbohydrate Polymers*, **2016**, 146, 166-73	10.3	54
15	ELECTROSPUN NANOFIBER-COATED MEMBRANE: A REVIEW. *Jurnal Teknologi (Sciences and Engineering)*, **2016**, 78,	1.2	1
14	Preparation of polyacrylnitrile (PAN)/ Manganese oxide based activated carbon nanofibers (ACNFs) for adsorption of Cadmium (II) from aqueous solution. *IOP Conference Series: Earth and Environmental Science*, **2016**, 36, 012051	0.3	
13	Incorporation of N-doped TiO2 nanorods in regenerated cellulose thin films fabricated from recycled newspaper as a green portable photocatalyst. *Carbohydrate Polymers*, **2015**, 133, 429-37	10.3	68
12	Physicochemical properties of ‘green’ nanocrystalline cellulose isolated from recycled newspaper. *RSC Advances*, **2015**, 5, 29842-29849	3.7	100

11	Matrimid-based carbon tubular membrane: Effect of carbonization environment. *Journal of Industrial and Engineering Chemistry*, **2015**, 32, 167-171	6.3	30
10	Feasibility of recycled newspaper as cellulose source for regenerated cellulose membrane fabrication. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	36
9	Matrimid-based carbon tubular membranes: The effect of the polymer composition. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	13
8	Photodegradation of phenol by N-Doped TiO2 anatase/rutile nanorods assembled microsphere under UV and visible light irradiation. *Materials Chemistry and Physics*, **2015**, 162, 113-123	4.4	47
7	Structural characterization of N-doped anatase□rutile mixed phase TiO2 nanorods assembled microspheres synthesized by simple sol□gel method. *Journal of Sol-Gel Science and Technology*, **2015**, 74, 513-520	2.3	30
6	Efficient reduction of graphene oxide nanosheets using Na2C2O4 as a reducing agent. *Functional Materials Letters*, **2015**, 08, 1550026	1.2	5
5	Preparation and Photocatalytic Activity of Mixed Phase Anatase/rutile TiO2 Nanoparticles for Phenol Degradation. *Jurnal Teknologi (Sciences and Engineering)*, **2014**, 70,	1.2	3
4	Effect of stabilization temperature on gas permeation properties of carbon hollow fiber membrane. *Journal of Applied Polymer Science*, **2013**, 127, 2840-2846	2.9	14
3	Effect of Stabilization Condition on PEI/PVP-Based Carbon Hollow Fiber Membranes Properties. *Separation Science and Technology*, **2013**, 48, 1030-1039	2.5	20
2	Fabrication and characterization of PEI/PVP-based carbon hollow fiber membranes for CO2/CH4 and CO2/N2 separation. *AICHE Journal*, **2012**, 58, 3167-3175	3.6	29
1	Precursor Selection and Process Conditions in the Preparation of Carbon Membrane for Gas Separation: A Review. *Separation and Purification Reviews*, **2011**, 40, 261-311	7.3	123