

Hasrinah Hasbullah

List of Publications by Year in descending order

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59
papers

1,165
citations

471061

17
h-index

395343

33
g-index

59
all docs

59
docs citations

59
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophilic polymer-based membrane for oily wastewater treatment: A review. Separation and Purification Technology, 2020, 233, 116007.	3.9	279
2	Thermogravimetric catalytic pyrolysis and kinetic studies of coconut copra and rice husk for possible maximum production of pyrolysis oil. Journal of Cleaner Production, 2017, 167, 218-228.	4.6	137
3	Antifouling polyethersulfone hemodialysis membranes incorporated with poly (citric acid) polymerized multi-walled carbon nanotubes. Materials Science and Engineering C, 2016, 68, 540-550.	3.8	62
4	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. Applied Energy, 2018, 220, 787-799.	5.1	58
5	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. Carbohydrate Polymers, 2018, 201, 257-263.	5.1	57
6	Development of biocompatible and safe polyethersulfone hemodialysis membrane incorporated with functionalized multi-walled carbon nanotubes. Materials Science and Engineering C, 2017, 77, 572-582.	3.8	52
7	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. Journal of Analytical and Applied Pyrolysis, 2018, 134, 309-325.	2.6	43
8	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
9	Preparation of polyaniline asymmetric hollow fiber membranes and investigation towards gas separation performance. Journal of Membrane Science, 2011, 366, 116-124.	4.1	39
10	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. Polymer International, 2017, 66, 1424-1429.	1.6	29
11	Synthesis and characterisation of composite sulphonated polyurethane/polyethersulphone membrane for blood purification application. Materials Science and Engineering C, 2019, 99, 491-504.	3.8	27
12	Investigation on the effect of spinning conditions on the properties of hollow fiber membrane for hemodialysis application. Journal of Applied Polymer Science, 2016, 133, .	1.3	23
13	Preparation and characterization of polylactic acid-modified polyvinylidene fluoride hollow fiber membranes with enhanced water flux and antifouling resistance. Journal of Water Process Engineering, 2019, 32, 100912.	2.6	23
14	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. Separation and Purification Technology, 2020, 236, 116216.	3.9	22
15	Hemocompatibility evaluation of poly(1,8-octanediol citrate) blend polyethersulfone membranes. Journal of Biomedical Materials Research - Part A, 2017, 105, 1510-1520.	2.1	21
16	Facile modification of polysulfone hollow fiber membranes via the incorporation of well-dispersed iron oxide nanoparticles for protein purification. Journal of Applied Polymer Science, 2019, 136, 47502.	1.3	21
17	Catalytic upgrading of biomass-derived pyrolysis vapour over metal-modified HZSM-5 into BTX: a comprehensive review. Biomass Conversion and Biorefinery, 2022, 12, 1911-1938.	2.9	21
18	Investigation of oil Palm Wastes™ Pyrolysis by Thermo-gravimetric Analyzer for Potential Biofuel Production. Energy Procedia, 2015, 75, 78-83.	1.8	16

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19	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> , 2018, 14, 343-347.	0.4	16
20	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> , 2018, 96, 1612-1619.	0.9	15
21	Co-Adsorptive Removal of Creatinine and Urea by a Three-Component Dual-Layer Hollow Fiber Membrane. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33276-33287.	4.0	15
22	Effect of stabilization temperature during pyrolysis process of P84 co-polyimide-based tubular carbon membrane for H ₂ /N ₂ and He/N ₂ separations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 342, 012027.	0.3	14
23	Iron oxide nanoparticles improved biocompatibility and removal of middle molecule uremic toxin of polysulfone hollow fiber membranes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48234.	1.3	14
24	Catalytic pyrolysis of sugarcane bagasse using molybdenum modified HZSM-5 zeolite. <i>Energy Procedia</i> , 2017, 142, 793-800.	1.8	12
25	Asymmetric hollow fibre membranes based on ring-substituted polyaniline and investigation towards its gas transport properties. <i>Journal of Membrane Science</i> , 2012, 397-398, 38-50.	4.1	11
26	Metal Organic Framework in Membrane Separation for Wastewater Treatment: Potential and Way Forward. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6109-6130.	1.7	10
27	Antioxidant and antithrombotic study of novel chitosan-diallyl disulfide inclusion complexes nanoparticles for hemodialysis applications. <i>Reactive and Functional Polymers</i> , 2021, 163, 104894.	2.0	10
28	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51661.	1.3	9
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> , 2021, 9, 106141.	3.3	7
30	Graft copolymerization of acrylonitrile onto recycled newspapers cellulose pulp. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
31	Polysulfone hemodialysis membrane incorporated with Fe ₂ O ₃ for enhanced removal of middle molecular weight uremic toxin. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2020, 16, 1-5.	0.4	6
32	Effect of Particle Size and Temperature on Pyrolysis of Palm Kernel Shell. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 118.	0.2	5
33	Optimizing the catalytic performance of Ni-Ce/HZSM-5 catalyst for enriched C ₆ -C ₈ hydrocarbons in pyrolysis oil via response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8603-8613.	2.9	5
34	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> , 2023, 13, 8615-8628.	2.9	5
35	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106878.	3.3	5
36	Catalytic pyrolysis of sugarcane bagasse over cerium (rare earth) loaded HZSM-5 zeolite. <i>Energy Procedia</i> , 2017, 142, 801-808.	1.8	4

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37	Hemodialysis Membrane for Blood Purification Process. , 2019, , 283-314.		4
38	Nanoengineered Materials for Water and Wastewater Treatments. , 2019, , 303-335.		3
39	Thermal Characterization of Malaysian Biomass via Thermogravimetric Analysis. Journal of Energy and Safety Technology (JEST), 2018, 1, .	0.1	3
40	Effects of Stabilization Temperature on the Chemical and the Physical Properties of Polyacrylonitrile Stabilized Fibers. Advanced Materials Research, 2015, 1112, 402-405.	0.3	2
41	Effect of Solvent Evaporation Time on CO ₂ /CH ₄ Gas Performance for Poly(Lactic) Acid Membranes. Advanced Materials Research, 0, 1113, 660-666.	0.3	2
42	Effect of air gap distance of PSF/IONPs/ALG hollow fiber membrane on morphology and antifouling properties. Materials Today: Proceedings, 2021, 46, 1929-1933.	0.9	2
43	Effect of Plasticizers on Tapioca Starch-Based Biofilms via Blown Film Extrusion Process. Advanced Materials Research, 2015, 1113, 539-544.	0.3	1
44	Gas Permeation Study of Carbon Tubular Membrane by Manipulating Carbonization Temperature Profile. Advanced Materials Research, 2015, 1112, 145-148.	0.3	1
45	ELECTROSPUN NANOFIBER-COATED MEMBRANE: A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
46	Preliminary study on gas separation performance of flat sheet mixed matrix (PVDF/Zeolite). IOP Conference Series: Materials Science and Engineering, 2018, 342, 012073.	0.3	1
47	Synthesis, Characterization and Adsorption Properties of Grafted Cellulose for Cr (VI) Removal. Materials Today: Proceedings, 2019, 19, 1777-1786.	0.9	1
48	Synthetic polymer-based membranes for treatment of oily wastewater. , 2020, , 3-22.		1
49	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.	3.3	1
50	Nanofiber Electrospun Membrane Based on Biodegradable Polymers for Biomedical and Tissue Engineering Application. , 2019, , 37-55.		1
51	Simultaneous Photocatalytic and Membrane Filtration Using Graphene Oxide (Go)/SiO ₂ Composite for Enhanced Removal of Organic Pollutant and Ammonia from Natural Rubber-Laden Wastewater. SSRN Electronic Journal, 0, , .	0.4	1
52	Biofilm Green Packaging: Characterization and Biodegradation Studies. Applied Mechanics and Materials, 2014, 606, 67-71.	0.2	0
53	Morphological Investigation of Alumina Asymmetric Membrane by Manipulating the Sintering Temperature Profile. Applied Mechanics and Materials, 0, 606, 205-209.	0.2	0
54	Potential of Polysulfone/Polydimethyl Siloxane Thin Film Composite (PSf-PDMS-TFC) Membrane for CO ₂ /N ₂ Gas Separation. IOP Conference Series: Materials Science and Engineering, 2018, 440, 012014.	0.3	0

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55	Studies on blow ability of cassava starch-LDPE composite using glycerol and palm olein as plasticizer for green biofilm production. AIP Conference Proceedings, 2018, , .	0.3	0
56	Self-Cleaning and Hydrophobic Pineapple Peel Fibre based Biocomposite. Journal of Physics: Conference Series, 2020, 1447, 012038.	0.3	0
57	Hydrophilically Modified Poly(vinylidene fluoride) Membrane for Removal of Methylene Blue Dye. Journal of Computational and Theoretical Nanoscience, 2020, 17, 1499-1502.	0.4	0
58	Thermogravimetric Kinetics of Catalytic Pyrolysis of Sugarcane Bagasse over Nickel-Cerium/HZSM-5 Catalyst. Journal of Islam in Asia, 2020, 64, 1-17.	0.2	0
59	Photocatalytic Antifouling Nanohybrid Polysulfone Membrane Using the Synergetic Effect of Graphene Oxide and SiO ₂ for Effective Treatment of Natural Rubber-Laden Wastewater. SSRN Electronic Journal, 0, , .	0.4	0