Juhana Jaafar

List of Publications by Year
in descending order

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273 papers	8,477 citations	34016 52 h-index	74018 75 g-index

276 all docs	276 docs citations	276 times ranked	6820 citing authors

#	Article	IF	Citations
1	Polyaniline decorated graphene oxide on sulfonated poly(ether ether ketone) membrane for direct methanol fuel cells application. Polymers for Advanced Technologies, 2022, 33, 66-80.	1.6	18
2	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. Journal of Hazardous Materials, 2022, 424, 127298.	6.5	23
3	Tailoring the properties of polyamide thin film membrane with layered double hydroxide nanoclay for enhancement in water separation. Current Applied Physics, 2022, 34, 36-40.	1.1	8
4	Electrocatalytic performance impact of various bimetallic Pt-Pd alloy atomic ratio in robust ternary nanocomposite electrocatalyst toward boosting of methanol electrooxidation reaction. Electrochimica Acta, 2022, 403, 139608.	2.6	9
5	The evolution of oxygen-functional groups of graphene oxide as a function of oxidation degree. Materials Chemistry and Physics, 2022, 278, 125629.	2.0	19
6	Polyvinylidene Difluoride (PVDF) Hollow Fiber Membrane Incorporated with Antibacterial and Anti-Fouling by Zinc Oxide for Water and Wastewater Treatment. Membranes, 2022, 12, 110.	1.4	13
7	Superhydrophobic ball clay based ceramic hollow fibre membrane via universal spray coating method for membrane distillation. Separation and Purification Technology, 2022, 288, 120574.	3.9	18
8	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. Catalysts, 2022, 12, 209.	1.6	11
9	Bisphenol A Removal Using Visible Light Driven Cu2O/PVDF Photocatalytic Dual Layer Hollow Fiber Membrane. Membranes, 2022, 12, 208.	1.4	9
10	Influence of mesoporous phosphotungstic acid on the physicochemical properties and performance of sulfonated poly ether ether ketone in proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2022, 47, 10736-10746.	3.8	8
11	Hydrophobic silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. AEJ - Alexandria Engineering Journal, 2022, 61, 9609-9621.	3.4	15
12	Grand Challenge in Membrane Fabrication: Membrane Science and Technology. , 2022, 1, .		11
13	Adsorptive membrane for heavy metal removal: Material, fabrication, and performance. Materials Today: Proceedings, 2022, , .	0.9	2
14	Utilization of mesoporous phosphotungstic acid in nanocellulose membranes for direct methanol fuel cells. RSC Advances, 2022, 12, 14411-14421.	1.7	9
15	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
16	Recent progress on low-cost ceramic membrane for water and wastewater treatment. Ceramics International, 2022, 48, 24157-24191.	2.3	18
17	Bottlenecks and recent improvement strategies of ceramic membranes in membrane distillation applications: A review. Journal of the European Ceramic Society, 2022, 42, 5179-5194.	2.8	10
18	An improved hybrid nanocomposites of rice husk derived graphene (GRHA)/Zeolitic imidazolate framework-8 for hydrogen adsorption. International Journal of Hydrogen Energy, 2021, 46, 24864-24876.	3.8	11

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19	Mild sulfonated polyether ketone ether ketone ketone incorporated polysulfone membranes for microbial fuel cell application. Journal of Applied Polymer Science, 2021, 138, 50216.	1.3	6
20	Recent progress in metal-ceramic anode of solid oxide fuel cell for direct hydrocarbon fuel utilization: A review. Fuel Processing Technology, 2021, 212, 106626.	3.7	66
21	Fabrication and characterisation of superhydrophobic bio-ceramic hollow fibre membranes prepared from cow bone waste. Ceramics International, 2021, 47, 4178-4186.	2.3	19
22	Porous polyether sulfone for direct methanol fuel cell applications: Structural analysis. International Journal of Energy Research, 2021, 45, 2277-2291.	2.2	4
23	Effect of electrolyte thickness manipulation on enhancing carbon deposition resistance of methaneâ€fueled solid oxide fuel cell. International Journal of Energy Research, 2021, 45, 2837-2855.	2.2	8
24	Applicability of TiO2(B) nanosheets@hydrochar composites for adsorption of tetracycline (TC) from contaminated water. Journal of Hazardous Materials, 2021, 405, 123999.	6.5	62
25	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.	1.7	2
26	Highly Sulfonated Poly(Ether Ether Ketone) Blend with Hydrophobic Polyether Sulfone as an Alternative Electrolyte for Proton Exchange Membrane Fuel Cell. Arabian Journal for Science and Engineering, 2021, 46, 6189-6205.	1.7	4
27	Effect of fluorosurfactant on alumina membrane for oil and water separation. Materials Today: Proceedings, 2021, 46, 1983-1989.	0.9	1
28	Oily Wastewater Treatment. Environmental Chemistry for A Sustainable World, 2021, , 353-385.	0.3	2
29	Titanium dioxide hollow nanofibers for enhanced photocatalytic activities. Materials Today: Proceedings, 2021, 46, 2004-2011.	0.9	3
30	Nanocomposite membrane by incorporating graphene oxide in sulfonated polyether ether ketone for direct methanol fuel cell. Materials Today: Proceedings, 2021, 46, 2084-2091.	0.9	6
31	Synthesis of solid and hollow TiO2 nanofibers with electrospinning method. AIP Conference Proceedings, 2021, , .	0.3	0
32	Superhydrophobic ceramic hollow fibre membranes for trapping carbon dioxide from natural gas via the membrane contactor system. Journal of the Australian Ceramic Society, 2021, 57, 705-717.	1.1	5
33	Advanced ternary RGO/bimetallic Pt-Pd alloy/CeO2 nanocomposite electrocatalyst by one-step hydrothermal-assisted formic acid reduction reaction for methanol electrooxidation. Journal of Environmental Chemical Engineering, 2021, 9, 104991.	3.3	19
34	Novel silica sand hollow fibre ceramic membrane for oily wastewater treatment. Journal of Environmental Chemical Engineering, 2021, 9, 104975.	3.3	30
35	Metal Organic Framework in Membrane Separation for Wastewater Treatment: Potential and Way Forward. Arabian Journal for Science and Engineering, 2021, 46, 6109-6130.	1.7	10
36	Titanium Dioxide Incorporated Polyamide Thin Film Composite Photocatalytic Membrane for Bisphenol A Removal. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012015.	0.3	6

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37	Fabrication and characterization of hydroxyapatite based cow bone polysulfone mixed matrix membrane. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012010.	0.3	2
38	REVIEW ON THE DEVELOPMENT OF FUEL CELLS AND ITS FUTURE PROSPECTS. Jurnal Teknologi (Sciences) Tj ETQq0 0 0 rgBT /Overlock	0.3	1
39	The influence of calcination temperature on the optical, morphological properties and photocatalytic activity of lanthanum orthoferrite. IOP Conference Series: Materials Science and Engineering, 2021, 1142, 012001.	0.3	1
40	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.	0.3	2
41	Comparison of different activated agents on biomass-derived graphene towards the hybrid nanocomposites with zeolitic imidazolate framework-8 for room temperature hydrogen storage. Journal of Environmental Chemical Engineering, 2021, 9, 105118.	3.3	9
42	Recovering heavy metals from electroplating wastewater and their conversion into Zn2Cr-layered double hydroxide (LDH) for pyrophosphate removal from industrial wastewater. Chemosphere, 2021, 271, 129861.	4.2	64
43	Synthesis and characterization of conductive polymer coated graphitic carbon nitride embedded sulfonated poly (ether ether ketone) membranes for direct methanol fuel cell applications. International Journal of Energy Research, 2021, 45, 16649-16666.	2.2	4
44	Arsenic removal in aqueous solutions using FeS2. Journal of Environmental Management, 2021, 286, 112246.	3.8	63
45	A dependence study: Molecular weight of polyethylene glycol (PEG) ON La0.7Sr0.3Co0.2Fe0.8O3â˜Î´ (LSCF) Tj ETQq1 1 0.784314 rgBT Sciences, 2021, , .	1.2	1
46	An overview of superhydrophobic ceramic membrane surface modification for oil-water separation. Journal of Materials Research and Technology, 2021, 12, 643-667.	2.6	90
47	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.	1.1	2
48	Fabrication of zirconia-kaolin dual layer hollow fiber membrane: Physical and performance study for industrial wastewater treatment. Journal of Water Process Engineering, 2021, 41, 102031.	2.6	11
49	Development of high strength, porous mullite ceramic hollow fiber membrane for treatment of oily wastewater. Ceramics International, 2021, 47, 15367-15382.	2.3	38
50	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	1.4	19
51	Tuning the oxygen functional groups in graphene oxide nanosheets by optimizing the oxidation time. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 131, 114727.	1.3	15
52	A novel imogolite-reinforced sulfonated polyphenylsulfone as proton exchange membrane in fuel cell applications. Journal of Environmental Chemical Engineering, 2021, 9, 105641.	3.3	7
53	A review on advancement and future perspective of 3D hierarchical porous aerogels based on electrospun polymer nanofibers for electrochemical energy storage application. Journal of Environmental Chemical Engineering, 2021, 9, 105437.	3.3	23
54	Wettability improvement of ceramic membrane by intercalating nano-Al2O3 for oil and water separation. Surfaces and Interfaces, 2021, 25, 101178.	1.5	13

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55	A review on the potential of photocatalysis in combatting SARS-CoV-2 in wastewater. Journal of Water Process Engineering, 2021, 42, 102111.	2.6	29
56	Impact of exfoliated structure on the performance of electrospun SPEEK/cloisite nanocomposite membranes as proton exchange membranes for direct methanol fuel cell application. Journal of Environmental Chemical Engineering, 2021, 9, 105319.	3.3	8
57	Research and Development Journey and Future Trends of Hollow Fiber Membranes for Purification Applications (1970â€“2020): A Bibliometric Analysis. Membranes, 2021, 11, 600.	1.4	6
58	Fabrication and characterization of modified PVDF hollow fiber membrane coated with hydrophobic surface modifying macromolecules for desalination application. Journal of Environmental Chemical Engineering, 2021, 9, 105582.	3.3	9
59	Improvement in properties of nanocrystalline cellulose/poly (vinylidene fluoride) nanocomposite membrane for direct methanol fuel cell application. Journal of Environmental Chemical Engineering, 2021, 9, 105577.	3.3	20
60	Polyethersulfone ultrafiltration membrane incorporated with ferric-based metal-organic framework for textile wastewater treatment. Separation and Purification Technology, 2021, 270, 118819.	3.9	62
61	Synthesis and characterization of superoleophobic fumed alumina nanocomposite coated via the sol-gel process onto ceramic-based hollow fibre membrane for oil-water separation. Ceramics International, 2021, 47, 25883-25894.	2.3	7
62	Fabrication, Optimization, and Performance of a TiO2 Coated Bentonite Membrane for Produced Water Treatment: Effect of Grafting Time. Membranes, 2021, 11, 739.	1.4	5
63	Fabrication and characterization of robust zirconia-kaolin hollow fiber membrane: Alkaline dissolution study in ammonia solution. Korean Journal of Chemical Engineering, 2021, 38, 2446-2460.	1.2	6
64	Functionalized boron nitride embedded sulfonated poly (ether ether ketone) proton exchange membrane for direct methanol fuel cell applications. Journal of Environmental Chemical Engineering, 2021, 9, 105876.	3.3	27
65	Significant improvement in antibacterial property of ZIF-8 decorated graphene oxide by post-synthetic modification process. Journal of Environmental Chemical Engineering, 2021, 9, 105887.	3.3	21
66	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
67	Novel ceramic hollow fibre membranes contactor derived from kaolin and zirconia for ammonia removal and recovery from synthetic ammonia. Journal of Membrane Science, 2021, 638, 119707.	4.1	12
68	Comparative DCMD performance of hydrophobic-hydrophilic dual-layer hollow fibre PVDF membranes incorporated with different concentrations of carbon-based nanoparticles. Separation and Purification Technology, 2021, 274, 118948.	3.9	12
69	Inclusion of zeolitic imidazolate framework-8 (ZIF-8) crystals within porous polyether sulfone (PES) via filtration methods as potential electrolytes for DMFC applications. Materials Today: Proceedings, 2021, 46, 1843-1847.	0.9	2
70	Synthesis of nanocellulose composite membrane and its properties for direct methanol fuel cell. Materials Today: Proceedings, 2021, 46, 1998-2003.	0.9	4
71	Modification of zeolitic imidazolate framework-8 with amine groups for improved antibacterial activity. Materials Today: Proceedings, 2021, 46, 2024-2029.	0.9	5
72	Immobilization techniques of a photocatalyst into and onto a polymer membrane for photocatalytic activity. RSC Advances, 2021, 11, 6985-7014.	1.7	76

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73	Development of sulfonated poly(ether ether ketone)/polyethersulfone <scp>â€‹</scp> crosslinked quaternary ammonium poly(ether ether ketone) bipolar membrane electrolyte via <scp>hotâ€press</scp> approach for hydrogen/oxygen fuel cell. International Journal of Energy Research, 2021, 45, 9210-9228.	2.2	13
74	Advanced Vulcan XC-72@PtNPs and graphite@PtNPs nanocomposite electrocatalyst towards electrooxidation of methanol: A comparison study. Materials Today: Proceedings, 2021, 46, 1889-1894.	0.9	0
75	Effect of sintering temperature on composite hollow fibre membrane derived from hydroxyapatite cow bone and kaolin. Journal of Physics: Conference Series, 2021, 2051, 012026.	0.3	1
76	Solid Electrolyte Membranes for Low- and High-Temperature Fuel Cells. Advances in Science, Technology and Innovation, 2021, , 109-125.	0.2	0
77	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
78	Seawater Desalination by Modified Membrane Distillation: Effect of Hydrophilic Surface Modifying Macromolecules Addition into PVDF Hollow Fiber Membrane. Membranes, 2021, 11, 924.	1.4	4
79	Optimization of a High-Performance Poly(diallyl dimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (chloride)-al Oily Wastewater via Response Surface Methodology Approach. Membranes, 2021, 11, 956.	1.4	5
80	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.	1.6	3
81	Facile fabrication of superhydrophobic and superoleophilic green ceramic hollow fiber membrane derived from waste sugarcane bagasse ash for oil/water separation. Arabian Journal of Chemistry, 2020, 13, 3558-3570.	2.3	26
82	Preparation, characterization and performance evaluation of supported zeolite on porous glass hollow fiber for desalination application. Arabian Journal of Chemistry, 2020, 13, 3429-3439.	2.3	5
83	Ceramic Membrane Distillation for Desalination. Separation and Purification Reviews, 2020, 49, 317-356.	2.8	31
84	Preparation and characterization of inexpensive kaolin hollow fibre membrane (KHFM) prepared using phase inversion/sintering technique for the efficient separation of real oily wastewater. Arabian Journal of Chemistry, 2020, 13, 2349-2367.	2.3	50
85	Arsenic adsorption mechanism on palm oil fuel ash (POFA) powder suspension. Journal of Hazardous Materials, 2020, 383, 121214.	6.5	35
86	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. Ceramics International, 2020, 46, 1512-1525.	2.3	22
87	Novel hydroxyapatite-based bio-ceramic hollow fiber membrane derived from waste cow bone for textile wastewater treatment. Chemical Engineering Journal, 2020, 379, 122396.	6.6	88
88	Emerging chitosan and cellulose green materials for ion exchange membrane fuel cell: a review. Energy, Ecology and Environment, 2020, 5, 85-107.	1.9	46
89	Eco-friendly method for synthesis of zeolitic imidazolate framework 8 decorated graphene oxide for antibacterial activity enhancement. Particuology, 2020, 49, 24-32.	2.0	18
90	High degree sulfonated poly(ether ether ketone) blend with polyvinylidene fluoride as a potential proton-conducting membrane fuel cell. High Performance Polymers, 2020, 32, 103-115.	0.8	8

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91	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
92	Impact of sintering temperature and pH of feed solution on adsorptive removal of ammonia from wastewater using clinoptilolite based hollow fibre ceramic membrane. Journal of Water Process Engineering, 2020, 33, 101063.	2.6	23
93	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
94	Hematite microcube decorated TiO2 nanorods as heterojunction photocatalyst with in-situ carbon doping derived from polysaccharides bio-templates hydrothermal carbonization. Journal of Alloys and Compounds, 2020, 820, 153143.	2.8	20
95	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
96	ZIF-8 membrane supported on alumina hollow fiber with enhanced salt removal by forward osmosis. Desalination, 2020, 496, 114697.	4.0	16
97	Surface matrix functionalization of ceramic-based membrane for oil-water separation: A mini-review. Korean Journal of Chemical Engineering, 2020, 37, 1631-1641.	1.2	15
98	Incorporation of poly(vinylidene fluoride) in sulfonated poly(ether ether ketone) matrix for membrane mechanical stiffness. IOP Conference Series: Materials Science and Engineering, 2020, 736, 052003.	0.3	1
99	Hydrothermal synthesis of TiO2 nanoflower deposited on bauxite hollow fibre membrane for boosting photocatalysis of bisphenol A. Journal of Water Process Engineering, 2020, 37, 101504.	2.6	17
100	Impact of organosilanes modified <scp>superhydrophobicâ€superoleophilic</scp> kaolin ceramic membrane on efficiency of oil recovery from produced water. Journal of Chemical Technology and Biotechnology, 2020, 95, 3300-3315.	1.6	28
101	Fabrication of magnesium bentonite hollow fibre ceramic membrane for oil-water separation. Arabian Journal of Chemistry, 2020, 13, 5996-6008.	2.3	27
102	Preparation and characterization of polyacrylonitrile-based activated carbon nanofibers/graphene (gACNFs) composite synthesized by electrospinning. AIP Advances, 2020, 10, 055117.	0.6	8
103	Improved properties of sulfonated octaphenyl polyhedral silsequioxane cross-link with highly sulfonated polyphenylsulfone as proton exchange membrane. Journal of Solid State Electrochemistry, 2020, 24, 1185-1195.	1.2	6
104	Development of high-performance anode/electrolyte/cathode micro-tubular solid oxide fuel cell via phase inversion-based co-extrusion/co-sintering technique. Journal of Power Sources, 2020, 467, 228345.	4.0	23
105	Integrated green membrane distillation-microalgae bioremediation for arsenic removal from Pengorak River Kuantan, Malaysia. Chemical Engineering and Processing: Process Intensification, 2020, 153, 107996.	1.8	18
106	Functionalizing TiO2 with graphene oxide for enhancing photocatalytic degradation of methylene blue (MB) in contaminated wastewater. Journal of Environmental Management, 2020, 270, 110871.	3.8	142
107	Antifouling properties of hollow fibre alumina membrane incorporated with graphene oxide frameworks. Journal of Environmental Chemical Engineering, 2020, 8, 104059.	3.3	10
108	Synthetic polymer-based membranes for direct methanol fuel cell (DMFC) applications. , 2020, , 337-363.		3

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109	Crosslinked carbon nanodots with highly sulfonated polyphenylsulfone as proton exchange membrane for fuel cell applications. International Journal of Hydrogen Energy, 2020, 45, 9979-9988.	3.8	29
110	Photocatalytic materials-based membranes for efficient water treatment. , 2020, , 209-230.		4
111	Visible-Light Active Photocatalytic Dual Layer Hollow Fiber (DLHF) Membrane and Its Potential in Mitigating the Detrimental Effects of Bisphenol A in Water. Membranes, 2020, 10, 32.	1.4	14
112	Hybrid Membrane Distillation and Wet Scrubber for Simultaneous Recovery of Heat and Water from Flue Gas. Entropy, 2020, 22, 178.	1.1	7
113	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. Membranes, 2020, 10, 34.	1.4	45
114	Enhanced performance and antibacterial properties of amine-functionalized ZIF-8-decorated GO for ultrafiltration membrane. Separation and Purification Technology, 2020, 239, 116554.	3.9	67
115	Effects of pre and post-ozonation on POFA hollow fibre ceramic adsorptive membrane for arsenic removal in water. Journal of the Taiwan Institute of Chemical Engineers, 2020, 110, 100-111.	2.7	19
116	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
117	Influence of the Natural Zeolite Particle Size Toward the Ammonia Adsorption Activity in Ceramic Hollow Fiber Membrane. Membranes, 2020, 10, 63.	1.4	17
118	Highly selective SPEEK/ENR blended polymer electrolyte membranes for direct methanol fuel cell. Materials Today Energy, 2020, 17, 100427.	2.5	13
119	Ultrafiltration Membrane for Water Treatment. Engineering Materials, 2020, , 119-145.	0.3	1
120	Application of immobilized TiO2 on PVDF dual layer hollow fibre membrane to improve the photocatalytic removal of pharmaceuticals in different water matrices. Applied Catalysis B: Environmental, 2019, 240, 9-18.	10.8	91
121	Highly permeable photo-catalytic mesoporous aluminum oxide membrane for oil emulsion separation. Journal of the Australian Ceramic Society, 2019, 55, 323-335.	1.1	5
122	Comprehensive Study of Morphological Modification of Dual-Layer Hollow Fiber Membrane. Arabian Journal for Science and Engineering, 2019, 44, 10041-10055.	1.7	2
123	A novel one-step synthesis of nanocluster-like Pt incorporated reduced graphene oxide as robust nanocatalyst for highly efficient electro-catalytic oxidation of methanol. Materials Letters, 2019, 254, 37-41.	1.3	3
124	Incorporation of N-doped TiO2 into dual layer hollow fiber (DLHF) membrane for visible light-driven photocatalytic removal of reactive black 5. Polymer Testing, 2019, 78, 105939.	2.3	30
125	Electro-spun of novel PVDF-Pt-Pd/RGO-CeO2 composite nanofibers as the high potential of robust anode catalyst in direct methanol fuel cell: Fabrication and characterization. Inorganic Chemistry Communication, 2019, 107, 107487.	1.8	9
126	Membrane Surface Patterning as a Fouling Mitigation Strategy in Liquid Filtration: A Review. Polymers, 2019, 11, 1687.	2.0	50

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127	Finned spacer for efficient membrane fouling control in produced water filtration. Journal of Environmental Management, 2019, 249, 109359.	3.8	13
128	Removal of As(<scp>iii</scp>) and As(<scp>v</scp>) from water using green, silica-based ceramic hollow fibre membranes via direct contact membrane distillation. RSC Advances, 2019, 9, 3367-3376.	1.7	25
129	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.	1.4	10
130	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C3N4 grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. Journal of Industrial and Engineering Chemistry, 2019, 77, 393-407.	2.9	64
131	Comparative study on the performance of co-extruded hollow fiber solid oxide fuel cell fuelled with hydrogen and methane. Journal of Solid State Electrochemistry, 2019, 23, 2195-2203.	1.2	6
132	Facile synthesis of highly favorable graphene oxide: Effect of oxidation degree on the structural, morphological, thermal and electrochemical properties. Materialia, 2019, 6, 100344.	1.3	32
133	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. Journal of Alloys and Compounds, 2019, 793, 232-246.	2.8	77
134	Photocatalytic performance of TiO2/Clinoptilolite: Comparison study in suspension and hybrid photocatalytic membrane reactor. Chemosphere, 2019, 228, 241-248.	4.2	41
135	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. Separation and Purification Technology, 2019, 222, 264-277.	3.9	37
136	Enhancement of visible light photocatalytic hydrogen evolution by bio-mimetic C-doped graphitic carbon nitride. International Journal of Hydrogen Energy, 2019, 44, 13098-13105.	3.8	48
137	Recent trends of heavy metal removal from water/wastewater by membrane technologies. Journal of Industrial and Engineering Chemistry, 2019, 76, 17-38.	2.9	490
138	Al 2 O 3 /Yttriaâ€Stabilized Zirconia Hollowâ€Fiber Membrane Incorporated with Iron Oxide for Pb(II) Removal. Chemical Engineering and Technology, 2019, 42, 1321-1329.	0.9	3
139	Hydrophobic ceramic membrane for membrane distillation: A mini review on preparation, characterization, and applications. Separation and Purification Technology, 2019, 217, 71-84.	3.9	94
140	Synthesis and performance evaluation of zeolitic imidazolate framework-8 membranes deposited onto alumina hollow fiber for desalination. Korean Journal of Chemical Engineering, 2019, 36, 439-449.	1.2	13
141	Feasibility study of CAU-1 deposited on alumina hollow fiber for desalination applications. Separation and Purification Technology, 2019, 217, 247-257.	3.9	29
142	An Overview of Membrane Distillation. , 2019, , 251-281.		10
143	Adsorptive Membranes for Heavy Metals Removal From Water. , 2019, , 361-400.		8
144	High strength and antifouling metakaolin-based ceramic membrane for juice clarification. Journal of the Australian Ceramic Society, 2019, 55, 529-540.	1.1	7

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145	Feasibility study of the hybrid adsorptive hollow fibre ceramic membrane (HFCM) derived from natural zeolite for the removal of ammonia in wastewater. Chemical Engineering Research and Design, 2019, 122, 378-385.	2.7	26
146	Photocatalytic degradation of phenol by LaFeO3 nanocrystalline synthesized by gel combustion method via citric acid route. SN Applied Sciences, 2019, 1, 1.	1.5	11
147	Novel superhydrophobic and superoleophilic sugarcane green ceramic hollow fibre membrane as hybrid oil sorbent-separator of real oil and water mixture. Materials Letters, 2019, 240, 136-139.	1.3	22
148	Revealing the role of kapok fibre as bio-template for In-situ construction of C-doped g-C3N4@C, N co-doped TiO2 core-shell heterojunction photocatalyst and its photocatalytic hydrogen production performance. Applied Surface Science, 2019, 476, 205-220.	3.1	66
149	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. Chemical Engineering Journal, 2019, 360, 1437-1446.	6.6	66
150	Effects of the Citric Acid Addition on the Morphology, Surface Area, and Photocatalytic Activity of LaFeO₃ Nanoparticles Prepared by Glucose-Based Gel Combustion Methods. Industrial & Engineering Chemistry Research, 2019, 58, 609-617.	1.8	15
151	Pretreated aluminium dross waste as a source of inexpensive alumina-spinel composite ceramic hollow fibre membrane for pretreatment of oily saline produced water. Ceramics International, 2019, 45, 2069-2078.	2.3	41
152	Effects of hydrophilic surface macromolecule modifier loading on PES/O-g-C3N4 hybrid photocatalytic membrane for phenol removal. Applied Surface Science, 2019, 465, 180-191.	3.1	60
153	Properties and performance evaluation of dual-layer ceramic hollow fiber with modified electrolyte for MT-SOFC. Renewable Energy, 2019, 134, 1423-1433.	4.3	7
154	Performance analysis of hollow fibre-based micro-tubular solid oxide fuel cell utilising methane fuel. International Journal of Hydrogen Energy, 2019, 44, 30754-30762.	3.8	11
155	A low cost hydrophobic kaolin hollow fiber membrane (h-KHFM) for arsenic removal from aqueous solution via direct contact membrane distillation. Separation and Purification Technology, 2019, 214, 31-39.	3.9	75
156	Proton Conductions. Polymers and Polymeric Composites, 2019, , 977-1010.	0.6	0
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