Wan Norharyati Wan Salleh

List of Publications by Year
in descending order

85 papers	2,683 citations	172386 29 h-index	189801 50 g-index
87 all docs	87 docs citations	87 times ranked	2876 citing authors

#	Article	IF	Citations
1	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. Chemosphere, 2020, 248, 126008.	4.2	261
2	New Perspectives on Fuel Cell Technology: A Brief Review. Membranes, 2020, 10, 99.	1.4	175
3	Hybrid membrane filtration-advanced oxidation processes for removal of pharmaceutical residue. Journal of Colloid and Interface Science, 2018, 532, 236-260.	5.0	164
4	Precursor Selection and Process Conditions in the Preparation of Carbon Membrane for Gas Separation: A Review. Separation and Purification Reviews, 2011, 40, 261-311.	2.8	151
5	Physicochemical properties of â€œgreenâ€•nanocrystalline cellulose isolated from recycled newspaper. RSC Advances, 2015, 5, 29842-29849.	1.7	132
6	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.	3.6	131
7	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.	3.1	92
8	Incorporation of N-doped TiO2 nanorods in regenerated cellulose thin films fabricated from recycled newspaper as a green portable photocatalyst. Carbohydrate Polymers, 2015, 133, 429-437.	5.1	85
9	Physicochemical characterization of cellulose nanocrystal and nanoporous self-assembled CNC membrane derived from Ceiba pentandra. Carbohydrate Polymers, 2017, 157, 1892-1902.	5.1	85
10	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.	3.9	71
11	Regenerated cellulose membrane as bio-template for in-situ growth of visible-light driven C-modified mesoporous titania. Carbohydrate Polymers, 2016, 146, 166-173.	5.1	63
12	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.	2.0	54
13	Feasibility of recycled newspaper as cellulose source for regenerated cellulose membrane fabrication. Journal of Applied Polymer Science, 2015, 132, .	1.3	51
14	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. Chemosphere, 2018, 204, 79-86.	4.2	51
15	Photocatalytic degradation of phenol over visible light active ZnO/Ag2CO3/Ag2O nanocomposites heterojunction. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 602-612.	2.0	49
16	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.	2.7	47
17	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.	3.8	46
18	Superwetting materials for hydrophilic-oleophobic membrane in oily wastewater treatment. Journal of Environmental Management, 2021, 290, 112565.	3.8	45

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19	Disk supported carbon membrane via spray coating method: Effect of carbonization temperature and atmosphere. Separation and Purification Technology, 2018, 195, 295-304.	3.9	44
20	Fabrication and characterization of PEI/PVPâ€based carbon hollow fiber membranes for CO₂/CH₄ and CO₂/N₂ separation. AICHE Journal, 2012, 58, 3167-3175.	1.8	41
21	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.	2.9	41
22	Electrospun Nanofibers Embedding ZnO/Ag2CO3/Ag2O Heterojunction Photocatalyst with Enhanced Photocatalytic Activity. Catalysts, 2019, 9, 565.	1.6	40
23	Matrimid-based carbon tubular membrane: Effect of carbonization environment. Journal of Industrial and Engineering Chemistry, 2015, 32, 167-171.	2.9	39
24	Adsorption Behavior of Chromium(VI) onto Regenerated Cellulose Membrane. Industrial & Engineering Chemistry Research, 2019, 58, 720-728.	1.8	38
25	Membranes for hydrogen separation: a significant review. International Journal of Advanced Manufacturing Technology, 2020, 107, 1859-1881.	1.5	38
26	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.	2.9	37
27	Review on tungsten trioxide as a photocatalysts for degradation of recalcitrant pollutants. Journal of Cleaner Production, 2021, 309, 127438.	4.6	37
28	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.	3.9	33
29	Structural characterization of N-doped anataseâ€“rutile mixed phase TiO2 nanorods assembled microspheres synthesized by simple solâ€“gel method. Journal of Sol-Gel Science and Technology, 2015, 74, 513-520.	1.1	32
30	Exploiting pyrolysis protocols on BTDAâ€TDI/MDI (P84) polyimide/nanocrystalline cellulose carbon membrane for gas separations. Journal of Applied Polymer Science, 2019, 136, 46901.	1.3	28
31	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.	1.2	26
32	Effect of Stabilization Condition on PEI/PVP-Based Carbon Hollow Fiber Membranes Properties. Separation Science and Technology, 2013, 48, 1030-1039.	1.3	25
33	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.	3.8	25
34	Effect of stabilization temperature on gas permeation properties of carbon hollow fiber membrane. Journal of Applied Polymer Science, 2013, 127, 2840-2846.	1.3	20
35	P84/ZCC Hollow Fiber Mixed Matrix Membrane with PDMS Coating to Enhance Air Separation Performance. Membranes, 2020, 10, 267.	1.4	20
36	Development of a P84/ZCC Composite Carbon Membrane for Gas Separation of H₂/CO₂ and H₂/CH₄. ACS Omega, 2021, 6, 15637-15650.	1.6	20

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37	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	1.4	19
38	Effect of intermediate layer on gas separation performance of disk supported carbon membrane. Separation Science and Technology, 2017, 52, 2137-2149.	1.3	18
39	Ibuprofen removal through photocatalytic filtration using antifouling PVDF- ZnO/Ag2CO3/Ag2O nanocomposite membrane. Materials Today: Proceedings, 2021, 42, 69-74.	0.9	18
40	Pb(II) removal and its adsorption from aqueous solution using zinc oxide/graphene oxide composite. Chemical Engineering Communications, 2021, 208, 646-660.	1.5	18
41	Matrimidâ€based carbon tubular membranes: The effect of the polymer composition. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
42	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.	3.2	17
43	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.	1.8	15
44	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.	3.3	15
45	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.	0.3	14
46	PVDF/HMO ultrafiltration membrane for efficient oil/water separation. Chemical Engineering Communications, 2021, 208, 463-473.	1.5	13
47	A short review on polymeric materials concerning degradable polymers. IOP Conference Series: Materials Science and Engineering, 2020, 788, 012047.	0.3	12
48	P84/Zeolite-Carbon Composite Mixed Matrix Membrane for CO₂/CH₄ Separation. Indonesian Journal of Chemistry, 2019, 19, 650.	0.3	11
49	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. Catalysts, 2022, 12, 209.	1.6	11
50	Efficient reduction of graphene oxide nanosheets using Na₂C₂O₄ as a reducing agent. Functional Materials Letters, 2015, 08, 1550026.	0.7	10
51	A brief review on carbon selective membranes from polymer blends for gas separation performance. Reviews in Chemical Engineering, 2021, 37, 339-362.	2.3	10
52	Novel Activated Carbon Nanofibers Composited with Cost-Effective Graphene-Based Materials for Enhanced Adsorption Performance toward Methane. Polymers, 2020, 12, 2064.	2.0	9
53	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.	1.7	9
54	Simple Method to Enhance O2/N2 Separation on P84 co-polyimide Hollow Fiber Membrane. IOP Conference Series: Materials Science and Engineering, 2019, 546, 042042.	0.3	8

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55	Preparation and characterization of polyacrylonitrile-based activated carbon nanofibers/graphene (gACNFs) composite synthesized by electrospinning. AIP Advances, 2020, 10, 055117.	0.6	8
56	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.	0.9	8
57	Incorporation of thermally labile additives in polyimide carbon membrane for hydrogen separation. International Journal of Hydrogen Energy, 2021, 46, 24855-24863.	3.8	7
58	Enhanced performance of lanthanum orthoferrite/chitosan nanocomposites for adsorptive photocatalytic removal of Reactive Black 5. Korean Journal of Chemical Engineering, 2021, 38, 1648-1659.	1.2	7
59	The Utilization of Recycled Newspaper in the Production of Cellulose Microfiber. Advanced Materials Research, 2016, 1133, 644-648.	0.3	6
60	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp. AIP Conference Proceedings, 2017, , .	0.3	6
61	Surface functionalization of poly(vinylidene fluoride) membrane by radiationâ€induced emulsion polymerization of hydroxyethyl acrylates in an aqueous medium. Journal of Applied Polymer Science, 2021, 138, 50307.	1.3	6
62	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.	0.4	6
63	Palm oil mill effluent treatment using tungsten trioxide: Adsorption and photocatalytic degradation. Materials Today: Proceedings, 2021, 42, 22-27.	0.9	5
64	The utilization of micro-mesoporous carbon-based filler in the P84 hollow fibre membrane for gas separation. Royal Society Open Science, 2021, 8, 201150.	1.1	5
65	Incorporation of layered double nanomaterials in thin film nanocomposite nanofiltration membrane for magnesium sulphate removal. E3S Web of Conferences, 2018, 34, 02003.	0.2	4
66	Preparation and Photocatalytic Activity of Mixed Phase Anatase/rutile TiO2 Nanoparticles for Phenol Degradation. Jurnal Teknologi (Sciences and Engineering), 2014, 70, .	0.3	3
67	PI/NCC Carbon Membrane: Effect of Additives loading Towards Hydrogen Separation. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022002.	0.3	3
68	PI/NCC- based carbon molecular sieve membranes for Hydrogen purification: Effect of aging times. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022003.	0.3	3
69	Oxygen separation through p84 copolyimide/nanocrystalline cellulose carbon membrane: Impact of heating rates. Chemical Engineering Communications, 2021, 208, 442-452.	1.5	3
70	Effect of various operating parameters towards PVDF/HMO mixed matrix membrane performance. Journal of Environmental Chemical Engineering, 2021, 9, 105667.	3.3	3
71	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.	1.2	3
72	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.	0.4	3

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73	N2/CH4 separation behavior at elevated temperature on P84 hollow fiber carbon membrane. Materials Today: Proceedings, 2022, , .	0.9	3
74	The influence of coating-carbonization cycles toward P84 co-polyimide/nanocrystalline cellulose. Comptes Rendus Chimie, 2019, 22, 779-785.	0.2	2
75	Development of Free-Standing Titanium Dioxide Hollow Nanofibers Photocatalyst with Enhanced Recyclability. Membranes, 2022, 12, 342.	1.4	2
76	ELECTROSPUN NANOFIBER-COATED MEMBRANE: A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
77	Synthesis, Characterization and Adsorption Properties of Grafted Cellulose for Cr (VI) Removal. Materials Today: Proceedings, 2019, 19, 1777-1786.	0.9	1
78	Modified recycled paper-based adsorbent for nickel removal. IOP Conference Series: Materials Science and Engineering, 2020, 736, 072001.	0.3	1
79	Synthetic polymer-based membranes for hydrogen separation. , 2020, , 273-292.		1
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.	0.3	1
81	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.	0.2	0
82	Microporous Carbon Membrane: Preparation, Characterization, and Applications. , 2019, , 1-38.		0
83	PI/NCC Carbon Membrane: Effect of Heating Rates Towards Oxygen Separation Performance. IOP Conference Series: Materials Science and Engineering, 2020, 736, 022009.	0.3	0
84	Nanocellulose-Based Materials for Heavy Metal Removal from Wastewater. Environmental Chemistry for A Sustainable World, 2021, , 1-34.	0.3	0
85	EFFECT OF P84 (BTDA-TDI/MDI) COMPOSITION TOWARDS THE PERFORMANCE OF THE DISK SUPPORTED CARBON MEMBRANE. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	0