

Mohd Hafiz Dzarfan Othman

List of Publications by Year in descending order

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313
papers

9,176
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36303

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71685

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all docs

316
docs citations

316
times ranked

7223
citing authors

#	ARTICLE	IF	CITATIONS
1	Biogas as a renewable energy fuel – A review of biogas upgrading, utilisation and storage. <i>Energy Conversion and Management</i> , 2017, 150, 277-294.	9.2	520
2	Fabrications and applications of low cost ceramic membrane from kaolin: A comprehensive review. <i>Ceramics International</i> , 2018, 44, 4538-4560.	4.8	209
3	A review on sustainable synthesis of zeolite from kaolinite resources via hydrothermal process. <i>Advanced Powder Technology</i> , 2017, 28, 1827-1840.	4.1	150
4	Recent fabrication techniques for micro-tubular solid oxide fuel cell support: A review. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1-22.	5.7	149
5	Functionalizing TiO ₂ with graphene oxide for enhancing photocatalytic degradation of methylene blue (MB) in contaminated wastewater. <i>Journal of Environmental Management</i> , 2020, 270, 110871.	7.8	142
6	Current trends and future prospects of ammonia removal in wastewater: A comprehensive review on adsorptive membrane development. <i>Separation and Purification Technology</i> , 2019, 213, 114-132.	7.9	136
7	Polymeric membranes for desalination using membrane distillation: A review. <i>Desalination</i> , 2020, 490, 114530.	8.2	130
8	High-performance, Anode-supported, Microtubular SOFC Prepared from Single-step-fabricated, Dual-layer Hollow Fibers. <i>Advanced Materials</i> , 2011, 23, 2480-2483.	21.0	118
9	Functionalization of polymeric materials as a high performance membrane for direct methanol fuel cell: A review. <i>Reactive and Functional Polymers</i> , 2015, 86, 248-258.	4.1	113
10	Unlocking digital technologies for waste recycling in Industry 4.0 era: A transformation towards a digitalization-based circular economy in Indonesia. <i>Journal of Cleaner Production</i> , 2022, 357, 131911.	9.3	98
11	Hydrophobic ceramic membrane for membrane distillation: A mini review on preparation, characterization, and applications. <i>Separation and Purification Technology</i> , 2019, 217, 71-84.	7.9	94
12	A novel green ceramic hollow fiber membrane (CHFM) derived from rice husk ash as combined adsorbent-separator for efficient heavy metals removal. <i>Ceramics International</i> , 2017, 43, 4716-4720.	4.8	93
13	Applicability of BaTiO ₃ /graphene oxide (GO) composite for enhanced photodegradation of methylene blue (MB) in synthetic wastewater under UV-vis irradiation. <i>Environmental Pollution</i> , 2019, 255, 113182.	7.5	92
14	Removal of acetaminophen from synthetic wastewater in a fixed-bed column adsorption using low-cost coconut shell waste pretreated with NaOH, HNO ₃ , ozone, and/or chitosan. <i>Journal of Environmental Management</i> , 2018, 226, 365-376.	7.8	91
15	Application of immobilized TiO ₂ on PVDF dual layer hollow fibre membrane to improve the photocatalytic removal of pharmaceuticals in different water matrices. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 9-18.	20.2	91
16	Photocatalytic degradation of nonylphenol by immobilized TiO ₂ in dual layer hollow fibre membranes. <i>Chemical Engineering Journal</i> , 2015, 269, 255-261.	12.7	90
17	Fabrication of low cost, green silica based ceramic hollow fibre membrane prepared from waste rice husk for water filtration application. <i>Ceramics International</i> , 2018, 44, 10498-10509.	4.8	90
18	An overview of superhydrophobic ceramic membrane surface modification for oil-water separation. <i>Journal of Materials Research and Technology</i> , 2021, 12, 643-667.	5.8	90

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19	Novel hydroxyapatite-based bio-ceramic hollow fiber membrane derived from waste cow bone for textile wastewater treatment. <i>Chemical Engineering Journal</i> , 2020, 379, 122396.	12.7	88
20	Single-step fabrication and characterisations of electrolyte/anode dual-layer hollow fibres for micro-tubular solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2010, 351, 196-204.	8.2	86
21	Design and performance study of hybrid photocatalytic reactor-PVDF/MWCNT nanocomposite membrane system for treatment of petroleum refinery wastewater. <i>Desalination</i> , 2015, 363, 99-111.	8.2	84
22	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. <i>Environmental Chemistry Letters</i> , 2018, 16, 1301-1323.	16.2	84
23	A Review of Titanium Dioxide (TiO ₂)-Based Photocatalyst for Oilfield-Produced Water Treatment. <i>Membranes</i> , 2022, 12, 345.	3.0	83
24	A societal transition of MSW management in Xiamen (China) toward a circular economy through integrated waste recycling and technological digitization. <i>Environmental Pollution</i> , 2021, 277, 116741.	7.5	81
25	Green silica-based ceramic hollow fiber membrane for seawater desalination via direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2018, 205, 22-31.	7.9	80
26	One-pot synthesis of efficient reduced graphene oxide supported binary Pt-Pd alloy nanoparticles as superior electro-catalyst and its electro-catalytic performance toward methanol electro-oxidation reaction in direct methanol fuel cell. <i>Journal of Alloys and Compounds</i> , 2019, 793, 232-246.	5.5	77
27	Immobilization techniques of a photocatalyst into and onto a polymer membrane for photocatalytic activity. <i>RSC Advances</i> , 2021, 11, 6985-7014.	3.6	76
28	Flash freezing route to mesoporous polymer nanofibre networks. <i>Nature Communications</i> , 2013, 4, 2653.	12.8	75
29	A low cost hydrophobic kaolin hollow fiber membrane (h-KHFM) for arsenic removal from aqueous solution via direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2019, 214, 31-39.	7.9	75
30	Morphological studies of macrostructure of Ni-CGO anode hollow fibres for intermediate temperature solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2010, 360, 410-417.	8.2	73
31	Overview of Bile Acids Signaling and Perspective on the Signal of Ursodeoxycholic Acid, the Most Hydrophilic Bile Acid, in the Heart. <i>Biomolecules</i> , 2018, 8, 159.	4.0	72
32	Recent progress on fabrication and application of electrospun nanofibrous photocatalytic membranes for wastewater treatment: A review. <i>Journal of Water Process Engineering</i> , 2021, 40, 101878.	5.6	71
33	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
34	Recent progress in metal-ceramic anode of solid oxide fuel cell for direct hydrocarbon fuel utilization: A review. <i>Fuel Processing Technology</i> , 2021, 212, 106626.	7.2	66
35	The adsorptive removal of chromium (VI) in aqueous solution by novel natural zeolite based hollow fibre ceramic membrane. <i>Journal of Environmental Management</i> , 2018, 224, 252-262.	7.8	65
36	Reforming MSWM in Sukunan (Yogyakarta, Indonesia): A case-study of applying a zero-waste approach based on circular economy paradigm. <i>Journal of Cleaner Production</i> , 2021, 284, 124775.	9.3	65

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37	Recovering heavy metals from electroplating wastewater and their conversion into Zn ₂ Cr-layered double hydroxide (LDH) for pyrophosphate removal from industrial wastewater. <i>Chemosphere</i> , 2021, 271, 129861.	8.2	64
38	Preparation and characterization of superparamagnetic magnetite (Fe ₃ O ₄) nanoparticles: A short review. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 23-31.	0.8	64
39	Arsenic removal in aqueous solutions using FeS ₂ . <i>Journal of Environmental Management</i> , 2021, 286, 112246.	7.8	63
40	Antifouling polyethersulfone hemodialysis membranes incorporated with poly (citric acid) polymerized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2016, 68, 540-550.	7.3	62
41	Applicability of TiO ₂ (B) nanosheets@hydrochar composites for adsorption of tetracycline (TC) from contaminated water. <i>Journal of Hazardous Materials</i> , 2021, 405, 123999.	12.4	62
42	Morphological study of co-extruded dual-layer hollow fiber membranes incorporated with different TiO ₂ loadings. <i>Journal of Membrane Science</i> , 2015, 479, 123-131.	8.2	61
43	Carbon dioxide capture using a superhydrophobic ceramic hollow fibre membrane for gas-liquid contacting process. <i>Journal of Cleaner Production</i> , 2017, 140, 1731-1738.	9.3	60
44	Superhydrophilic, low cost kaolin-based hollow fibre membranes for efficient oily-wastewater separation. <i>Materials Letters</i> , 2017, 191, 119-122.	2.6	60
45	Morphology and property study of green ceramic hollow fiber membrane derived from waste sugarcane bagasse ash (WSBA). <i>Ceramics International</i> , 2018, 44, 18450-18461.	4.8	58
46	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , 2018, 201, 257-263.	10.2	57
47	Resource recovery toward sustainability through nutrient removal from landfill leachate. <i>Journal of Environmental Management</i> , 2021, 287, 112265.	7.8	57
48	Resource recovery from landfill leachate: An experimental investigation and perspectives. <i>Chemosphere</i> , 2021, 274, 129986.	8.2	57
49	Dual-layer hollow fibres with different anode structures for micro-tubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2012, 205, 272-280.	7.8	56
50	2D Graphene oxide (GO) doped p-n type BiOI/Bi ₂ WO ₆ as a novel composite for photodegradation of bisphenol A (BPA) in aqueous solutions under UV-vis irradiation. <i>Materials Science and Engineering C</i> , 2020, 108, 110420.	7.3	56
51	Effect of kaolin particle size and loading on the characteristics of kaolin ceramic support prepared via phase inversion technique. <i>Journal of Asian Ceramic Societies</i> , 2016, 4, 164-177.	2.3	55
52	Fabrication, characterization, and application of ternary magnetic recyclable Bi ₂ WO ₆ /BiOI@Fe ₃ O ₄ composite for photodegradation of tetracycline in aqueous solutions. <i>Journal of Environmental Management</i> , 2020, 270, 110839.	7.8	55
53	In-depth understanding of core-shell nanoarchitecture evolution of g-C ₃ N ₄ @C, N co-doped anatase/rutile: Efficient charge separation and enhanced visible-light photocatalytic performance. <i>Applied Surface Science</i> , 2018, 436, 302-318.	6.1	54
54	Preparation and characterization of self-cleaning alumina hollow fiber membrane using the phase inversion and sintering technique. <i>Ceramics International</i> , 2016, 42, 12312-12322.	4.8	53

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55	Development of biocompatible and safe polyethersulfone hemodialysis membrane incorporated with functionalized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2017, 77, 572-582.	7.3	52
56	Recent progress in the hydrophilic modification of alumina membranes for protein separation and purification. <i>Ceramics International</i> , 2017, 43, 915-925.	4.8	52
57	WO ₃ -based photocatalysts: A review on synthesis, performance enhancement and photocatalytic memory for environmental applications. <i>Ceramics International</i> , 2022, 48, 5845-5875.	4.8	52
58	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
59	Novel co-extruded electrolyte anode hollow fibres for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 1799-1802.	4.7	50
60	Economical, environmental friendly synthesis, characterization for the production of zeolitic imidazolate framework-8 (ZIF-8) nanoparticles with enhanced CO ₂ adsorption. <i>Arabian Journal of Chemistry</i> , 2018, 11, 1072-1083.	4.9	50
61	Preparation and characterization of inexpensive kaolin hollow fibre membrane (KHFM) prepared using phase inversion/sintering technique for the efficient separation of real oily wastewater. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2349-2367.	4.9	50
62	Antifouling polysulfone membranes blended with green SiO ₂ from rice husk ash (RHA) for humic acid separation. <i>Chemical Engineering Research and Design</i> , 2016, 114, 268-279.	5.6	49
63	Structural transition from two-dimensional ZIF-L to three-dimensional ZIF-8 nanoparticles in aqueous room temperature synthesis with improved CO ₂ adsorption. <i>Materials Characterization</i> , 2018, 136, 407-416.	4.4	48
64	Effect of fabrication parameters on physical properties of metakaolin-based ceramic hollow fibre membrane (CHFMs). <i>Ceramics International</i> , 2016, 42, 15547-15558.	4.8	47
65	Preparation and characterization of low cost porous ceramic membrane support from kaolin using phase inversion/sintering technique for gas separation: Effect of kaolin content and non-solvent coagulant bath. <i>Chemical Engineering Research and Design</i> , 2016, 112, 24-35.	5.6	47
66	Preparation, characterizations and performance evaluations of alumina hollow fiber membrane incorporated with UiO-66 particles for humic acid removal. <i>Journal of Membrane Science</i> , 2018, 563, 162-174.	8.2	47
67	Proton conducting composite membrane from sulfonated poly(ether ether ketone) and boron orthophosphate for direct methanol fuel cell application. <i>Journal of Membrane Science</i> , 2007, 299, 156-165.	8.2	46
68	Advances in adsorptive membrane technology for water treatment and resource recovery applications: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107633.	6.7	46
69	Copper-substituted cobalt ferrite nanoparticles: Structural, optical and antibacterial properties. <i>Materials Express</i> , 2016, 6, 473-482.	0.5	45
70	Status and improvement of dual-layer hollow fiber membranes via co-extrusion process for gas separation: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 52, 215-234.	4.4	45
71	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. <i>Membranes</i> , 2020, 10, 34.	3.0	45
72	Hydrocarbon degradation and separation of bilge water via a novel TiO ₂ -HNTs/PVDF-based photocatalytic membrane reactor (PMR). <i>RSC Advances</i> , 2015, 5, 14147-14155.	3.6	44

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73	A review of the potential of conventional and advanced membrane technology in the removal of pathogens from wastewater. <i>Separation and Purification Technology</i> , 2022, 286, 120454.	7.9	43
74	Current Approaches in Improving Hemocompatibility of Polymeric Membranes for Biomedical Application. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 771-800.	3.6	42
75	Photocatalytic degradation of nonylphenol using co-extruded dual-layer hollow fibre membranes incorporated with a different ratio of TiO ₂ /PVDF. <i>Reactive and Functional Polymers</i> , 2016, 99, 80-87.	4.1	42
76	Concurrent growth, structural and photocatalytic properties of hybridized C, N co-doped TiO ₂ mixed phase over g-C ₃ N ₄ nanostructured. <i>Scripta Materialia</i> , 2018, 142, 143-147.	5.2	42
77	Permeability improvement of polyethersulfone-polyethylene glycol (PEG-PES) flat sheet type membranes by tripolyphosphate-crosslinked chitosan (TPP-CS) coating. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 633-644.	7.5	42
78	Photocatalytic performance of TiO ₂ /Clinoptilolite: Comparison study in suspension and hybrid photocatalytic membrane reactor. <i>Chemosphere</i> , 2019, 228, 241-248.	8.2	41
79	Pretreated aluminium dross waste as a source of inexpensive alumina-spinel composite ceramic hollow fibre membrane for pretreatment of oily saline produced water. <i>Ceramics International</i> , 2019, 45, 2069-2078.	4.8	41
80	Enhanced omniphobicity of mullite hollow fiber membrane with organosilane-functionalized TiO ₂ micro-flowers and nanorods layer deposition for desalination using direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020, 607, 118137.	8.2	41
81	Fabrication by Co-extrusion and electrochemical characterization of micro-tubular hollow fibre solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2010, 12, 792-795.	4.7	40
82	Effect of HNTs modification in nanocomposite membrane enhancement for bacterial removal by cross-flow ultrafiltration system. <i>Reactive and Functional Polymers</i> , 2015, 95, 80-87.	4.1	40
83	Advances in BiOX-based ternary photocatalysts for water technology and energy storage applications: Research trends, challenges, solutions, and ways forward. <i>Reviews in Environmental Science and Biotechnology</i> , 2022, 21, 331-370.	8.1	39
84	Effect of operating temperature on the behavior of promising SPEEK/cSMM electrolyte membrane for DMFCs. <i>Separation and Purification Technology</i> , 2013, 106, 72-81.	7.9	38
85	Development of high strength, porous mullite ceramic hollow fiber membrane for treatment of oily wastewater. <i>Ceramics International</i> , 2021, 47, 15367-15382.	4.8	38
86	Oilfield-produced water treatment using conventional and membrane-based technologies for beneficial reuse: A critical review. <i>Journal of Environmental Management</i> , 2022, 308, 114556.	7.8	38
87	Electrolyte thickness control and its effect on electrolyte/anode dual-layer hollow fibres for micro-tubular solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2010, 365, 382-388.	8.2	37
88	Morphological study of yttria-stabilized zirconia hollow fibre membrane prepared using phase inversion/sintering technique. <i>Ceramics International</i> , 2015, 41, 12543-12553.	4.8	37
89	Influence of pre-treatment temperature of palm oil fuel ash on the properties and performance of green ceramic hollow fiber membranes towards oil/water separation application. <i>Separation and Purification Technology</i> , 2019, 222, 264-277.	7.9	37
90	Comprehensive investigation of evanescent wave optical fiber refractive index sensor coated with ZnO nanoparticles. <i>Optical Fiber Technology</i> , 2019, 52, 101976.	2.7	35

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91	Arsenic adsorption mechanism on palm oil fuel ash (POFA) powder suspension. <i>Journal of Hazardous Materials</i> , 2020, 383, 121214.	12.4	35
92	Promoting sustainable cleaner production paradigms in palm oil fuel ash as an eco-friendly cementitious material: A critical analysis. <i>Journal of Cleaner Production</i> , 2021, 295, 126296.	9.3	34
93	Facile spectroscopic approach to obtain the optoelectronic properties of few-layered graphene oxide thin films and their role in photocatalysis. <i>New Journal of Chemistry</i> , 2017, 41, 14217-14227.	2.8	33
94	Novel fabrication technique of hollow fibre support for micro-tubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 5035-5044.	7.8	31
95	Ceramic Membrane Distillation for Desalination. <i>Separation and Purification Reviews</i> , 2020, 49, 317-356.	5.5	31
96	Synthesis of nanostructured titanium dioxide layer onto kaolin hollow fibre membrane via hydrothermal method for decolourisation of reactive black 5. <i>Chemosphere</i> , 2018, 208, 595-605.	8.2	30
97	Incorporation of N-doped TiO ₂ into dual layer hollow fiber (DLHF) membrane for visible light-driven photocatalytic removal of reactive black 5. <i>Polymer Testing</i> , 2019, 78, 105939.	4.8	30
98	Novel silica sand hollow fibre ceramic membrane for oily wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104975.	6.7	30
99	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , 2017, 66, 1424-1429.	3.1	29
100	Structural, optical and electrical evolution of Al and Ga co-doped ZnO/SiO ₂ /glass thin film: role of laser power density. <i>RSC Advances</i> , 2017, 7, 35858-35868.	3.6	29
101	A low cost, superhydrophobic and superoleophilic hybrid kaolin-based hollow fibre membrane (KHFM) for efficient adsorption-separation of oil removal from water. <i>RSC Advances</i> , 2018, 8, 2986-2995.	3.6	29
102	Feasibility study of CAU-1 deposited on alumina hollow fiber for desalination applications. <i>Separation and Purification Technology</i> , 2019, 217, 247-257.	7.9	29
103	A review on the potential of photocatalysis in combatting SARS-CoV-2 in wastewater. <i>Journal of Water Process Engineering</i> , 2021, 42, 102111.	5.6	29
104	A simple route to layer-by-layer assembled few layered graphene oxide nanosheets: Optical, dielectric and antibacterial aspects. <i>Journal of Molecular Liquids</i> , 2018, 253, 284-296.	4.9	28
105	Sustainable and fast saliva-based COVID-19 virus diagnosis kit using a novel GO-decorated Au/FBG sensor. <i>Chemical Engineering Journal</i> , 2021, 420, 127655.	12.7	28
106	Stability study of PVDF/TiO ₂ dual layer hollow fibre membranes under long-term UV irradiation exposure. <i>Journal of Water Process Engineering</i> , 2017, 15, 78-82.	5.6	27
107	Synthesis and characterisation of composite sulphonated polyurethane/polyethersulphone membrane for blood purification application. <i>Materials Science and Engineering C</i> , 2019, 99, 491-504.	7.3	27
108	Fabrication of magnesium bentonite hollow fibre ceramic membrane for oil-water separation. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5996-6008.	4.9	27

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109	Investigation on the effect of sintering temperature on kaolin hollow fibre membrane for dye filtration. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15905-15917.	5.3	26
110	Feasibility study of the hybrid adsorptive hollow fibre ceramic membrane (HFCM) derived from natural zeolite for the removal of ammonia in wastewater. <i>Chemical Engineering Research and Design</i> , 2019, 122, 378-385.	5.6	26
111	Facile fabrication of superhydrophobic and superoleophilic green ceramic hollow fiber membrane derived from waste sugarcane bagasse ash for oil/water separation. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3558-3570.	4.9	26
112	A Review on the Fabrication of Electrospun Polymer Electrolyte Membrane for Direct Methanol Fuel Cell. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-16.	2.7	25
113	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. <i>Journal of Materials Science</i> , 2018, 53, 15034-15050.	3.7	25
114	Removal of As(ⁱⁱⁱ) and As(^v) from water using green, silica-based ceramic hollow fibre membranes via direct contact membrane distillation. <i>RSC Advances</i> , 2019, 9, 3367-3376.	3.6	25
115	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
116	Sulfonated polyaniline-encapsulated graphene@graphitic carbon nitride nanocomposites for significantly enhanced photocatalytic degradation of phenol: a mechanistic study. <i>New Journal of Chemistry</i> , 2020, 44, 19570-19580.	2.8	25
117	Graphene-based nanomaterials as antimicrobial surface coatings: A parallel approach to restrain the expansion of COVID-19. <i>Surfaces and Interfaces</i> , 2021, 27, 101460.	3.0	25
118	Removal of nickel from aqueous solution using supported zeolite-Y hollow fiber membranes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19054-19064.	5.3	24
119	Investigation on the effect of spinning conditions on the properties of hollow fiber membrane for hemodialysis application. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	23
120	Feasibility study of cadmium adsorption by palm oil fuel ash (POFA)-based low-cost hollow fibre zeolitic membrane. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21644-21655.	5.3	23
121	Impact of sintering temperature and pH of feed solution on adsorptive removal of ammonia from wastewater using clinoptilolite based hollow fibre ceramic membrane. <i>Journal of Water Process Engineering</i> , 2020, 33, 101063.	5.6	23
122	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
123	Development of high performance amine functionalized zeolitic imidazolate framework (ZIF-8) for heavy metal ion separation. <i>International Journal of Energy Research</i> , 2020, 44, 7989-7999.	4.5	23
124	Development of high-performance anode/electrolyte/cathode micro-tubular solid oxide fuel cell via phase inversion-based co-extrusion/co-sintering technique. <i>Journal of Power Sources</i> , 2020, 467, 228345.	7.8	23
125	Low-cost silica based ceramic supported thin film composite hollow fiber membrane from guinea corn husk ash for efficient removal of microplastic from aqueous solution. <i>Journal of Hazardous Materials</i> , 2022, 424, 127298.	12.4	23
126	Co-extruded dual-layer hollow fiber with different electrolyte structure for a high temperature micro-tubular solid oxide fuel cell. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9116-9124.	7.1	22

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127	Novel superhydrophobic and superoleophilic sugarcane green ceramic hollow fibre membrane as hybrid oil sorbent-separator of real oil and water mixture. <i>Materials Letters</i> , 2019, 240, 136-139.	2.6	22
128	Waste environmental sources of metakaolin and corn cob ash for preparation and characterisation of green ceramic hollow fibre membrane (h-MCa) for oil-water separation. <i>Ceramics International</i> , 2020, 46, 1512-1525.	4.8	22
129	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. <i>Separation and Purification Technology</i> , 2020, 236, 116216.	7.9	22
130	In situ growth of γ -Fe ₂ O ₃ on Al ₂ O ₃ /YSZ hollow fiber membrane for oily wastewater. <i>Separation and Purification Technology</i> , 2020, 236, 116250.	7.9	22
131	Hemocompatibility evaluation of poly(1,8-octanediol citrate) blend polyethersulfone membranes. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1510-1520.	4.0	21
132	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> , 2019, 136, 47502.	2.6	21
133	Effect of Pt/Pd/C coupled catalyst loading and polybenzimidazole ionomer binder on oxygen reduction reaction in high-temperature PEMFC. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 20760-20769.	7.1	20
134	Incorporation of Electrochemically Exfoliated Graphene Oxide and TiO ₂ into Polyvinylidene Fluoride-Based Nanofiltration Membrane for Dye Rejection. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	20
135	Room temperature growth of half-metallic Fe ₃ O ₄ thin films on polycarbonate by reactive sputtering: Heterostructures for flexible spintronics. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152532.	5.5	20
136	Magnetite thin films grown on different flexible polymer substrates at room temperature: Role of antiphase boundaries in electrical and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156368.	5.5	20
137	Waste Reutilization in Polymeric Membrane Fabrication: A New Direction in Membranes for Separation. <i>Membranes</i> , 2021, 11, 782.	3.0	20
138	Effect of organic ligand-decorated ZnO nanoparticles as a cathode buffer layer on electricity conversion efficiency of an inverted solar cell. <i>RSC Advances</i> , 2018, 8, 1418-1426.	3.6	19
139	Effect of acetone/methanol ratio as a hybrid solvent on fabrication of polymethylmethacrylate optical fiber sensor. <i>Optics and Laser Technology</i> , 2020, 123, 105896.	4.6	19
140	Effects of pre and post-ozonation on POFA hollow fibre ceramic adsorptive membrane for arsenic removal in water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 110, 100-111.	5.3	19
141	Fabrication and characterisation of superhydrophobic bio-ceramic hollow fibre membranes prepared from cow bone waste. <i>Ceramics International</i> , 2021, 47, 4178-4186.	4.8	19
142	Hydrophobic mullite ceramic hollow fibre membrane (Hy-MHFM) for seawater desalination via direct contact membrane distillation (DCMD). <i>Journal of the European Ceramic Society</i> , 2021, 41, 6578-6585.	5.7	19
143	Recent Progress, Challenges, and Opportunities of Membrane Distillation for Heavy Metals Removal. <i>Chemical Record</i> , 2022, 22, e202100323.	5.8	19
144	Sputtered CuO mono-phase thin films: Structural, compositional and spectroscopic linear/nonlinear optical characteristics. <i>Optik</i> , 2017, 144, 207-218.	2.9	18

#	ARTICLE	IF	CITATIONS
145	Visible-Light-Driven Photocatalytic N-Doped TiO ₂ for Degradation of Bisphenol A (BPA) and Reactive Black 5 (RB5) Dye. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	18
146	Integrated green membrane distillation-microalgae bioremediation for arsenic removal from Pengorak River Kuantan, Malaysia. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 153, 107996.	3.6	18
147	Biosynthesis of zinc oxide nanoparticles by using fruits extracts of Ananas Comosus and its antibacterial activity. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 268-273.	0.8	18
148	Superhydrophobic ball clay based ceramic hollow fibre membrane via universal spray coating method for membrane distillation. <i>Separation and Purification Technology</i> , 2022, 288, 120574.	7.9	18
149	Recent progress on low-cost ceramic membrane for water and wastewater treatment. <i>Ceramics International</i> , 2022, 48, 24157-24191.	4.8	18
150	Effects of lanthanum strontium cobalt ferrite (LSCF) cathode properties on hollow fibre micro-tubular SOFC performances. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 517-526.	2.9	17
151	Physicochemical and micromechanical investigation of a nanocopper impregnated fibre reinforced nanocomposite. <i>RSC Advances</i> , 2015, 5, 100943-100955.	3.6	17
152	Performance evaluation of co-extruded microporous dual-layer hollow fiber membranes using a hybrid membrane photoreactor. <i>Desalination</i> , 2017, 403, 46-52.	8.2	17
153	Fabrication and characterization of affordable hydrophobic ceramic hollow fibre membrane for contacting processes. <i>Journal of Advanced Ceramics</i> , 2017, 6, 330-340.	17.4	17
154	Reduced graphene oxide-multiwalled carbon nanotubes hybrid film with low Pt loading as counter electrode for improved photovoltaic performance of dye-sensitised solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10723-10743.	2.2	17
155	Hydrothermal synthesis of TiO ₂ nanoflower deposited on bauxite hollow fibre membrane for boosting photocatalysis of bisphenol A. <i>Journal of Water Process Engineering</i> , 2020, 37, 101504.	5.6	17
156	Influence of the Natural Zeolite Particle Size Toward the Ammonia Adsorption Activity in Ceramic Hollow Fiber Membrane. <i>Membranes</i> , 2020, 10, 63.	3.0	17
157	Development of hydrophobic polymethylhydrosiloxane/tetraethylorthosilicate (PMHS/TEOS) hybrid coating on ceramic membrane for desalination via membrane distillation. <i>Journal of Membrane Science</i> , 2021, 637, 119609.	8.2	17
158	Facile synthesis of silver decorated reduced graphene oxide@zinc oxide as ternary nanocomposite: an efficient photocatalyst for the enhanced degradation of organic dye under UV-visible light. <i>Journal of Materials Science</i> , 2021, 56, 7434-7450.	3.7	17
159	Self-cleaning and anti-fouling superhydrophobic hierarchical ceramic surface synthesized from hydrothermal and fluorination methods. <i>Applied Surface Science</i> , 2022, 598, 153702.	6.1	17
160	A dual layer Ni/Ni-YSZ hollow fibre for micro-tubular SOFC anode support with a current collector. <i>Electrochemistry Communications</i> , 2011, 13, 93-95.	4.7	16
161	Comparison Between Anode-Supported and Electrolyte-Supported Ni- CGO -LSCF Micro-tubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2014, 14, 200-211.	2.4	16
162	Novel hybrid photocatalytic reactor-UF nanocomposite membrane system for bilge water degradation and separation. <i>RSC Advances</i> , 2015, 5, 45331-45340.	3.6	16

#	ARTICLE	IF	CITATIONS
163	Antifouling behavior and separation performance of immobilized TiO ₂ in dual layer hollow fiber membranes. <i>Polymer Engineering and Science</i> , 2018, 58, 1636-1643.	3.1	16
164	A novel single-step fabrication anode/electrolyte/cathode triple-layer hollow fiber micro-tubular SOFC. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18509-18515.	7.1	16
165	Structural and optical characteristics, and bacterial decolonization studies on non-reactive RF sputtered Cu@ZnO@ graphene based nanoparticles thin films. <i>Journal of Materials Science</i> , 2019, 54, 6515-6529.	3.7	16
166	ZIF-8 membrane supported on alumina hollow fiber with enhanced salt removal by forward osmosis. <i>Desalination</i> , 2020, 496, 114697.	8.2	16
167	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.	0.8	16
168	Effects of reduction time on the structural, electrical and thermal properties of synthesized reduced graphene oxide nanosheets. <i>Bulletin of Materials Science</i> , 2015, 38, 1569-1576.	1.7	15
169	Facile removal of bisphenol A from water through novel Ag-doped TiO ₂ photocatalytic hollow fiber ceramic membrane. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 29-39.	1.9	15
170	Surface matrix functionalization of ceramic-based membrane for oil-water separation: A mini-review. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1631-1641.	2.7	15
171	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.	8.0	15
172	Tuning the oxygen functional groups in graphene oxide nanosheets by optimizing the oxidation time. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 131, 114727.	2.7	15
173	Hydrophobic silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 9609-9621.	6.4	15
174	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.	2.6	14
175	Visible-Light Active Photocatalytic Dual Layer Hollow Fiber (DLHF) Membrane and Its Potential in Mitigating the Detrimental Effects of Bisphenol A in Water. <i>Membranes</i> , 2020, 10, 32.	3.0	14
176	Phenol removal and hydrogen production from water: Silver nanoparticles decorated on polyaniline wrapped zinc oxide nanorods. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 347-358.	5.8	14
177	Role of lithium oxide as a sintering aid for a CGO electrolyte fabricated via a phase inversion technique. <i>RSC Advances</i> , 2015, 5, 58154-58162.	3.6	13
178	Synthesis and performance evaluation of zeolitic imidazolate framework-8 membranes deposited onto alumina hollow fiber for desalination. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 439-449.	2.7	13
179	Wettability improvement of ceramic membrane by intercalating nano-Al ₂ O ₃ for oil and water separation. <i>Surfaces and Interfaces</i> , 2021, 25, 101178.	3.0	13
180	Progress in treatment of oilfield produced water using membrane distillation and potentials for beneficial re-use. <i>Separation and Purification Technology</i> , 2021, 278, 119494.	7.9	13

#	ARTICLE	IF	CITATIONS
181	Polyvinylidene Difluoride (PVDF) Hollow Fiber Membrane Incorporated with Antibacterial and Anti-Fouling by Zinc Oxide for Water and Wastewater Treatment. <i>Membranes</i> , 2022, 12, 110.	3.0	13
182	Anode supported micro-tubular SOFC fabricated with mixed particle size electrolyte via phase-inversion technique. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9188-9201.	7.1	12
183	Characterization of Bauxite as a Potential Natural Photocatalyst for Photodegradation of Textile Dye. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10031-10040.	3.0	12
184	Novel ceramic hollow fibre membranes contactor derived from kaolin and zirconia for ammonia removal and recovery from synthetic ammonia. <i>Journal of Membrane Science</i> , 2021, 638, 119707.	8.2	12
185	Comparative DCMD performance of hydrophobic-hydrophilic dual-layer hollow fibre PVDF membranes incorporated with different concentrations of carbon-based nanoparticles. <i>Separation and Purification Technology</i> , 2021, 274, 118948.	7.9	12
186	Braid-reinforced PVDF hollow fiber membranes for high-efficiency separation of oily wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107258.	6.7	12
187	Challenges, Opportunities and Future Directions of Membrane Technology for Natural Gas Purification: A Critical Review. <i>Membranes</i> , 2022, 12, 646.	3.0	12
188	Co-Extrusion / Phase Inversion / Co-Sintering for Fabrication of Hollow Fiber Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2009, 25, 665-672.	0.5	11
189	Structural Control of NiO-YSZ/LSCF-YSZ Dual-Layer Hollow Fiber Membrane for Potential Syngas Production. <i>International Journal of Applied Ceramic Technology</i> , 2016, 13, 799-809.	2.1	11
190	Stability study of extruded dual layer hollow fibre membranes in a long operation photocatalysis process. <i>Polymer Testing</i> , 2018, 68, 53-60.	4.8	11
191	Preparation and characterization of imprinted zeolite-Y for p-cresol removal in haemodialysis. <i>Materials Science and Engineering C</i> , 2019, 103, 109722.	7.3	11
192	Performance analysis of hollow fibre-based micro-tubular solid oxide fuel cell utilising methane fuel. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30754-30762.	7.1	11
193	Performance Analysis of Blended Membranes of Cellulose Acetate with Variable Degree of Acetylation for CO ₂ /CH ₄ Separation. <i>Membranes</i> , 2021, 11, 245.	3.0	11
194	Fabrication of zirconia-kaolin dual layer hollow fiber membrane: Physical and performance study for industrial wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021, 41, 102031.	5.6	11
195	Dual-layer hollow fibre haemodialysis membrane for effective uremic toxins removal with minimal blood-bacteria contamination. <i>AJ - Alexandria Engineering Journal</i> , 2022, 61, 10139-10152.	6.4	11
196	Emerging ionic liquid engineered polymeric membrane for carbon dioxide removal: A review. <i>Journal of Molecular Liquids</i> , 2022, 358, 119192.	4.9	11
197	Ni/Ni-YSZ Current Collector/Anode Dual Layer Hollow Fibers for Micro-tubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2011, 11, 690-696.	2.4	10
198	Efficient reduction of graphene oxide nanosheets using Na ₂ C ₂ O ₄ as a reducing agent. <i>Functional Materials Letters</i> , 2015, 08, 1550026.	1.2	10

#	ARTICLE	IF	CITATIONS
199	Membranes and Membrane Processes. , 2018, , 45-70.		10
200	Performance of Void-Free Electrospun SPEEK/Cloisite as a Function of Degree of Dispersion State on Nanocomposite Proton Exchange Membrane for Direct Methanol Fuel Cell Application. Membranes, 2019, 9, 7.	3.0	10
201	Linear /nonlinear optical susceptibility spectroscopic constants of polyaniline@graphene oxide nanocomposite thin films. Synthetic Metals, 2019, 251, 30-39.	3.9	10
202	An Overview of Membrane Distillation. , 2019, , 251-281.		10
203	Composite zeolite hollow fiber membrane for the removal of nickel using forward osmosis. Journal of Water Process Engineering, 2021, 40, 101806.	5.6	10
204	Large spin-dependent tunneling magnetoresistance in Fe ₃ O ₄ /PET heterostructures developed at room temperature: A promising candidate for flexible and wearable spintronics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 115033.	3.5	10
205	Low cost palm oil fuel ash based ceramic membranes for oily water separation. Malaysian Journal of Fundamental and Applied Sciences, 2018, 14, 419-424.	0.8	10
206	Fabrication of High Performance PVDF Hollow Fiber Membrane Using Less Toxic Solvent at Different Additive Loading and Air Gap. Membranes, 2021, 11, 843.	3.0	10
207	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.	2.3	10
208	Omniphobic surface modification of silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. Desalination, 2022, 532, 115705.	8.2	10
209	Bottlenecks and recent improvement strategies of ceramic membranes in membrane distillation applications: A review. Journal of the European Ceramic Society, 2022, 42, 5179-5194.	5.7	10
210	The influence of PEEK as a pore former on the microstructure of brush-painted LSCF cathodes. Journal of Solid State Electrochemistry, 2016, 20, 2895-2905.	2.5	9
211	Detection of saline-based refractive index changes via bilayer ZnO/Ag-coated glass optical fiber sensor. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	9
212	Zeolite-A deposited on glass hollow fiber for forward osmosis applications. Journal of Water Process Engineering, 2020, 33, 100991.	5.6	9
213	The impact of ZnO configuration as an external layer on the sensitivity of a bi-layer coated polymer optical fiber probe. RSC Advances, 2020, 10, 12864-12875.	3.6	9
214	Progress in Fe ₃ O ₄ -centered spintronic systems: Development, architecture, and features. Applied Materials Today, 2021, 25, 101181.	4.3	9
215	Bisphenol A Removal Using Visible Light Driven Cu ₂ O/PVDF Photocatalytic Dual Layer Hollow Fiber Membrane. Membranes, 2022, 12, 208.	3.0	9
216	Adsorptive Membranes for Heavy Metals Removal From Water. , 2019, , 361-400.		8

#	ARTICLE	IF	CITATIONS
217	Synthesis and characterizations of MIL-140B-Al ₂ O ₃ /YSZ ceramic membrane using solvothermal method for seawater desalination. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 291-300.	1.9	8
218	Effect of electrolyte thickness manipulation on enhancing carbon deposition resistance of methane-fueled solid oxide fuel cell. <i>International Journal of Energy Research</i> , 2021, 45, 2837-2855.	4.5	8
219	Preparation of Titanium Dioxide Hollow Fiber Membrane Using Phase Inversion and Sintering Technique for Gas Separation and Water Purification. <i>Sains Malaysiana</i> , 2015, 44, 1195-1201.	0.5	8
220	Electrocatalytic Study of Efficient Synthesized Graphene Nanosheets Incorporated with Pt Nanoparticles for Methanol Oxidation Reaction. <i>Electroanalysis</i> , 2016, 28, 222-226.	2.9	7
221	Preparation and characterization of glass hollow fiber membrane for water purification applications. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15918-15928.	5.3	7
222	Modelling of transport mechanisms and drying shrinkage for multilayer ceramic membrane structure. <i>Chemical Engineering Research and Design</i> , 2018, 133, 111-125.	5.6	7
223	Performance of PES/LSMM-OGCN Photocatalytic Membrane for Phenol Removal: Effect of OGCN Loading. <i>Membranes</i> , 2018, 8, 42.	3.0	7
224	High strength and antifouling metakaolin-based ceramic membrane for juice clarification. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 529-540.	1.9	7
225	Properties and performance evaluation of dual-layer ceramic hollow fiber with modified electrolyte for MT-SOFC. <i>Renewable Energy</i> , 2019, 134, 1423-1433.	8.9	7
226	Impedance analysis of charge transfer upon nickel doping in TiO ₂ -based flexible dye-sensitized solar cell. <i>Polymer Bulletin</i> , 2021, 78, 5755-5768.	3.3	7
227	FABRICATION OF CERAMIC, HOLLOW-FIBER MEMBRANE: THE EFFECT OF BAUXITE CONTENT AND SINTERING TEMPERATURE. <i>Clays and Clay Minerals</i> , 2020, 68, 309-318.	1.3	7
228	The Functionalization Study of PVDF/TiO ₂ Hollow Fibre Membranes Under Vacuum Calcination Exposure. <i>Journal of Physics: Conference Series</i> , 2021, 1912, 012035.	0.4	7
229	Synthesis and characterization of superoleophobic fumed alumina nanocomposite coated via the sol-gel process onto ceramic-based hollow fibre membrane for oil-water separation. <i>Ceramics International</i> , 2021, 47, 25883-25894.	4.8	7
230	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.	6.7	7
231	Novel approach to surface functionalization of mullite-kaolinite hollow fiber membrane using organosilane-functionalized Co ₃ O ₄ spider web-like layer deposition for desalination using direct contact membrane distillation. <i>Ceramics International</i> , 2022, 48, 21025-21036.	4.8	7
232	Optimization of Polysulfone / Graphene Oxide / Polyethylene Glycol / Triaminopyrimidine by Using Response Surface Methodology. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 318, 012064.	0.6	6
233	Comparative study on the performance of co-extruded hollow fiber solid oxide fuel cell fuelled with hydrogen and methane. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2195-2203.	2.5	6
234	An FBG magnetic sensor for oil flow monitoring in sandstone core. <i>RSC Advances</i> , 2019, 9, 35878-35886.	3.6	6

#	ARTICLE	IF	CITATIONS
235	Optimizing Ammonia Removal from Landfill Leachate Using Natural and Synthetic Zeolite Through Statically Designed Experiment. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 3657-3669.	3.0	6
236	Ammonia removal by adsorptive clinoptilolite ceramic membrane: Effect of dosage, isothermal behavior and regeneration process. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 807-815.	2.7	6
237	Study on the effect of air gap on physico-chemical and performance of PVDF hollow fibre membrane. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1142, 012014.	0.6	6
238	Research and Development Journey and Future Trends of Hollow Fiber Membranes for Purification Applications (1970â€“2020): A Bibliometric Analysis. <i>Membranes</i> , 2021, 11, 600.	3.0	6
239	Fabrication and characterization of robust zirconia-kaolin hollow fiber membrane: Alkaline dissolution study in ammonia solution. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2446-2460.	2.7	6
240	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.	0.8	6
241	Characteristic properties of ceramic membrane derived from fly ash with different loadings and sintering temperature. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 414-420.	0.8	6
242	A Review Study of Nanofibers in Photocatalytic Process for Wastewater Treatment. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 65, .	0.4	5
243	Preparation and characterisation of inexpensive porous kaolin hollow fibre as ceramic membrane supports for gas separation application. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 645-655.	1.9	5
244	Dual-layer hollow fiber MT-SOFC using lithium doped CGO electrolyte fabricated via phase-inversion technique. <i>Solid State Ionics</i> , 2017, 304, 113-125.	2.7	5
245	Highly permeable photo-catalytic mesoporous aluminum oxide membrane for oil emulsion separation. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 323-335.	1.9	5
246	INCORPORATION OF IMPRINTED-ZEOLITE TO POLYETHERSULFONE/CELLULOSE ACETATE MEMBRANE FOR CREATININE REMOVAL IN HEMODIALYSIS TREATMENT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2019, 81, .	0.4	5
247	Preparation, characterization and performance evaluation of supported zeolite on porous glass hollow fiber for desalination application. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3429-3439.	4.9	5
248	Superhydrophobic ceramic hollow fibre membranes for trapping carbon dioxide from natural gas via the membrane contactor system. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 705-717.	1.9	5
249	Fabrication, Optimization, and Performance of a TiO ₂ Coated Bentonite Membrane for Produced Water Treatment: Effect of Grafting Time. <i>Membranes</i> , 2021, 11, 739.	3.0	5
250	Effect of sintering temperature of bauxite hollow fiber membrane on flexural strength and water permeability. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 190-193.	0.8	5
251	Preliminary studies on hydrothermal synthesis of zeolite from Malaysian kaolin clays. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019, 15, 421-425.	0.8	5
252	Comparative study of Malaysian and Nigerian kaolin-based ceramic hollow fiber membranes for filtration application. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2020, 16, 182-185.	0.8	5

#	ARTICLE	IF	CITATIONS
253	Fabrication of Dual Layer Hollow Fibre Membranes for Photocatalytic Degradation of Organic Pollutants. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2015, 6, 289-292.	0.3	5
254	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106878.	6.7	5
255	Optimization of a High-Performance Poly(diallyl dimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (chloride)-Oily Wastewater via Response Surface Methodology Approach. <i>Membranes</i> , 2021, 11, 956.	3.0	5
256	Miniaturized FPI-FBG integrated sensor for parallel monitoring of magnetic field and magnetic fluid refractive index. <i>Physica Scripta</i> , 2022, 97, 075502.	2.5	5
257	Polymer based Membrane Electrospun Fiber in Fuel Cell Application: A Short Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 69, .	0.4	4
258	THE FEASIBILITY OF KAOLIN AS MAIN MATERIAL FOR LOW COST POROUS CERAMIC HOLLOW FIBRE MEMBRANE PREPARED USING COMBINED PHASE INVERSION AND SINTERING TECHNIQUE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	4
259	Porous polyether sulfone for direct methanol fuel cell applications: Structural analysis. <i>International Journal of Energy Research</i> , 2021, 45, 2277-2291.	4.5	4
260	Fabrication, performance evaluation, and optimisation of adsorptive ammonia removal using hollow fibre ceramic membrane: Response surface methodology approach. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110932.	4.4	4
261	In-Vitro Study of Polysulfone-polyethylene glycol/chitosan (PEG-PSf/CS) Membranes for Urea and Creatinine Permeation. <i>Jurnal Kimia Sains Dan Aplikasi</i> , 2020, 23, 283-289.	0.4	4
262	A review on process design and bilayer electrolyte materials of bipolar membrane fuel cell. <i>International Journal of Energy Research</i> , 2022, 46, 11620-11639.	4.5	4
263	A green membrane distillation system for seawater desalination: Response surface modelling and optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 361, 012011.	0.6	3
264	Adsorption of phosphate from aqueous solutions using waste mussel shell. <i>MATEC Web of Conferences</i> , 2018, 250, 06013.	0.2	3
265	PMRs in Photodegradation of Organic Contaminants. , 2018, , 189-208.		3
266	A novel one-step synthesis of nanocluster-like Pt incorporated reduced graphene oxide as robust nanocatalyst for highly efficient electro-catalytic oxidation of methanol. <i>Materials Letters</i> , 2019, 254, 37-41.	2.6	3
267	Al ₂ O ₃ /Yttria-stabilized Zirconia Hollow Fiber Membrane Incorporated with Iron Oxide for Pb(II) Removal. <i>Chemical Engineering and Technology</i> , 2019, 42, 1321-1329.	1.5	3
268	West African kenaf (<i>Hibiscus Cannabinus</i> L.) natural fiber composite for application in automotive industry. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018, 14, 397-402.	0.8	3
269	Effect of Sintering Temperature on the Fabrication of Ceramic Hollow Fibre Membrane. <i>ASEAN Journal of Chemical Engineering</i> , 2016, 15, 1.	0.5	3
270	Facile and economical, single-step single-chemical method for conversion of palm oil fuel ash waste into graphene nanosheets. <i>Applied Materials Today</i> , 2021, 25, 101193.	4.3	3

#	ARTICLE	IF	CITATIONS
271	Low Nickel, Ceria Zirconia-Based Micro-Tubular Solid Oxide Fuel Cell: A Study of Composition and Oxidation Using Hydrogen and Methane Fuel. Sustainability, 2021, 13, 13789.	3.2	3
272	EFFECTS OF BISPHENOL A ON NEONATAL CARDIOMYOCYTES BEATING RATE AND MORPHOLOGY. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	2
273	A comprehensive study on the surface chemistry of particulate matter collected from Jeddah, Saudi Arabia. Journal of Atmospheric Chemistry, 2018, 75, 271-283.	3.2	2
274	Comprehensive Study of Morphological Modification of Dual-Layer Hollow Fiber Membrane. Arabian Journal for Science and Engineering, 2019, 44, 10041-10055.	3.0	2
275	Graphene-based material for self-healing: mechanism, synthesis, characteristics, and applications. , 2020, , 163-175.		2
276	Effect of Polyhedral Silsesquioxane Functionalized Sulfonic Acid Groups Incorporated Into Highly Sulfonated Polyphenylsulfone as Proton-Conducting Membrane. Arabian Journal for Science and Engineering, 2021, 46, 6399-6407.	3.0	2
277	Oily Wastewater Treatment. Environmental Chemistry for A Sustainable World, 2021, , 353-385.	0.5	2
278	Fabrication and characterization of composite hollow fibre membrane derived from hydroxyapatite cow bone and kaolin. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012011.	0.6	2
279	Influence of Fe ₂ O ₃ in ZnO/GO-based dye-sensitized solar cell. Polymer Bulletin, 0, , 1.	3.3	2
280	Effect of sintering temperature on perovskite-based hollow fiber as a substrate for cathode-supported micro-tubular solid oxide fuel cell. Journal of the Australian Ceramic Society, 2021, 57, 1199-1208.	1.9	2
281	LOW CONCENTRATION OF BISPHENOL A INDUCES PROLIFERATION OF GASTRIC CANCER CELLS, HGC-27. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.4	2
282	Development of Free-Standing Titanium Dioxide Hollow Nanofibers Photocatalyst with Enhanced Recyclability. Membranes, 2022, 12, 342.	3.0	2
283	The Effect of BPA-Treated Water on the Small Intestine via an In Vivo Study. Toxics, 2022, 10, 296.	3.7	2
284	Preparation of High Performance SPEEK/Cloisite 15A Nanocomposite Membrane via Advanced Membrane Formulation Method. Jurnal Teknologi (Sciences and Engineering), 2014, 70, .	0.4	1
285	Carbon Dioxide (CO ₂) Separation from Natural Gas using Single-layer and Dual-layer Mixed-matrix Membranes (MMMs). Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	1
286	Efficient Visible Photoluminescence from Self-Assembled Ge QDs Embedded in Silica Matrix. Chinese Physics Letters, 2017, 34, 068102.	3.3	1
287	Silica-Based Hollow Fiber Membrane for Water Treatment. , 2017, , 157-180.		1
288	Morphological control of La _{0.7} Sr _{0.3} Co _{0.2} Fe _{0.8} O _{3-δ} and La _{0.7} Sr _{0.3} MnO _{3-δ} catalytic membrane using PEG-H ₂ O additive. IOP Conference Series: Materials Science and Engineering, 2018, 348, 012008.	0.6	1

#	ARTICLE	IF	CITATIONS
289	Preparation and characterization of dual-layer hollow fibre catalyst membrane for oxygen transport. AIP Conference Proceedings, 2018, , .	0.4	1
290	Chitosan based modified polymers designed to enhance membrane permeation capability. IOP Conference Series: Materials Science and Engineering, 2019, 509, 012122.	0.6	1
291	Conversion and characterization of synthetic zeolite using low grade kaolin from Mersing area of Johor. AIP Conference Proceedings, 2019, , .	0.4	1
292	UV LED Curing of Hydrogel-Modified Textiles with High Anti-Fouling Resistance. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 699-704.	0.3	1
293	An electrochemical sensor based on PANI-Ag _{1-x} Fe _x nanocomposite thin films irradiated by 10 kGy of gamma ray for E. coli detection applications. Materials Research Innovations, 2022, 26, 159-167.	2.3	1
294	Textile dye Reactive Black 5 (RB5) removal by visible light photocatalyst and its characterization. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012017.	0.6	1
295	A dependence study: Molecular weight of polyethylene glycol (PEG) ON La _{0.7} Sr _{0.3} Co _{0.2} Fe _{0.8} O _{3-δ} (LSCF) Tj ETQq1 1 0.784314 rgBT Sciences, 2021, , .	2.0	1
296	Effect of sintering temperature on composite hollow fibre membrane derived from hydroxyapatite cow bone and kaolin. Journal of Physics: Conference Series, 2021, 2051, 012026.	0.4	1
297	Morphological Study of Synthesized RGO/Pt Nanocomposites via Facile Chemical Reduction Method. Sains Malaysiana, 2017, 46, 629-635.	0.5	1
298	Ultrafiltration Membrane for Water Treatment. Engineering Materials, 2020, , 119-145.	0.6	1
299	High Performance Membrane for Natural Gas Sweetening Plants. Advances in Science, Technology and Innovation, 2021, , 59-72.	0.4	1
300	Enhanced photovoltaic performance of various temperature TiO ₂ -SiO ₂ -Ni-GO dye-sensitized solar cells assembled with PAN gel electrolyte. Journal of Sol-Gel Science and Technology, 2022, 101, 269-278.	2.4	1
301	<sc>Solâ€gel</sc> based copper metallic layer as external anode for microtubular solid oxide fuel cell. International Journal of Energy Research, 0, , .	4.5	1
302	Effect of Sintering Aid on CGO Electrolyte for the Fabrication of Low Cost, Structural-controlled Solid Oxide Fuel Cell. Jurnal Teknologi (Sciences and Engineering), 2014, 70, .	0.4	0
303	PVDF MEMBRANE FOR OIL-IN-WATER SEPARATION VIA CROSS-FLOW ULTRAFILTRATION PROCESS. Jurnal Teknologi (Sciences and Engineering), 2015, 78, .	0.4	0
304	Structural Change of Cathode with Pore Former Addition in SOFC. Advanced Materials Research, 0, 1087, 299-303.	0.3	0
305	A MORPHOLOGICAL STUDY OF NICKEL OXIDE HOLLOW FIBER MEMBRANES: EFFECT OF AIR GAP & SINTERING TEMPERATURE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
306	INVESTIGATION ON THE EFFECT OF SINTERING TEMPERATURE ON KAOLIN HOLLOW FIBRE MEMBRANE FOR WATER APPLICATION. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0

#	ARTICLE	IF	CITATIONS
307	Recent Progress on the Utilization of Nanomaterials in Microtubular Solid Oxide Fuel Cell. , 2018, , 497-516.		0
308	TREATMENT OF HYPERBILIRUBINEMIA: VARIOUS TECHNOLOGIES AND CHALLENGES. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	0
309	Stability study of triple layer hollow fiber in solid oxide fuel cell with methane as fuel. Ionics, 2020, 26, 3073-3083.	2.4	0
310	A Short Review on Raman Studies of Metal Chalcogenide Semiconductor Thin Films. Asian Journal of Chemistry, 2021, 33, 1481-1487.	0.3	0
311	Aerogels in the environment protection. , 2021, , 245-257.		0
312	Proton Conductions. Polymers and Polymeric Composites, 2019, , 977-1010.	0.6	0
313	Solid Electrolyte Membranes for Low- and High-Temperature Fuel Cells. Advances in Science, Technology and Innovation, 2021, , 109-125.	0.4	0