

Ahmad Fauzi Ismail

List of Publications by Year in descending order

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Version: 2024-02-01

1,083
papers

54,701
citations

1704

104
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3915

177
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1105
all docs

1105
docs citations

1105
times ranked

31614
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on preparation, surface enhancement and adsorption mechanism of <sc>biocharâ€supported</sc> nano <sc>zeroâ€valent</sc> iron adsorbent for hazardous heavy metals. Journal of Chemical Technology and Biotechnology, 2023, 98, 22-44.	3.2	18
2	Eco-friendly surface modification approach to develop thin film nanocomposite membrane with improved desalination and antifouling properties. Journal of Advanced Research, 2022, 36, 39-49.	9.5	37
3	Photocatalytic membranes: a new perspective for persistent organic pollutants removal. Environmental Science and Pollution Research, 2022, 29, 12506-12530.	5.3	27
4	Improved hydrophilic and antifouling performance of nanocomposite ultrafiltration zwitterionic polyphenylsulfone membrane for protein rejection applications. Journal of Nanostructure in Chemistry, 2022, 12, 343-364.	9.1	3
5	Advancements in modification of membrane materials over membrane separation for biomedical applications-Review. Environmental Research, 2022, 204, 112045.	7.5	12
6	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. Journal of Applied Polymer Science, 2022, 139, 51661.	2.6	9
7	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.	3.2	18
8	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.	12.4	23
9	Advances of nanomaterials for air pollution remediation and their impacts on the environment. Chemosphere, 2022, 287, 132083.	8.2	53
10	Parametric analysis of lignocellulosic ultrafiltration in lab scale cross flow module using pore blocking and artificial neural network model. Chemosphere, 2022, 286, 131822.	8.2	4
11	Effects of nanomaterials on biodegradation of biomaterials. , 2022, , 105-135.		0
12	Membrane contactor (membrane absorption) and membrane adsorption. , 2022, , 147-164.		0
13	Membrane gas separation. , 2022, , 77-111.		1
14	Reverse osmosis, forward osmosis, and pressure-retarded osmosis. , 2022, , 31-60.		0
15	Membrane technology: A versatile tool for saline wastewater treatment and resource recovery. Desalination, 2022, 521, 115377.	8.2	98
16	Greener synthesis of functionalized-GO incorporated TFN NF membrane for potential recovery of saline water from salt/dye mixed solution. Desalination, 2022, 523, 115403.	8.2	28
17	Functionalized halloysite nanotubes incorporated thin film nanocomposite nanofiltration membrane for treatment of wastewaters containing metal ions. Chemical Engineering Research and Design, 2022, 157, 334-351.	5.6	10
18	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.	2.4	8

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19	The Impacts of Iron Oxide Nanoparticles on Membrane Properties for Water and Wastewater Applications: a Review. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 5443-5464.	3.0	3
20	On Performance and fouling of thin film composite hollow Fiber membranes using polycarbonate/polyvinylchloride as porous substrates for forward osmosis applications. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106828.	6.7	7
21	Surface-tailoring chlorine resistant materials and strategies for polyamide thin film composite reverse osmosis membranes. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 564-591.	4.4	6
22	Enhancing water flux and antifouling properties of PES hollow fiber membranes via incorporation of surface-functionalized Fe_3O_4 nanoparticles. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1006-1020.	3.2	5
23	ZIF-8 membrane: the synthesis technique and nanofiltration application. <i>Emergent Materials</i> , 2022, 5, 1289-1310.	5.7	4
24	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
25	Fabrication of MoS_2/rGO and $\text{MoS}_2/\text{ZIF-8}$ membranes supported on flat alumina substrate for effective oil removal. <i>Emergent Materials</i> , 2022, 5, 1169-1182.	5.7	6
26	Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress. <i>Membranes</i> , 2022, 12, 148.	3.0	7
27	Recent Advances of Polymeric Membranes in Tackling Plasticization and Aging for Practical Industrial CO_2/CH_4 Applications—A Review. <i>Membranes</i> , 2022, 12, 71.	3.0	37
28	Critical Flux and Fouling Analysis of PVDF-Mixed Matrix Membranes for Reclamation of Refinery-Produced Wastewater: Effect of Mixed Liquor Suspended Solids Concentration and Aeration. <i>Membranes</i> , 2022, 12, 161.	3.0	4
29	Flux Increase Occurring When an Ultrafiltration Membrane Is Flipped from a Normal to an Inverted Position—Experiments and Theory. <i>Membranes</i> , 2022, 12, 129.	3.0	4
30	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
31	Facile fabrication of polyethyleneimine interlayer-assisted graphene oxide incorporated reverse osmosis membranes for water desalination. <i>Desalination</i> , 2022, 526, 115502.	8.2	23
32	Nanocrystalline cellulose incorporated biopolymer tailored polyethersulfone mixed matrix membranes for efficient treatment of produced water. <i>Chemosphere</i> , 2022, 293, 133561.	8.2	14
33	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
34	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
35	The State-of-the-Art Functionalized Nanomaterials for Carbon Dioxide Separation Membrane. <i>Membranes</i> , 2022, 12, 186.	3.0	1
36	Photocatalytic Filtration of Zinc Oxide-Based Membrane with Enhanced Visible Light Responsiveness for Ibuprofen Removal. <i>Catalysts</i> , 2022, 12, 209.	3.5	11

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37	Bisphenol A Removal Using Visible Light Driven Cu ₂ O/PVDF Photocatalytic Dual Layer Hollow Fiber Membrane. <i>Membranes</i> , 2022, 12, 208.	3.0	9
38	A 15-year review of novel monomers for thin-film composite membrane fabrication for water applications. , 2022, , 97-129.		0
39	Polyethyleneimine-impregnated activated carbon nanofiber composited graphene-derived rice husk char for efficient post-combustion CO ₂ capture. <i>Nanotechnology Reviews</i> , 2022, 11, 926-944.	5.8	8
40	Performance of TFN nanofiltration membranes through embedding internally modified titanate nanotubes. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 1902-1918.	2.7	6
41	Development of Free-Standing Titanium Dioxide Hollow Nanofibers Photocatalyst with Enhanced Recyclability. <i>Membranes</i> , 2022, 12, 342.	3.0	2
42	Grapefruit Oil and Cobalt Nitrate-Loaded Polyurethane Hybrid Nanofibrous Scaffold for Biomedical Applications. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	0
43	Graphene oxide encapsulated forsterite scaffolds to improve mechanical properties and antibacterial behavior. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 035011.	3.3	6
44	Synthesis of bismuth ferrite by sol-gel auto combustion method: Impact of citric acid concentration on its physicochemical properties. <i>Materials Chemistry and Physics</i> , 2022, 282, 125983.	4.0	12
45	Antimicrobial Synthetic and Natural Polymeric Nanofibers as Wound Dressing: A Review. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	30
46	Accelerated spraying-assisted layer by layer assembly of polyethyleneimine/titania nanosheet on thin film composite membrane for reverse osmosis desalination. <i>Desalination</i> , 2022, 529, 115645.	8.2	22
47	A review on recent progress in environmental applications of membrane contactor technology. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107631.	6.7	30
48	Omniphobic surface modification of silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. <i>Desalination</i> , 2022, 532, 115705.	8.2	10
49	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
50	Impacts of the harvesting process on microalgae fatty acid profiles and lipid yields: Implications for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112410.	16.4	17
51	Nanomaterials for microplastic remediation from aquatic environment: Why nano matters?. <i>Chemosphere</i> , 2022, 299, 134418.	8.2	40
52	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
53	Dual-layer hollow fibre haemodialysis membrane for effective uremic toxins removal with minimal blood-bacteria contamination. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10139-10152.	6.4	11
54	A Review on the Use of Membrane Technology Systems in Developing Countries. <i>Membranes</i> , 2022, 12, 30.	3.0	37

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55	Performance of mixed matrix ultrafiltration membrane for textile wastewater treatment. <i>Materials Today: Proceedings</i> , 2022, 65, 3015-3019.	1.8	9
56	Metal organic framework (MOF)-based composite filler incorporated thin film nanocomposite of hollow fiber membrane for carbon dioxide permeance. <i>Materials Today: Proceedings</i> , 2022, 65, 3060-3065.	1.8	1
57	Controlling Air Bubble Formation Using Hydrophilic Microfiltration Diffuser for <i>C. vulgaris</i> Cultivation. <i>Membranes</i> , 2022, 12, 414.	3.0	4
58	Adsorptive membrane for heavy metal removal: Material, fabrication, and performance. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	2
59	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
60	Bio-polymer modified nanoclay embedded forward osmosis membranes with enhanced desalination performance. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	10
61	Tailoring the permeability and flux stability of forward osmosis membrane with tert-butylamine functionalized carbon nanotubes for paracetamol removal. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107977.	6.7	5
62	Tuneable molecular selective boron nitride nanosheet ultrafiltration lamellar membrane for dye exclusion to remediate the environment. <i>Chemosphere</i> , 2022, 303, 135066.	8.2	3
63	The Effect of BPA-Treated Water on the Small Intestine via an In Vivo Study. <i>Toxics</i> , 2022, 10, 296.	3.7	2
64	Removal of emerging organic micropollutants via modified-reverse osmosis/nanofiltration membranes: A review. <i>Chemosphere</i> , 2022, 305, 135151.	8.2	34
65	A Review on Antibacterial Biomaterials in Biomedical Applications: From Materials Perspective to Bioinks Design. <i>Polymers</i> , 2022, 14, 2238.	4.5	24
66	Tailoring the substrate of thin film reverse osmosis membrane through a novel Fe^{2+} -FeOOH nanorods templating strategy: An insight into the effects on interfacial polymerization of polyamide. <i>Journal of Membrane Science</i> , 2022, 657, 120706.	8.2	8
67	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
68	Bottlenecks and recent improvement strategies of ceramic membranes in membrane distillation applications: A review. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5179-5194.	5.7	10
69	Impact of nanoclays on polyvinylidene fluoride mixed matrix membranes for the efficient treatment of oily-wastewater. <i>Micro and Nanosystems</i> , 2022, 14, .	0.6	1
70	The state-of-the-art development of photocatalysts for the degradation of persistent herbicides in wastewater. <i>Science of the Total Environment</i> , 2022, 843, 156975.	8.0	32
71	N ₂ /CH ₄ separation behavior at elevated temperature on P84 hollow fiber carbon membrane. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	3
72	Effect of solvent on the physicochemical properties of electrospun nanocomposite with gamat oil and cerium oxide for potential medical engineering application. <i>Journal of the Textile Institute</i> , 2021, 112, 1545-1554.	1.9	2

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73	Incorporation of thermally labile additives in polyimide carbon membrane for hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24855-24863.	7.1	7
74	An improved hybrid nanocomposites of rice husk derived graphene (GRHA)/Zeolitic imidazolate framework-8 for hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24864-24876.	7.1	11
75	Mechanical property, antibacterial activity and cytocompatibility of a PMMA-based bone cement loaded with clindamycin for orthopaedic surgeries. <i>Materials Technology</i> , 2021, 36, 564-573.	3.0	5
76	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
77	Magnetic rod induced asymmetric membrane: Effect of iron oxide composition to phenol removal by adsorption. <i>Materials Chemistry and Physics</i> , 2021, 258, 123862.	4.0	11
78	Influence of ZnO nanostructure configuration on tailoring the optical bandgap: Theory and experiment. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114811.	3.5	19
79	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
80	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
81	Poly(methyl methacrylate) bone cement, its rise, growth, downfall and future. <i>Polymer International</i> , 2021, 70, 1182-1201.	3.1	36
82	Thin film nanocomposite RO membranes: Review on fabrication techniques and impacts of nanofiller characteristics on membrane properties. <i>Chemical Engineering Research and Design</i> , 2021, 165, 81-105.	5.6	47
83	Photocatalytic degradation of aerobically treated palm oil mill effluent using titania nanotubes prepared via hydrothermal technique. <i>Materials Today: Proceedings</i> , 2021, 46, 1813-1817.	1.8	2
84	Recent development in modification of polysulfone membrane for water treatment application. <i>Journal of Water Process Engineering</i> , 2021, 40, 101835.	5.6	68
85	Simultaneous oily wastewater adsorption and photodegradation by ZrO ₂ /TiO ₂ heterojunction photocatalysts. <i>Journal of Water Process Engineering</i> , 2021, 39, 101644.	5.6	21
86	Ibuprofen removal through photocatalytic filtration using antifouling PVDF- ZnO/Ag ₂ CO ₃ /Ag ₂ O nanocomposite membrane. <i>Materials Today: Proceedings</i> , 2021, 42, 69-74.	1.8	18
87	Enhancing hydrogen gas separation performance of thin film composite membrane through facilely blended polyvinyl alcohol and PEBAX. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19737-19748.	7.1	25
88	Insights into metal-organic frameworks-integrated membranes for desalination process: A review. <i>Desalination</i> , 2021, 500, 114867.	8.2	70
89	Innovative polymer-complex draw solution for copper(II) removal using forward osmosis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104854.	6.7	8
90	Pillared cloisite 15A as an enhancement filler in polysulfone mixed matrix membranes for CO ₂ /N ₂ and O ₂ /N ₂ gas separation. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 86, 103720.	4.4	37

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91	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
92	Zeolitic imidazolate framework-L incorporated graphene oxide hybrid for cadmium removal. Materials Today: Proceedings, 2021, 42, 8-14.	1.8	7
93	Effect of binary zinc-magnesium oxides on polyphenylsulfone/cellulose acetate derivatives hollow fiber membranes for the decontamination of arsenic from drinking water. Chemical Engineering Journal, 2021, 405, 126809.	12.7	31
94	Characterization and biological properties of nanostructured clinoenstatite scaffolds for bone tissue engineering applications. Materials Chemistry and Physics, 2021, 259, 123969.	4.0	15
95	A brief review on carbon selective membranes from polymer blends for gas separation performance. Reviews in Chemical Engineering, 2021, 37, 339-362.	4.4	10
96	Nanocomposites for Environmental and Energy Applications. Nanomaterials, 2021, 11, 345.	4.1	6
97	Forward osmosis-based hybrid processes for water and wastewater treatment. , 2021, , 121-144.		1
98	Poly(methyl methacrylate)-Based Composite Bone Cements With Different Types of Reinforcement Agents. , 2021, , 867-886.		0
99	Additive Manufacturing of Polymer Matrix Composites. , 2021, , 1013-1028.		4
100	Recent progress of polyamide thin film nanocomposite membranes for water applications. , 2021, , 125-145.		0
101	The influence of pretreatment step on hollow braided PET fabric as a potential membrane substrate. Materials Today: Proceedings, 2021, 46, 1990-1997.	1.8	4
102	Titanium dioxide hollow nanofibers for enhanced photocatalytic activities. Materials Today: Proceedings, 2021, 46, 2004-2011.	1.8	3
103	Nanocomposite membrane by incorporating graphene oxide in sulfonated polyether ether ketone for direct methanol fuel cell. Materials Today: Proceedings, 2021, 46, 2084-2091.	1.8	6
104	Fabrication and Characterization of Fibrous Polycaprolactone Blended with Natural Green Tea Extracts Using Dual Solvent Systems. Autex Research Journal, 2021, .	1.1	1
105	The applications of integrated osmosis processes for desalination and wastewater treatment. , 2021, , 313-332.		0
106	Nanocellulose-Based Materials for Heavy Metal Removal from Wastewater. Environmental Chemistry for A Sustainable World, 2021, , 1-34.	0.5	0
107	Advances in Nanocomposite Membranes. Membranes, 2021, 11, 158.	3.0	4
108	Activated biochar supported iron-copper oxide bimetallic catalyst for degradation of ciprofloxacin via photo-assisted electro-Fenton process: A mild pH condition. Journal of Water Process Engineering, 2021, 39, 101888.	5.6	32

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109	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
110	The utilization of micro-mesoporous carbon-based filler in the P84 hollow fibre membrane for gas separation. <i>Royal Society Open Science</i> , 2021, 8, 201150.	2.4	5
111	A novel approach to predict the skin layer porosity of porous asymmetric membranes via gas permeation test. <i>Chemical Engineering Research and Design</i> , 2021, 166, 197-208.	5.6	5
112	Novel silica sand hollow fibre ceramic membrane for oily wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104975.	6.7	30
113	Activated carbon nanofibers incorporated metal oxides for CO ₂ adsorption: Effects of different type of metal oxides. <i>Journal of CO₂ Utilization</i> , 2021, 45, 101434.	6.8	42
114	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
115	Metal Organic Framework in Membrane Separation for Wastewater Treatment: Potential and Way Forward. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6109-6130.	3.0	10
116	Green Approaches for Sustainable Development of Liquid Separation Membrane. <i>Membranes</i> , 2021, 11, 235.	3.0	20
117	Energy Efficient Seawater Desalination: Strategies and Opportunities. <i>Energy Technology</i> , 2021, 9, 2100008.	3.8	8
118	Improved Bacteriostatic and Anticorrosion Effects of Polycaprolactone/Chitosan Coated Magnesium via Incorporation of Zinc Oxide. <i>Materials</i> , 2021, 14, 1930.	2.9	12
119	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
120	Facile purification of palygorskite and its effect on the performance of reverse osmosis thin film nanocomposite membrane. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 1832-1841.	3.2	2
121	Copper Adsorption on ZIF-8/Alumina Hollow Fiber Membrane: A Response Surface Methodology Analysis. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 6775-6786.	3.0	11
122	Comparison of different activated agents on biomass-derived graphene towards the hybrid nanocomposites with zeolitic imidazolate framework-8 for room temperature hydrogen storage. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105118.	6.7	9
123	Environmentally friendly approach for the fabrication of polyamide thin film nanocomposite membrane with enhanced antifouling and antibacterial properties. <i>Separation and Purification Technology</i> , 2021, 260, 118249.	7.9	19
124	Synthesis and characterization of conductive polymer coated graphitic carbon nitride embedded sulfonated poly (ether ether ketone) membranes for direct methanol fuel cell applications. <i>International Journal of Energy Research</i> , 2021, 45, 16649-16666.	4.5	4
125	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
126	Visible light induced photodegradation of bio-polymeric waste using boron-enhanced titania nanotubes. <i>Journal of Alloys and Compounds</i> , 2021, 864, 158146.	5.5	1

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127	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
128	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
129	Effect of sintering temperature on perovskite-based hollow fiber as a substrate for cathode-supported micro-tubular solid oxide fuel cell. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 1199-1208.	1.9	2
130	Antioxidant and antithrombotic study of novel chitosan-diallyl disulfide inclusion complexes nanoparticles for hemodialysis applications. <i>Reactive and Functional Polymers</i> , 2021, 163, 104894.	4.1	10
131	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
132	A Comprehensive Review on Surface Modifications of Biodegradable Magnesium-Based Implant Alloy: Polymer Coatings Opportunities and Challenges. <i>Coatings</i> , 2021, 11, 747.	2.6	48
133	Rapid and eco-friendly technique for surface modification of TFC RO membrane for improved filtration performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105227.	6.7	25
134	Performance of polysulfone hollow fiber membranes encompassing ZIF-8, SiO ₂ /ZIF-8, and amine-modified SiO ₂ /ZIF-8 nanofillers for CO ₂ /CH ₄ and CO ₂ /N ₂ gas separation. <i>Separation and Purification Technology</i> , 2021, 264, 118471.	7.9	66
135	Development of a P84/ZCC Composite Carbon Membrane for Gas Separation of H ₂ /CO ₂ and H ₂ /CH ₄ . <i>ACS Omega</i> , 2021, 6, 15637-15650.	3.5	20
136	New Concept of Thin-Film Composite Nanofiltration Membrane Fabrication Using a Mist-Based Interfacial Polymerization Technique. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 9167-9178.	3.7	24
137	Review on characteristics of biomaterial and nanomaterials based polymeric nanocomposite membranes for seawater treatment application. <i>Environmental Research</i> , 2021, 197, 111177.	7.5	10
138	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
139	Enhanced performance of lanthanum orthoferrite/chitosan nanocomposites for adsorptive photocatalytic removal of Reactive Black 5. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1648-1659.	2.7	7
140	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. <i>Desalination</i> , 2021, 506, 115002.	8.2	22
141	A review of technologies for the phenolic compounds recovery and phenol removal from wastewater. <i>Chemical Engineering Research and Design</i> , 2021, 151, 257-289.	5.6	132
142	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. <i>Membranes</i> , 2021, 11, 581.	3.0	19
143	Superwetting materials for hydrophilic-oleophobic membrane in oily wastewater treatment. <i>Journal of Environmental Management</i> , 2021, 290, 112565.	7.8	45
144	Effect of various operating parameters towards PVDF/HMO mixed matrix membrane performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105667.	6.7	3

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145	A novel imogolite-reinforced sulfonated polyphenylsulfone as proton exchange membrane in fuel cell applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105641.	6.7	7
146	Flux enhancement in reverse osmosis membranes induced by synergistic effect of incorporated palygorskite/chitin hybrid nanomaterial. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105432.	6.7	15
147	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
148	Review on tungsten trioxide as a photocatalysts for degradation of recalcitrant pollutants. <i>Journal of Cleaner Production</i> , 2021, 309, 127438.	9.3	37
149	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
150	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
151	Dual-function ZIF-8 membrane supported on alumina hollow fiber membrane for copper(II) removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105343.	6.7	7
152	Development of anti-microbial polyvinylidene fluoride (PVDF) membrane using bio-based ginger extract-silica nanoparticles (GE-SiNPs) for bovine serum albumin (BSA) filtration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 125, 323-331.	5.3	17
153	Polyethersulfone ultrafiltration membrane incorporated with ferric-based metal-organic framework for textile wastewater treatment. <i>Separation and Purification Technology</i> , 2021, 270, 118819.	7.9	62
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1064	Direct measurement of rheologically induced molecular orientation in gas separation hollow fibre membranes and effects on selectivity. Journal of Membrane Science, 1997, 126, 133-137.	8.2	71
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1082	<scp>Solâ€gel</scp> based copper metallic layer as external anode for microtubular solid oxide fuel cell. <i>International Journal of Energy Research</i> , 0, , .	4.5	1
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