Nur Hidayati Othman

List of Publications by Year
in descending order

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		361413	345221
69	1,457	20	36
papers	citations	h-index	g-index

70	70	70	1420
all docs	docs citations	times ranked	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.	5.0	9
2	Principles of reverse electrodialysis and development of integrated-based system for power generation and water treatment: a review. Reviews in Chemical Engineering, 2022, 38, 921-958.	4.4	14
3	Investigations on the effects of operational parameters in reverse electrodialysis system for salinity gradient power generation using central composite design (CCD). Desalination, 2022, 525, 115508.	8.2	13
4	Fabrication of MoS2â€“rGO and MoS2â€“ZIF-8 membranes supported on flat alumina substrate for effective oil removal. Emergent Materials, 2022, 5, 1169-1182.	5.7	6
5	Agricultural and industrial waste-derived mesoporous silica nanoparticles: A review on chemical synthesis route. Journal of Environmental Chemical Engineering, 2022, 10, 107322.	6.7	26
6	Recent Mitigation Strategies on Membrane Fouling for Oily Wastewater Treatment. Membranes, 2022, 12, 26.	3.0	20
7	A Review on the Use of Membrane Technology Systems in Developing Countries. Membranes, 2022, 12, 30.	3.0	37
8	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.	3.0	3
9	Sustainable membranes with functionalized nanomaterials (FNMs) for environmental applications. , 2022, , 185-203.		0
10	Assessment of contaminants in sand production from petroleum wells offshore Sabah. Environmental Science and Pollution Research, 2022, , 1.	5.3	1
11	Sustainability Challenges and Future Perspectives of Biopolymer. Springer Series on Polymer and Composite Materials, 2022, , 373-389.	0.7	2
12	Characterisation of graphene oxide-coated sand for potential use as proppant in hydraulic fracturing. Arabian Journal of Geosciences, 2022, 15, .	1.3	3
13	Synthesis of Al₂O₃â€“SiO₂/water hybrid nanofluids and effects of surfactant toward dispersion and stability. Particulate Science and Technology, 2021, 39, 844-858.	2.1	13
14	Recent development of graphene oxide-based membranes for oilâ€“water separation: A review. Separation and Purification Technology, 2021, 258, 118000.	7.9	80
15	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.	2.2	8
16	Simultaneous separation and biocatalytic conversion of formaldehyde to methanol in enzymatic membrane reactor. Chemical Engineering Communications, 2021, 208, 636-645.	2.6	8
17	Composite perovskite-based material for chemical-looping steam methane reforming to hydrogen and syngas. , 2021, , 315-333.		0
18	Electrospun Polyetherimide-Graphene Oxide Nanofiber Electrodes for Enhanced Conductivity. Journal of Fiber Science and Technology, 2021, 77, 136-145.	0.4	5

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19	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.	1.1	2
20	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.	5.3	6
21	Intensifying separation and antifouling performance of PSf membrane incorporated by GO and ZnO nanoparticles for petroleum refinery wastewater treatment. Journal of Water Process Engineering, 2021, 41, 102030.	5.6	26
22	Interaction of metal organic framework with fluorinated polymer on ceramic hollow fiber. Applied Surface Science, 2021, 555, 149674.	6.1	7
23	Recent progress on proppant laboratory testing method: Characterisation, conductivity, transportation, and erosivity. Journal of Petroleum Science and Engineering, 2021, 205, 108871.	4.2	12
24	A review on photothermal material and its usage in the development of photothermal membrane for sustainable clean water production. Desalination, 2021, 517, 115259.	8.2	100
25	Optimization of AC/TiO2/CeO2 composite formulation for petroleum refinery wastewater treatment via simultaneous adsorption-photocatalytic process using D-optimal mixture experimental design. Journal of Environmental Chemical Engineering, 2021, 9, 106517.	6.7	23
26	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.	4.9	25
27	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.	5.6	23
28	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.	2.4	5
29	Synthesis of Various Size Gold Nanoparticles by Chemical Reduction Method with Different Solvent Polarity. Nanoscale Research Letters, 2020, 15, 140.	5.7	86
30	EFFECTS OF PEBAX COATING CONCENTRATIONS ON CO2/CH4 SEPARATION OF RGO/ZIF-8 PES MEMBRANES. Jurnal Teknologi (Sciences and Engineering), 2020, 82, .	0.4	2
31	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.	3.2	49
32	Progress in ultrasonic oil-contaminated sand cleaning: a fundamental review. Environmental Science and Pollution Research, 2019, 26, 26419-26438.	5.3	22
33	Characteristic and Erosion Study of Uncoated Sand Proppant Using Impingement Test. Key Engineering Materials, 2019, 797, 240-246.	0.4	1
34	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.	5.6	23
35	Fabrication of lanthanum-based perovskites membranes on porous alumina hollow fibre (AHF) substrates for oxygen enrichment. Ceramics International, 2019, 45, 13086-13093.	4.8	7
36	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.	2.9	55

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37	Sol-gel-derived perovskite-based sorbents for high-temperature air separation. Journal of Sol-Gel Science and Technology, 2019, 89, 776-784.	2.4	5
38	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. Chemical Engineering Journal, 2019, 360, 1437-1446.	12.7	66
39	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.	0.8	20
40	Adsorption kinetics of methylene blue dyes onto magnetic graphene oxide. Journal of Environmental Chemical Engineering, 2018, 6, 2803-2811.	6.7	180
41	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. Chemosphere, 2018, 204, 79-86.	8.2	51
42	Studies on the properties of RO membranes for salt and boron removal: Influence of thermal treatment methods and rinsing treatments. Desalination, 2018, 428, 218-226.	8.2	34
43	Effects of Synthesis Method on Electrical Properties of Graphene. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012051.	0.6	0
44	Demulsification of Crude Oil in Water (O/W) Emulsions using Graphene Oxide. IOP Conference Series: Materials Science and Engineering, 2018, 458, 012023.	0.6	5
45	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.	0.6	2
46	Effect of Graphene Oxide (GO) on the Surface Morphology & Hydrophilicity of Polyethersulfone (PES). IOP Conference Series: Materials Science and Engineering, 2018, 358, 012047.	0.6	17
47	Synthesis of reduced Graphene Oxide (rGO) using different treatments of Graphene Oxide (GO). IOP Conference Series: Materials Science and Engineering, 2018, 358, 012046.	0.6	30
48	Effect of the polymeric coating thickness on the photocurrent performance of titanium dioxide nanorod arrays-polyaniline composite-based UV photosensor. AIP Conference Proceedings, 2018, , .	0.4	0
49	Effects of temperature on the corrosion behavior of coated carbon steel in 1 wt.% sodium chloride (NaCl) solution. , 2017, , .		0
50	Development of environmental friendly lost circulation material from banana peel. AIP Conference Proceedings, 2017, , .	0.4	3
51	Review on effects of hydrazine hydrate and L-ascorbic acid on electrical conductivity of graphene. AIP Conference Proceedings, 2017, , .	0.4	1
52	Supported graphene oxide hollow fibre membrane for oily wastewater treatment. AIP Conference Proceedings, 2017, , .	0.4	7
53	Using moodle as an integrated final year project management system. , 2017, , .		7
54	Thermal spray coating for corrosion under insulation (CUI) prevention. AIP Conference Proceedings, 2017, , .	0.4	3

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55	CATALYTIC SURFACE MODIFICATION OF ALUMINA MEMBRANE FOR OXYGEN SEPARATION. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
56	Photocatalytic Degradation of Oil using Polyvinylidene Fluoride/Titanium Dioxide Composite Membrane for Oily Wastewater Treatment. MATEC Web of Conferences, 2016, 69, 05003.	0.2	13
57	In-Situ Catalytic Surface Modification of Micro-Structured La0.6Sr0.4Co0.2Fe0.8O3-Î´(LSCF) Oxygen Permeable Membrane Using Vacuum-Assisted technique. MATEC Web of Conferences, 2016, 69, 05002.	0.2	1
58	The effectiveness Study of Different Membranes in Treating Industrial Wastewater. MATEC Web of Conferences, 2016, 69, 05001.	0.2	1
59	Microâ€structured Bi_{1.5}Y_{0.3}Sm_{0.2}O_{3â^'}_{Î´} catalysts for oxidative coupling of methane. AICHE Journal, 2015, 61, 3451-3458.	3.6	5
60	An oxygen permeable membrane microreactor with an in-situ deposited Bi1.5Y0.3Sm0.2O3â^' catalyst for oxidative coupling of methane. Journal of Membrane Science, 2015, 488, 182-193.	8.2	54
61	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
62	A micro-structured La0.6Sr0.4Co0.2Fe0.8O3â^'Î´ hollow fibre membrane reactor for oxidative coupling of methane. Journal of Membrane Science, 2014, 468, 31-41.	8.2	48
63	Effects of fabrication processes on oxygen permeation of Nb2O5-doped SrCo0.8Fe0.2O3â^'Î´ micro-tubular membranes. Journal of Membrane Science, 2013, 442, 1-7.	8.2	21
64	Bi1.5Y0.3Sm0.2O3-Î´-based ceramic hollow fibre membranes for oxygenseparation and chemicalreactions. Journal of Membrane Science, 2013, 432, 58-65.	8.2	13
65	Functional Dual-Layer Ceramic Hollow Fibre Membranes for Methane Conversion. Procedia Engineering, 2012, 44, 1484-1485.	1.2	3
66	Conversion of fly ash into zeolite: Effect of reaction temperature. , 2011, , .		0
67	Utilization of poly/chitosan as membrane for wastewater treatment. , 2011, , .		2
68	Sulfonated polyether ether ketone composite membrane using tungstosilicic acid supported on silicaâ€“aluminium oxide for direct methanol fuel cell (DMFC). Journal of Membrane Science, 2009, 329, 18-29.	8.2	109
69	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