

# Nur Hidayati Othman

## List of Publications by Year in descending order

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69  
papers

1,457  
citations

361413

20  
h-index

345221

36  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption kinetics of methylene blue dyes onto magnetic graphene oxide. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2803-2811.	6.7	180
2	Sulfonated polyether ether ketone composite membrane using tungstosilicic acid supported on silica-aluminium oxide for direct methanol fuel cell (DMFC). <i>Journal of Membrane Science</i> , 2009, 329, 18-29.	8.2	109
3	A review on photothermal material and its usage in the development of photothermal membrane for sustainable clean water production. <i>Desalination</i> , 2021, 517, 115259.	8.2	100
4	Synthesis of Various Size Gold Nanoparticles by Chemical Reduction Method with Different Solvent Polarity. <i>Nanoscale Research Letters</i> , 2020, 15, 140.	5.7	86
5	Recent development of graphene oxide-based membranes for oil-water separation: A review. <i>Separation and Purification Technology</i> , 2021, 258, 118000.	7.9	80
6	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. <i>Chemical Engineering Journal</i> , 2019, 360, 1437-1446.	12.7	66
7	Mixed matrix membranes incorporated with reduced graphene oxide (rGO) and zeolitic imidazole framework-8 (ZIF-8) nanofillers for gas separation. <i>Journal of Solid State Chemistry</i> , 2019, 270, 419-427.	2.9	55
8	An oxygen permeable membrane microreactor with an in-situ deposited Bi <sub>1.5</sub> Y <sub>0.3</sub> Sm <sub>0.2</sub> O <sub>3</sub> catalyst for oxidative coupling of methane. <i>Journal of Membrane Science</i> , 2015, 488, 182-193.	8.2	54
9	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. <i>Chemosphere</i> , 2018, 204, 79-86.	8.2	51
10	Fabrication and characterization of graphene oxide-polyethersulfone (GO-PES) composite flat sheet and hollow fiber membranes for oil-water separation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1308-1320.	3.2	49
11	A micro-structured La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> hollow fibre membrane reactor for oxidative coupling of methane. <i>Journal of Membrane Science</i> , 2014, 468, 31-41.	8.2	48
12	A Review on the Use of Membrane Technology Systems in Developing Countries. <i>Membranes</i> , 2022, 12, 30.	3.0	37
13	Studies on the properties of RO membranes for salt and boron removal: Influence of thermal treatment methods and rinsing treatments. <i>Desalination</i> , 2018, 428, 218-226.	8.2	34
14	Synthesis of reduced Graphene Oxide (rGO) using different treatments of Graphene Oxide (GO). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 358, 012046.	0.6	30
15	Desalination of Produced Water Using Bentonite as Pre-Treatment and Membrane Separation as Main Treatment. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 195, 2094-2100.	0.5	26
16	Intensifying separation and antifouling performance of PSf membrane incorporated by GO and ZnO nanoparticles for petroleum refinery wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021, 41, 102030.	5.6	26
17	Agricultural and industrial waste-derived mesoporous silica nanoparticles: A review on chemical synthesis route. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107322.	6.7	26
18	Efficient removal of partially hydrolysed polyacrylamide in polymer-flooding produced water using photocatalytic graphitic carbon nitride nanofibres. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4341-4349.	4.9	25

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19	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> , 2019, 32, 100912.	5.6	23
20	Mechanistic insight of the formation of visible-light responsive nanosheet graphitic carbon nitride embedded polyacrylonitrile nanofibres for wastewater treatment. <i>Journal of Water Process Engineering</i> , 2020, 33, 101015.	5.6	23
21	Optimization of AC/TiO <sub>2</sub> /CeO <sub>2</sub> composite formulation for petroleum refinery wastewater treatment via simultaneous adsorption-photocatalytic process using D-optimal mixture experimental design. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106517.	6.7	23
22	Progress in ultrasonic oil-contaminated sand cleaning: a fundamental review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26419-26438.	5.3	22
23	Effects of fabrication processes on oxygen permeation of Nb <sub>2</sub> O <sub>5</sub> -doped SrCo <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> micro-tubular membranes. <i>Journal of Membrane Science</i> , 2013, 442, 1-7.	8.2	21
24	Effect of graphene oxide (GO) and polyvinylpyrrolidone (PVP) additives on the hydrophilicity of composite polyethersulfone (PES) membrane. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 361-366.	0.8	20
25	Recent Mitigation Strategies on Membrane Fouling for Oily Wastewater Treatment. <i>Membranes</i> , 2022, 12, 26.	3.0	20
26	Effect of Graphene Oxide (GO) on the Surface Morphology & Hydrophilicity of Polyethersulfone (PES). <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 358, 012047.	0.6	17
27	Principles of reverse electrodialysis and development of integrated-based system for power generation and water treatment: a review. <i>Reviews in Chemical Engineering</i> , 2022, 38, 921-958.	4.4	14
28	Bi <sub>1.5</sub> Y <sub>0.3</sub> Sm <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> -based ceramic hollow fibre membranes for oxygen separation and chemical reactions. <i>Journal of Membrane Science</i> , 2013, 432, 58-65.	8.2	13
29	Photocatalytic Degradation of Oil using Polyvinylidene Fluoride/Titanium Dioxide Composite Membrane for Oily Wastewater Treatment. <i>MATEC Web of Conferences</i> , 2016, 69, 05003.	0.2	13
30	Synthesis of Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> /water hybrid nanofluids and effects of surfactant toward dispersion and stability. <i>Particulate Science and Technology</i> , 2021, 39, 844-858.	2.1	13
31	Investigations on the effects of operational parameters in reverse electrodialysis system for salinity gradient power generation using central composite design (CCD). <i>Desalination</i> , 2022, 525, 115508.	8.2	13
32	Recent progress on proppant laboratory testing method: Characterisation, conductivity, transportation, and erosivity. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108871.	4.2	12
33	Bisphenol A Adsorption from Aqueous Solution Using Graphene Oxide-Alginate Beads. <i>Journal of Polymers and the Environment</i> , 2022, 30, 597-612.	5.0	9
34	A Green & In Situ Synthesis of Hybrid Graphene-Based Zeolitic Imidazolate Framework-8 Nanofillers Using Recycling Mother Liquor. <i>Key Engineering Materials</i> , 0, 797, 48-54.	0.4	8
35	Green one-pot synthesis and characterisation of hybrid reduced graphene oxide/zeolitic imidazole framework-8 (rGO/ZIF-8). <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 363-373.	2.2	8
36	Simultaneous separation and biocatalytic conversion of formaldehyde to methanol in enzymatic membrane reactor. <i>Chemical Engineering Communications</i> , 2021, 208, 636-645.	2.6	8

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37	Supported graphene oxide hollow fibre membrane for oily wastewater treatment. AIP Conference Proceedings, 2017, , .	0.4	7
38	Using moodle as an integrated final year project management system. , 2017, , .		7
39	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
40	Interaction of metal organic framework with fluorinated polymer on ceramic hollow fiber. Applied Surface Science, 2021, 555, 149674.	6.1	7
41	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
42	Fabrication of MoS <sub>2</sub> @rGO and MoS <sub>2</sub> @ZIF-8 membranes supported on flat alumina substrate for effective oil removal. Emergent Materials, 2022, 5, 1169-1182.	5.7	6
43	Microstructured Bi <sub>1.5</sub> Y <sub>0.3</sub> Sm <sub>0.2</sub> O <sub>3</sub> catalysts for oxidative coupling of methane. AIChE Journal, 2015, 61, 3451-3458.	3.6	5
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	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
46	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
47	Electrospun Polyetherimide-Graphene Oxide Nanofiber Electrodes for Enhanced Conductivity. Journal of Fiber Science and Technology, 2021, 77, 136-145.	0.4	5
48	Functional Dual-Layer Ceramic Hollow Fibre Membranes for Methane Conversion. Procedia Engineering, 2012, 44, 1484-1485.	1.2	3
49	Development of environmental friendly lost circulation material from banana peel. AIP Conference Proceedings, 2017, , .	0.4	3
50	Thermal spray coating for corrosion under insulation (CUI) prevention. AIP Conference Proceedings, 2017, , .	0.4	3
51	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
52	Characterisation of graphene oxide-coated sand for potential use as proppant in hydraulic fracturing. Arabian Journal of Geosciences, 2022, 15, .	1.3	3
53	Utilization of poly/chitosan as membrane for wastewater treatment. , 2011, , .		2
54	Preparation of Mixed Ionic Electronic Conducting (MIEC) Membrane Supported on Al <sub>2</sub> O <sub>3</sub> Substrate: Effects of Substrate Morphology. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012057.	0.6	2

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55	EFFECTS OF PEBAX COATING CONCENTRATIONS ON CO <sub>2</sub> /CH <sub>4</sub> SEPARATION OF RGO/ZIF-8 PES MEMBRANES. Jurnal Teknologi (Sciences and Engineering), 2020, 82, .	0.4	2
56	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
57	Sustainability Challenges and Future Perspectives of Biopolymer. Springer Series on Polymer and Composite Materials, 2022, , 373-389.	0.7	2
58	In-Situ Catalytic Surface Modification of Micro-Structured La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> (LSCF) Oxygen Permeable Membrane Using Vacuum-Assisted technique. MATEC Web of Conferences, 2016, 69, 05002.	0.2	1
59	The effectiveness Study of Different Membranes in Treating Industrial Wastewater. MATEC Web of Conferences, 2016, 69, 05001.	0.2	1
60	Review on effects of hydrazine hydrate and L-ascorbic acid on electrical conductivity of graphene. AIP Conference Proceedings, 2017, , .	0.4	1
61	Characteristic and Erosion Study of Uncoated Sand Proppant Using Impingement Test. Key Engineering Materials, 2019, 797, 240-246.	0.4	1
62	Assessment of contaminants in sand production from petroleum wells offshore Sabah. Environmental Science and Pollution Research, 2022, , 1.	5.3	1
63	Conversion of fly ash into zeolite: Effect of reaction temperature. , 2011, , .		0
64	Effects of temperature on the corrosion behavior of coated carbon steel in 1 wt.% sodium chloride (NaCl) solution. , 2017, , .		0
65	CATALYTIC SURFACE MODIFICATION OF ALUMINA MEMBRANE FOR OXYGEN SEPARATION. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
66	Effects of Synthesis Method on Electrical Properties of Graphene. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012051.	0.6	0
67	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
68	Composite perovskite-based material for chemical-looping steam methane reforming to hydrogen and syngas. , 2021, , 315-333.		0
69	Sustainable membranes with functionalized nanomaterials (FNMs) for environmental applications. , 2022, , 185-203.		0