Nur Hashimah Alias

List of Publications by Year
in descending order

85 papers	1,326 citations	489802 18 h-index	425179 34 g-index
85 all docs	85 docs citations	85 times ranked	1389 citing authors

#	Article	IF	Citations
1	Bisphenol A Adsorption from Aqueous Solution Using Graphene Oxide-Alginate Beads. Journal of Polymers and the Environment, 2022, 30, 597-612.	2.4	9
2	Fabrication of MoS2â€“rGO and MoS2â€“ZIF-8 membranes supported on flat alumina substrate for effective oil removal. Emergent Materials, 2022, 5, 1169-1182.	3.2	6
3	A Review of Titanium Dioxide (TiO2)-Based Photocatalyst for Oilfield-Produced Water Treatment. Membranes, 2022, 12, 345.	1.4	83
4	Recent Mitigation Strategies on Membrane Fouling for Oily Wastewater Treatment. Membranes, 2022, 12, 26.	1.4	20
5	A Review on the Use of Membrane Technology Systems in Developing Countries. Membranes, 2022, 12, 30.	1.4	37
6	A Review on the Design and Performance of Enzyme-Aided Catalysis of Carbon Dioxide in Membrane, Electrochemical Cell and Photocatalytic Reactors. Membranes, 2022, 12, 28.	1.4	3
7	Sustainable membranes with functionalized nanomaterials (FNMs) for environmental applications. , 2022, , 185-203.		0
8	Assessment of contaminants in sand production from petroleum wells offshore Sabah. Environmental Science and Pollution Research, 2022, , 1.	2.7	1
9	A review on process design and bilayer electrolyte materials of bipolar membrane fuel cell. International Journal of Energy Research, 2022, 46, 11620-11639.	2.2	4
10	Sustainability Challenges and Future Perspectives of Biopolymer. Springer Series on Polymer and Composite Materials, 2022, , 373-389.	0.5	2
11	Self-cleaning and anti-fouling superhydrophobic hierarchical ceramic surface synthesized from hydrothermal and fluorination methods. Applied Surface Science, 2022, 598, 153702.	3.1	17
12	Recent development of graphene oxide-based membranes for oilâ€“water separation: A review. Separation and Purification Technology, 2021, 258, 118000.	3.9	80
13	Green one-pot synthesis and characterisation of hybrid reduced graphene oxide/zeolitic imidazole framework-8 (rGO/ZIF-8). Journal of the Iranian Chemical Society, 2021, 18, 363-373.	1.2	8
14	Composite perovskite-based material for chemical-looping steam methane reforming to hydrogen and syngas. , 2021, , 315-333.		0
15	Biocatalytic Reduction of Formaldehyde to Methanol: Effect of pH on Enzyme Immobilization and Reactive Membrane Performance. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 472-480.	0.5	2
16	Exploring the effect of ultrasonic power, frequency, and load toward remediation of oil-contaminated beach and oilfield sands using ANOVA. Environmental Science and Pollution Research, 2021, 28, 58081-58091.	2.7	6
17	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	1.4	19
18	Development of hydrophobic polymethylhydrosiloxane/tetraethylorthosilicate (PMHS/TEOS) hybrid coating on ceramic membrane for desalination via membrane distillation. Journal of Membrane Science, 2021, 637, 119609.	4.1	17

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19	A review on photothermal material and its usage in the development of photothermal membrane for sustainable clean water production. Desalination, 2021, 517, 115259.	4.0	100
20	Design and characterization of ceramic hollow fiber membrane derived from waste ash using phase inversion-based extrusion/sintering technique for water filtration. Journal of Asian Ceramic Societies, 2021, 9, 341-358.	1.0	10
21	Recent Progress on Tailoring and Modification of Membranes for Membrane Distillation: A Review. Journal of Applied Membrane Science & Technology, 2021, 25, 93-117.	0.3	0
22	Efficient removal of partially hydrolysed polyacrylamide in polymer-flooding produced water using photocatalytic graphitic carbon nitride nanofibres. Arabian Journal of Chemistry, 2020, 13, 4341-4349.	2.3	25
23	In situ growth of Î±-Fe2O3 on Al2O3/YSZ hollow fiber membrane for oily wastewater. Separation and Purification Technology, 2020, 236, 116250.	3.9	22
24	Mechanistic insight of the formation of visible-light responsive nanosheet graphitic carbon nitride embedded polyacrylonitrile nanofibres for wastewater treatment. Journal of Water Process Engineering, 2020, 33, 101015.	2.6	23
25	Evaluation of Diffusivity and Wettability of Crude Oil-Contaminated Sand from Offshore Petroleum Facility Prior to Remediation Process. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	5
26	Synthetic polymer-based membranes for the removal of volatile organic compounds from water. , 2020, , 135-157.		4
27	EFFECTS OF PEBAX COATING CONCENTRATIONS ON CO2/CH4 SEPARATION OF RGO/ZIF-8 PES MEMBRANES. Jurnal Teknologi (Sciences and Engineering), 2020, 82, .	0.3	2
28	Photocatalytic materials-based membranes for efficient water treatment. , 2020, , 209-230.		4
29	Fabrication and characterization of graphene oxideâ€“polyethersulfone (GOâ€“PES) composite flat sheet and hollow fiber membranes for oilâ€“water separation. Journal of Chemical Technology and Biotechnology, 2020, 95, 1308-1320.	1.6	49
30	Methane adsorption by porous graphene derived from rice husk ashes under various stabilization temperatures. Carbon Letters, 2020, 30, 535-543.	3.3	26
31	Enhanced omniphobicity of mullite hollow fiber membrane with organosilane-functionalized TiO2 micro-flowers and nanorods layer deposition for desalination using direct contact membrane distillation. Journal of Membrane Science, 2020, 607, 118137.	4.1	41
32	Book Review Nanofiber Membranes for Medical, Environmental, and Energy Applications 1st Edition. Journal of Applied Membrane Science & Technology, 2020, 24, .	0.3	0
33	Fabrication of lanthanum-based perovskites membranes on porous alumina hollow fibre (AHF) substrates for oxygen enrichment. Ceramics International, 2019, 45, 13086-13093.	2.3	7
34	Mixed matrix membranes incorporated with reduced graphene oxide (rGO) and zeolitic imidazole framework-8 (ZIF-8) nanofillers for gas separation. Journal of Solid State Chemistry, 2019, 270, 419-427.	1.4	55
35	Sol-gel-derived perovskite-based sorbents for high-temperature air separation. Journal of Sol-Gel Science and Technology, 2019, 89, 776-784.	1.1	5
36	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. Chemical Engineering Journal, 2019, 360, 1437-1446.	6.6	66

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37	Effect of graphene oxide (GO) and polyvinylpyrollidone (PVP) additives on the hydrophilicity of composite polyethersulfone (PES) membrane. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 361-366.	0.4	20
38	Adsorption kinetics of methylene blue dyes onto magnetic graphene oxide. Journal of Environmental Chemical Engineering, 2018, 6, 2803-2811.	3.3	180
39	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. Chemosphere, 2018, 204, 79-86.	4.2	51
40	In-depth understanding of core-shell nanoarchitecture evolution of g-C3N4@C, N co-doped anatase/rutile: Efficient charge separation and enhanced visible-light photocatalytic performance. Applied Surface Science, 2018, 436, 302-318.	3.1	54
41	Morphological and Filtration Performance Studies of Alumina Disc Membranes. International Journal of Engineering and Technology(UAE), 2018, 7, 223.	0.2	0
42	Demulsification of Crude Oil in Water (O/W) Emulsions using Graphene Oxide. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012023.	0.3	5
43	Preparation of Mixed Ionic Electronic Conducting (MIEC) Membrane Supported on Al2O3 Substrate: Effects of Substrate Morphology. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012057.	0.3	2
44	Effect of Graphene Oxide (GO) on the Surface Morphology & Hydrophilicity of Polyethersulfone (PES). IOP Conference Series: Materials Science and Engineering, 2018, 358, 012047.	0.3	17
45	Effects of temperature on the corrosion behavior of coated carbon steel in 1 wt.% sodium chloride (NaCl) solution. , 2017, , .		0
46	Supported graphene oxide hollow fibre membrane for oily wastewater treatment. AIP Conference Proceedings, 2017, , .	0.3	7
47	Thermal spray coating for corrosion under insulation (CUI) prevention. AIP Conference Proceedings, 2017, , .	0.3	3
48	CATALYTIC SURFACE MODIFICATION OF ALUMINA MEMBRANE FOR OXYGEN SEPARATION. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	0
49	Study of the Effectiveness of Titanium Dioxide (TiO2) nanoparticle in Polyethersulfone (PES) Composite Membrane for Removal of Oil in Oily Wastewater. Journal of Applied Membrane Science & Technology, 2017, 19, .	0.3	5
50	Photocatalytic Degradation of Oil using Polyvinylidene Fluoride/Titanium Dioxide Composite Membrane for Oily Wastewater Treatment. MATEC Web of Conferences, 2016, 69, 05003.	0.1	13
51	The effectiveness Study of Different Membranes in Treating Industrial Wastewater. MATEC Web of Conferences, 2016, 69, 05001.	0.1	1
52	Modified Agro Waste Rice Husk Ash as Adsorbent for Natural Gas Storage System. International Journal of Chemical Engineering and Applications (IJCEA), 2016, 7, 348-352.	0.3	2
53	Kinetic Mechanism on Synthesis of Copper Nanoparticle from Reduction Reaction - Effect of Temperature. Applied Mechanics and Materials, 2015, 754-755, 1012-1016.	0.2	0
54	The Characteristic Study of Oil Palm Kernel Expeller as Lost Circulation Material in Water Based Drilling Mud (WBM). Advanced Materials Research, 2015, 1113, 648-653.	0.3	1

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55	Solubility Determination of Tamarind Seeds Extracts by Using Supercritical CO₂ Extraction. Applied Mechanics and Materials, 2015, 754-755, 1028-1034.	0.2	0
56	Polymer Gelled Technology to Improve Sweep Efficiency in Enhanced Oil Recovery: A Literature Review. Advanced Materials Research, 2015, 1113, 690-694.	0.3	6
57	Characterization of Nanosilica of Tapioca Peel as Adsorbent for Biomethane Storage System. Advanced Materials Research, 2015, 1125, 266-270.	0.3	0
58	Desalination of Produced Water Using Bentonite as Pre-Treatment and Membrane Separation as Main Treatment. Procedia, Social and Behavioral Sciences, 2015, 195, 2094-2100.	0.5	26
59	Effect of Catalyst Concentration on Performance of Hybrid CNT-Carbon Fibre Nanocomposite. Advanced Materials Research, 2014, 974, 15-19.	0.3	2
60	Performance Evaluation of Agarwood Distillation Waste as Retarder for High Strength Oilwell Cement. Applied Mechanics and Materials, 2014, 548-549, 101-105.	0.2	0
61	Optimization of Drying and Extraction Process of Pereskia bleo Leaves in Determining Antioxidant Properties Utilizing Pareto ANOVA. Applied Mechanics and Materials, 2014, 548-549, 96-100.	0.2	0
62	The Use of Response Surface Methodology (RSM) in Experimental Design of Membrane Treatment in Treating PW from Oil and Gas Field. Applied Mechanics and Materials, 2014, 548-549, 206-210.	0.2	0
63	The Viability of Composite Membrane in Treating Produced Water from Oil and Gas Field in Malaysia. Applied Mechanics and Materials, 2014, 598, 33-37.	0.2	0
64	Green Nanoparticle Oil Well Cement from Agro Waste Rice Husk Ash. Advanced Materials Research, 2014, 974, 26-32.	0.3	1
65	Adsorption performance of MCM-41 impregnated with amine for CO2 removal. Fuel Processing Technology, 2013, 106, 332-337.	3.7	89
66	Carbon Dioxide Separation Using Amine Modified Zeolite in Pressure Swing Adsorption System. Key Engineering Materials, 2013, 594-595, 160-167.	0.4	1
67	Potential of Five-Leaved Chaste Tree (<i>Vitex negundo</i> L.) Leaves as Source of Natural Dye from Supercritical Carbon Dioxide (SC-CO₂) Extraction. Key Engineering Materials, 0, 594-595, 207-213.	0.4	1
68	The Effect of Lemongrass as Lost Circulation Material (LCM) to the Filtrate and Filter Cake Formation. Key Engineering Materials, 0, 594-595, 68-72.	0.4	7
69	Gas Lift Optimization of an Oil Field in Malaysia. Advanced Materials Research, 0, 974, 367-372.	0.3	1
70	The Effects of Temperature on Rheology Properties and Filtrate after Using Lemongrass as Lost Circulation Materials for Oil Based Drilling Mud. Advanced Materials Research, 0, 911, 243-247.	0.3	3
71	Rheological Study of Nanosilica Based Drilling Fluid. Applied Mechanics and Materials, 0, 575, 128-133.	0.2	6
72	The Optimum Number of Trays and Solvent Circulation Rate in Removing Acid Gases in Absorption Unit. Applied Mechanics and Materials, 0, 548-549, 83-89.	0.2	0

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73	Potential of Integrated Membrane Bioreactor in Batik Dye Degradation - A Review. Applied Mechanics and Materials, 0, 575, 50-54.	0.2	3
74	<i>Saccharomyces </i><i>cerevisiae</i> from Bakerâ€™s Yeast for Lower Oil Viscosity and Beneficial Metabolite to Improve Oil Recovery: An Overview. Applied Mechanics and Materials, 0, 625, 522-525.	0.2	2
75	Effect of TiO₂ Nanofillers on Mechanical Properties of PVC/ENR/TiO₂ Nanocomposites. Advanced Materials Research, 0, 911, 105-109.	0.3	1
76	Lost Circulation Material Characteristics of Apple Skin Powder in Drilling Mud. Advanced Materials Research, 0, 1119, 564-568.	0.3	2
77	Mobility Investigation of Nanoparticle-Stabilized Carbon Dioxide Foam for Enhanced Oil Recovery (EOR). Advanced Materials Research, 0, 1119, 90-95.	0.3	6
78	Interfacial Tension Dependence on Nanoparticle Surface Modification for Stabilization of CO₂Foam in EOR: An Overview. Advanced Materials Research, 0, 1113, 637-642.	0.3	4
79	Nanoparticles Stabilized Carbon Dioxide Foams in Sandstone and Limestone Reservoir. Advanced Materials Research, 0, 1119, 170-174.	0.3	3
80	Flooding with Biopolymer from Microbes Derived from Mushroom and Cabbage to Enhance Sweep Efficiency in Enhanced Oil Recovery. Advanced Materials Research, 0, 1113, 492-497.	0.3	4
81	Potential of Corn Starch as Fluid Loss Control Agent in Drilling Mud. Applied Mechanics and Materials, 0, 754-755, 682-687.	0.2	18
82	Performance Evaluation of Lightweight Oilwell Cements. Advanced Materials Research, 0, 1119, 657-661.	0.3	2
83	Wettability Modifier for Enhanced Oil Recovery in Carbonate Reservoir: An Overview. Advanced Materials Research, 0, 1113, 643-647.	0.3	0
84	Nanoemulsion: Formation, Characterization, Properties and Applications - A Review. Advanced Materials Research, 0, 1113, 147-152.	0.3	11
85	A Green<i> In Situ</i> Synthesis of Hybrid Graphene-Based Zeolitic Imidazolate Framework-8 Nanofillers Using Recycling Mother Liquor. Key Engineering Materials, 0, 797, 48-54.	0.4	8