

# Hasrinah Hasbullah

## List of Publications by Citations

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**Version:** 2024-04-23

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55  
papers

707  
citations

14  
h-index

26  
g-index

59  
ext. papers

933  
ext. citations

3.6  
avg, IF

4.22  
L-index

#	Paper	IF	Citations
55	Hydrophilic polymer-based membrane for oily wastewater treatment: A review. <i>Separation and Purification Technology</i> , <b>2020</b> , 233, 116007	8.3	144
54	Thermogravimetric catalytic pyrolysis and kinetic studies of coconut copra and rice husk for possible maximum production of pyrolysis oil. <i>Journal of Cleaner Production</i> , <b>2017</b> , 167, 218-228	10.3	89
53	Antifouling polyethersulfone hemodialysis membranes incorporated with poly (citric acid) polymerized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , <b>2016</b> , 68, 540-550	8.3	45
52	Development of biocompatible and safe polyethersulfone hemodialysis membrane incorporated with functionalized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , <b>2017</b> , 77, 572-582	8.3	40
51	Preparation of polyaniline asymmetric hollow fiber membranes and investigation towards gas separation performance. <i>Journal of Membrane Science</i> , <b>2011</b> , 366, 116-124	9.6	38
50	Catalytic upgrading of sugarcane bagasse pyrolysis vapours over rare earth metal (Ce) loaded HZSM-5: Effect of catalyst to biomass ratio on the organic compounds in pyrolysis oil. <i>Applied Energy</i> , <b>2018</b> , 220, 787-799	10.7	36
49	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , <b>2018</b> , 201, 257-263	10.3	36
48	Polyacrylonitrile/magnesium oxide-based activated carbon nanofibers with well-developed microporous structure and their adsorption performance for methane. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 51, 281-287	6.3	32
47	Catalytic upgrading of pyrolysis vapours over metal modified HZSM-5 via in-situ pyrolysis of sugarcane bagasse: Effect of nickel to cerium ratio on HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , <b>2018</b> , 134, 309-325	6	29
46	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , <b>2017</b> , 66, 1424-1429	3.3	17
45	Investigation on the effect of spinning conditions on the properties of hollow fiber membrane for hemodialysis application. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	17
44	Synthesis and characterisation of composite sulphonated polyurethane/polyethersulphone membrane for blood purification application. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 491-504	8.3	15
43	Investigation of oil Palm Wastes Pyrolysis by Thermo-gravimetric Analyzer for Potential Biofuel Production. <i>Energy Procedia</i> , <b>2015</b> , 75, 78-83	2.3	15
42	Facile modification of polysulfone hollow-fiber membranes via the incorporation of well-dispersed iron oxide nanoparticles for protein purification. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47502	2.9	14
41	Hemocompatibility evaluation of poly(1,8-octanediol citrate) blend polyethersulfone membranes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2017</b> , 105, 1510-1520	5.4	12
40	Preparation and characterization of polylactic acid-modified polyvinylidene fluoride hollow fiber membranes with enhanced water flux and antifouling resistance. <i>Journal of Water Process Engineering</i> , <b>2019</b> , 32, 100912	6.7	12
39	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. <i>Separation and Purification Technology</i> , <b>2020</b> , 236, 116216	8.3	12

38	Effect of stabilization temperature during pyrolysis process of P84 co-polyimide-based tubular carbon membrane for H <sub>2</sub> /N <sub>2</sub> and He/N <sub>2</sub> separations. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 342, 012027	0.4	10
37	Asymmetric hollow fibre membranes based on ring-substituted polyaniline and investigation towards its gas transport properties. <i>Journal of Membrane Science</i> , <b>2012</b> , 397-398, 38-50	9.6	10
36	Catalytic pyrolysis of sugarcane bagasse using molybdenum modified HZSM-5 zeolite. <i>Energy Procedia</i> , <b>2017</b> , 142, 793-800	2.3	10
35	Iron oxide nanoparticles improved biocompatibility and removal of middle molecule uremic toxin of polysulfone hollow fiber membranes. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 48234	2.9	9
34	Synthesis and characterization of mixed matrix membranes incorporated with hydrous manganese oxide nanoparticles for highly concentrated oily solution treatment. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 1612-1619	2.3	9
33	Study on the effect of spinning conditions on the performance of PSf/PVP ultrafiltration hollow fiber membrane. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2018</b> , 14, 343-347	2.1	7
32	Co-Adsorptive Removal of Creatinine and Urea by a Three-Component Dual-Layer Hollow Fiber Membrane. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33276-33287	9.5	5
31	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp <b>2017</b> ,		5
30	Catalytic upgrading of biomass-derived pyrolysis vapour over metal-modified HZSM-5 into BTX: a comprehensive review. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	4
29	Enhanced adsorption and biocompatibility of polysulfone hollow fibre membrane via the addition of silica/alpha-mangostin hybrid nanoparticle for uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106141	6.8	4
28	Catalytic pyrolysis of sugarcane bagasse over cerium (rare earth) loaded HZSM-5 zeolite. <i>Energy Procedia</i> , <b>2017</b> , 142, 801-808	2.3	3
27	Thermal Characterization of Malaysian Biomass via Thermogravimetric Analysis <b>2018</b> , 1,		3
26	Polysulfone hemodialysis membrane incorporated with Fe <sub>2</sub> O <sub>3</sub> for enhanced removal of middle molecular weight uremic toxin. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , <b>2020</b> , 16, 1-5	2.1	3
25	Antioxidant and antithrombotic study of novel chitosan-diallyl disulfide inclusion complexes nanoparticles for hemodialysis applications. <i>Reactive and Functional Polymers</i> , <b>2021</b> , 163, 104894	4.6	3
24	Nanoengineered Materials for Water and Wastewater Treatments <b>2019</b> , 303-335		3
23	Effect of Solvent Evaporation Time on CO <sub>2</sub> /CH <sub>4</sub> Gas Performance for Poly(Lactic) Acid Membranes. <i>Advanced Materials Research</i> , <b>2015</b> , 1113, 660-666	0.5	2
22	In situ catalytic upgrading of oxygenated pyrolysis vapours from pyrolysis of sugarcane bagasse over metal oxides loaded HZSM-5. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	2
21	Optimizing the catalytic performance of Ni-Ce/HZSM-5 catalyst for enriched C <sub>6</sub> -C <sub>8</sub> hydrocarbons in pyrolysis oil via response surface methodology. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	2

20	Metal Organic Framework in Membrane Separation for Wastewater Treatment: Potential and Way Forward. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 6109-6130	2.5	2
19	Hemodialysis Membrane for Blood Purification Process <b>2019</b> , 283-314		2
18	Gas Permeation Study of Carbon Tubular Membrane by Manipulating Carbonization Temperature Profile. <i>Advanced Materials Research</i> , <b>2015</b> , 1112, 145-148	0.5	1
17	Effects of Stabilization Temperature on the Chemical and the Physical Properties of Polyacrylonitrile Stabilized Fibers. <i>Advanced Materials Research</i> , <b>2015</b> , 1112, 402-405	0.5	1
16	ELECTROSPUN NANOFIBER-COATED MEMBRANE: A REVIEW. <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2016</b> , 78,	1.2	1
15	Synthesis, Characterization and Adsorption Properties of Grafted Cellulose for Cr (VI) Removal. <i>Materials Today: Proceedings</i> , <b>2019</b> , 19, 1777-1786	1.4	1
14	Effect of Particle Size and Temperature on Pyrolysis of Palm Kernel Shell. <i>International Journal of Engineering and Technology(UAE)</i> , <b>2018</b> , 7, 118	0.8	1
13	Effect of air gap distance of PSF/IONPs/ALG hollow fiber membrane on morphology and antifouling properties. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 1929-1933	1.4	1
12	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106878	6.8	0
11	Nanofiber Electrospun Membrane Based on Biodegradable Polymers for Biomedical and Tissue Engineering Application <b>2019</b> , 37-55		0
10	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. <i>Journal of Applied Polymer Science</i> , 51661	2.9	0
9	Effect of Plasticizers on Tapioca Starch-Based Biofilms via Blown Film Extrusion Process. <i>Advanced Materials Research</i> , <b>2015</b> , 1113, 539-544	0.5	
8	Synthetic polymer-based membranes for treatment of oily wastewater <b>2020</b> , 3-22		
7	Self-Cleaning and Hydrophobic Pineapple Peel Fibre based Biocomposite. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1447, 012038	0.3	
6	Preliminary study on gas separation performance of flat sheet mixed matrix (PVDF/Zeolite). <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 342, 012073	0.4	
5	Biofilm Green Packaging: Characterization and Biodegradation Studies. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 606, 67-71	0.3	
4	Morphological Investigation of Alumina Asymmetric Membrane by Manipulating the Sintering Temperature Profile. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 606, 205-209	0.3	
3	Hydrophilically Modified Poly(vinylidene fluoride) Membrane for Removal of Methylene Blue Dye. <i>Journal of Computational and Theoretical Nanoscience</i> , <b>2020</b> , 17, 1499-1502	0.3	

- 2 Potential of Polysulfone/Polydimethyl Siloxane Thin Film Composite (PSf-PDMS-TFC) Membrane for CO<sub>2</sub>/N<sub>2</sub> Gas Separation. *IOP Conference Series: Materials Science and Engineering*, **2018**, 440, 012014 <sup>0.4</sup>
- 1 Effects of crosslinking and thermal annealing modifications on the performance of nanohybrid PSf-ZnO membranes for the treatment of raw and ozonated petroleum refinery wastewater. *Journal of Environmental Chemical Engineering*, **2021**, 9, 106200 6.8