

Mohd Hafiz Dzarfan Othman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

293
papers

5,237
citations

39
h-index

58
g-index

316
ext. papers

7,051
ext. citations

5
avg, IF

6.36
L-index

#	Paper	IF	Citations
293	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	8.3	1
292	Braid-reinforced PVDF hollow fiber membranes for high-efficiency separation of oily wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107258	6.8	2
291	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	7.9	4
290	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	8.3	5
289	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	12.8	3
288	Progress in treatment of oilfield produced water using membrane distillation and potentials for beneficial re-use. <i>Separation and Purification Technology</i> , 2022 , 278, 119494	8.3	3
287	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 ,	6.3	2
286	A Review of Titanium Dioxide (TiO)-Based Photocatalyst for Oilfield-Produced Water Treatment.. <i>Membranes</i> , 2022 , 12,	3.8	9
285	Recent Progress, Challenges, and Opportunities of Membrane Distillation for Heavy Metals Removal.. <i>Chemical Record</i> , 2022 , e202100323	6.6	1
284	Omniphobic surface modification of silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. <i>Desalination</i> , 2022 , 532, 115705	10.3	0
283	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	6.8	4
282	Hydrophobic silica sand ceramic hollow fiber membrane for desalination via direct contact membrane distillation. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 9609-9621	6.1	0
281	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	6.1	0
280	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	10.3	8
279	Emerging ionic liquid engineered polymeric membrane for carbon dioxide removal: A review. <i>Journal of Molecular Liquids</i> , 2022 , 358, 119192	6	3
278	The Effect of BPA-Treated Water on the Small Intestine via an In Vivo Study. <i>Toxics</i> , 2022 , 10, 296	4.7	
277	Self-cleaning and anti-fouling superhydrophobic hierarchical ceramic surface synthesized from hydrothermal and fluorination methods. <i>Applied Surface Science</i> , 2022 , 598, 153702	6.7	4

276	WO ₃ -Based photocatalysts: A review on synthesis, performance enhancement and photocatalytic memory for environmental applications. <i>Ceramics International</i> , 2021 , 48, 5845-5845	5.1	6
275	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106878	6.8	0
274	Effect of sintering temperature on composite hollow fibre membrane derived from hydroxyapatite cow bone and kaolin. <i>Journal of Physics: Conference Series</i> , 2021 , 2051, 012026	0.3	
273	Waste Reutilization in Polymeric Membrane Fabrication: A New Direction in Membranes for Separation. <i>Membranes</i> , 2021 , 11,	3.8	2
272	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	6.6	
271	Fabrication of High Performance PVDF Hollow Fiber Membrane Using Less Toxic Solvent at Different Additive Loading and Air Gap. <i>Membranes</i> , 2021 , 11,	3.8	1
270	Solid Electrolyte Membranes for Low- and High-Temperature Fuel Cells. <i>Advances in Science, Technology and Innovation</i> , 2021 , 109-125	0.3	
269	Design and characterization of ceramic hollow fiber membrane derived from waste ash using phase inversion-based extrusion/sintering technique for water filtration. <i>Journal of Asian Ceramic Societies</i> , 2021 , 9, 341-358	2.4	1
268	High Performance Membrane for Natural Gas Sweetening Plants. <i>Advances in Science, Technology and Innovation</i> , 2021 , 59-72	0.3	
267	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	14.7	9
266	Performance Analysis of Blended Membranes of Cellulose Acetate with Variable Degree of Acetylation for CO/CH Separation. <i>Membranes</i> , 2021 , 11,	3.8	3
265	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	2.8	2
264	Large spin-dependent tunneling magnetoresistance in Fe ₃ O ₄ /PET heterostructures developed at room temperature: A promising candidate for flexible and wearable spintronics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 265, 115033	3.1	2
263	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	5.3	1
262	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	6.7	26
261	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	0.4	2
260	Textile dye Reactive Black 5 (RB5) removal by visible light photocatalyst and its characterization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1142, 012017	0.4	
259	Fabrication and characterization of composite hollow fibre membrane derived from hydroxyapatite cow bone and kaolin. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1142, 012011	0.4	1

258	Recovering heavy metals from electroplating wastewater and their conversion into ZnCr-layered double hydroxide (LDH) for pyrophosphate removal from industrial wastewater. <i>Chemosphere</i> , 2021 , 271, 129861	8.4	25
257	Arsenic removal in aqueous solutions using FeS. <i>Journal of Environmental Management</i> , 2021 , 286, 1122469	7.9	13
256	The Functionalization Study of PVDF/TiO ₂ Hollow Fibre Membranes Under Vacuum Calcination Exposure. <i>Journal of Physics: Conference Series</i> , 2021 , 1912, 012035	0.3	3
255	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	9.3	28
254	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	10.3	10
253	An overview of superhydrophobic ceramic membrane surface modification for oil-water separation. <i>Journal of Materials Research and Technology</i> , 2021 , 12, 643-667	5.5	21
252	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	1.5	0
251	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	6.7	3
250	Development of high strength, porous mullite ceramic hollow fiber membrane for treatment of oily wastewater. <i>Ceramics International</i> , 2021 , 47, 15367-15382	5.1	8
249	Resource recovery toward sustainability through nutrient removal from landfill leachate. <i>Journal of Environmental Management</i> , 2021 , 287, 112265	7.9	17
248	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	3	2
247	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	32
246	Fabrication and characterisation of superhydrophobic bio-ceramic hollow fibre membranes prepared from cow bone waste. <i>Ceramics International</i> , 2021 , 47, 4178-4186	5.1	9
245	Porous polyether sulfone for direct methanol fuel cell applications: Structural analysis. <i>International Journal of Energy Research</i> , 2021 , 45, 2277-2291	4.5	2
244	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	2
243	Applicability of TiO(B) nanosheets@hydrochar composites for adsorption of tetracycline (TC) from contaminated water. <i>Journal of Hazardous Materials</i> , 2021 , 405, 123999	12.8	20
242	Composite zeolite hollow fiber membrane for the removal of nickel using forward osmosis. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101806	6.7	4
241	Effect of Polyhedral Silsesquioxane Functionalized Sulfonic Acid Groups Incorporated Into Highly Sulfonated Polyphenylsulfone as Proton-Conducting Membrane. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 6399-6407	2.5	1

240	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	10.3	20
239	Oily Wastewater Treatment. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 353-385	0.8	
238	A Short Review on Raman Studies of Metal Chalcogenide Semiconductor Thin Films. <i>Asian Journal of Chemistry</i> , 2021 , 33, 1481-1487	0.4	
237	Aerogels in the environment protection 2021 , 245-257		
236	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	1.5	2
235	Novel silica sand hollow fibre ceramic membrane for oily wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104975	6.8	10
234	Resource recovery from landfill leachate: An experimental investigation and perspectives. <i>Chemosphere</i> , 2021 , 274, 129986	8.4	17
233	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	4.1	5
232	A review on the potential of photocatalysis in combatting SARS-CoV-2 in wastewater.. <i>Journal of Water Process Engineering</i> , 2021 , 42, 102111	6.7	14
231	Research and Development Journey and Future Trends of Hollow Fiber Membranes for Purification Applications (1970-2020): A Bibliometric Analysis. <i>Membranes</i> , 2021 , 11,	3.8	3
230	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	5.1	1
229	Fabrication, Optimization, and Performance of a TiO Coated Bentonite Membrane for Produced Water Treatment: Effect of Grafting Time. <i>Membranes</i> , 2021 , 11,	3.8	1
228	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	6.8	4
227	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	6.5	8
226	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	9.6	4
225	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	9.6	4
224	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	8.3	4
223	Progress in Fe ₃ O ₄ -centered spintronic systems: Development, architecture, and features. <i>Applied Materials Today</i> , 2021 , 25, 101181	6.6	2

222	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	4.1	11
221	Immobilization techniques of a photocatalyst into and onto a polymer membrane for photocatalytic activity. <i>RSC Advances</i> , 2021 , 11, 6985-7014	3.7	28
220	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	4.3	6
219	Low Nickel, Ceria Zirconia-Based Micro-Tubular Solid Oxide Fuel Cell: A Study of Composition and Oxidation Using Hydrogen and Methane Fuel. <i>Sustainability</i> , 2021 , 13, 13789	3.6	0
218	Fabrication of magnesium bentonite hollow fibre ceramic membrane for oil-water separation. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 5996-6008	5.9	11
217	Development of high performance amine functionalized zeolitic imidazolate framework (ZIF-8)/cellulose triacetate mixed matrix membranes for CO ₂ /CH ₄ separation. <i>International Journal of Energy Research</i> , 2020 , 44, 7989-7999	4.5	14
216	Polymeric membranes for desalination using membrane distillation: A review. <i>Desalination</i> , 2020 , 490, 114530	10.3	60
215	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	8.9	9
214	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	3.7	9
213	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	7.9	60
212	Stability study of triple layer hollow fiber in solid oxide fuel cell with methane as fuel. <i>Ionics</i> , 2020 , 26, 3073-3083	2.7	
211	The impact of ZnO configuration as an external layer on the sensitivity of a bi-layer coated polymer optical fiber probe.. <i>RSC Advances</i> , 2020 , 10, 12864-12875	3.7	4
210	Fabrication, characterization, and application of ternary magnetic recyclable BiWO ₄ /BiOI@FeO composite for photodegradation of tetracycline in aqueous solutions. <i>Journal of Environmental Management</i> , 2020 , 270, 110839	7.9	25
209	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	9.5	5
208	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,	3.8	7
207	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. <i>Membranes</i> , 2020 , 10,	3.8	26
206	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	7.9	20
205	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	7

204	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	9.6	19
203	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	2.1	3
202	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	2.1	3
201	Ultrafiltration Membrane for Water Treatment. <i>Engineering Materials</i> , 2020 , 119-145	0.4	0
200	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	0
199	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	2.5	3
198	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	5.7	10
197	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	4.2	12
196	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. <i>Separation and Purification Technology</i> , 2020 , 236, 116216	8.3	12
195	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	6.7	12
194	In situ growth of 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	8.3	8
193	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	1.5	2
192	2D Graphene oxide (GO) doped p-n type BiOI/BiWO ₄ 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	8.3	32
191	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	6.7	15
190	Graphene-based material for self-healing: mechanism, synthesis, characteristics, and applications 2020 , 163-175		1
189	ZIF-8 membrane supported on alumina hollow fiber with enhanced salt removal by forward osmosis. <i>Desalination</i> , 2020 , 496, 114697	10.3	3
188	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	3.6	12
187	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	2.8	7

186	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	5.7	6
185	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	6.7	9
184	Impedance analysis of charge transfer upon nickel doping in TiO ₂ -based flexible dye-sensitized solar cell. <i>Polymer Bulletin</i> , 2020 , 78, 5755	2.4	2
183	FABRICATION OF CERAMIC, HOLLOW-FIBER MEMBRANE: THE EFFECT OF BAUXITE CONTENT AND SINTERING TEMPERATURE. <i>Clays and Clay Minerals</i> , 2020 , 68, 309-318	2.1	2
182	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	5.9	7
181	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	5.9	4
180	Ceramic Membrane Distillation for Desalination. <i>Separation and Purification Reviews</i> , 2020 , 49, 317-356	7.3	14
179	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	5.9	35
178	Arsenic adsorption mechanism on palm oil fuel ash (POFA) powder suspension. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121214	12.8	22
177	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	5.1	10
176	Zeolite-A deposited on glass hollow fiber for forward osmosis applications. <i>Journal of Water Process Engineering</i> , 2020 , 33, 100991	6.7	3
175	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	14.7	44
174	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	1.5	6
173	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	5.9	12
172	Influence of the Natural Zeolite Particle Size Toward the Ammonia Adsorption Activity in Ceramic Hollow Fiber Membrane. <i>Membranes</i> , 2020 , 10,	3.8	9
171	Detection of saline-based refractive index changes via bilayer ZnO/Ag-coated glass optical fiber sensor. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	7
170	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	9.3	54
169	Synthesis and characterisation of composite sulphonated polyurethane/polyethersulphone membrane for blood purification application. <i>Materials Science and Engineering C</i> , 2019 , 99, 491-504	8.3	15

168	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	2.9	14
167	Removal of As(iii) and As(v) from water using green, silica-based ceramic hollow fibre membranes direct contact membrane distillation.. <i>RSC Advances</i> , 2019 , 9, 3367-3376	3.7	16
166	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. <i>Membranes</i> , 2019 , 9,	3.8	9
165	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	2.6	4
164	Preparation and characterization of imprinted zeolite-Y for p-cresol removal in haemodialysis. <i>Materials Science and Engineering C</i> , 2019 , 103, 109722	8.3	5
163	Chitosan based modified polymers designed to enhance membrane permeation capability. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 509, 012122	0.4	1
162	INCORPORATION OF IMPRINTED-ZEOLITE TO POLYETHERSULFONE/CELLULOSE ACETATE MEMBRANE FOR CREATININE REMOVAL IN HEMODIALYSIS TREATMENT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2019 , 81,	1.2	4
161	Fabrication and characterization of mullite ceramic hollow fiber membrane from natural occurring ball clay. <i>Applied Clay Science</i> , 2019 , 177, 51-62	5.2	38
160	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	5.7	44
159	Photocatalytic performance of TiO/Clinoptilolite: Comparison study in suspension and hybrid photocatalytic membrane reactor. <i>Chemosphere</i> , 2019 , 228, 241-248	8.4	25
158	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	8.3	26
157	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	2	2
156	Linear /nonlinear optical susceptibility spectroscopic constants of polyaniline@graphene oxide nanocomposite thin films. <i>Synthetic Metals</i> , 2019 , 251, 30-39	3.6	7
155	Hydrophobic ceramic membrane for membrane distillation: A mini review on preparation, characterization, and applications. <i>Separation and Purification Technology</i> , 2019 , 217, 71-84	8.3	60
154	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	2.8	11
153	Effect of PtBd/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	6.7	13
152	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	21.8	62
151	Highly permeable photo-catalytic mesoporous aluminum oxide membrane for oil emulsion separation. <i>Journal of the Australian Ceramic Society</i> , 2019 , 55, 323-335	1.5	2

150	Comprehensive Study of Morphological Modification of Dual-Layer Hollow Fiber Membrane. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 10041-10055	2.5	0
149	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	2.6	11
148	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	3.3	2
147	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	2.5	3
146	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	4.5	20
145	Comprehensive investigation of evanescent wave optical fiber refractive index sensor coated with ZnO nanoparticles. <i>Optical Fiber Technology</i> , 2019 , 52, 101976	2.4	19
144	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	2.9	9
143	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	2.1	8
142	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	2.1	2
141	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	2.1	28
140	Preliminary studies on hydrothermal synthesis of zeolite from Malaysian kaolinite clays. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2019 , 15, 421-425	2.1	3
139	Proton Conductions. <i>Polymers and Polymeric Composites</i> , 2019 , 977-1010	0.6	
138	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	2.1	3
137	Feasibility study of CAU-1 deposited on alumina hollow fiber for desalination applications. <i>Separation and Purification Technology</i> , 2019 , 217, 247-257	8.3	16
136	UV LED Curing of Hydrogel-Modified Textiles with High Anti-Fouling Resistance. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019 , 32, 699-704	0.7	1
135	An FBG magnetic sensor for oil flow monitoring in sandstone core.. <i>RSC Advances</i> , 2019 , 9, 35878-35886	3.7	2
134	An Overview of Membrane Distillation 2019 , 251-281		7
133	Adsorptive Membranes for Heavy Metals Removal From Water 2019 , 361-400		6

132	High strength and antifouling metakaolin-based ceramic membrane for juice clarification. <i>Journal of the Australian Ceramic Society</i> , 2019 , 55, 529-540	1.5	2
131	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	8.3	66
130	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	5.5	15
129	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	3.3	11
128	Structural and optical characteristics, and bacterial decolonization studies on non-reactive RF sputtered Cu ₂ N ₂ O@ graphene based nanoparticles thin films. <i>Journal of Materials Science</i> , 2019 , 54, 6515-6529	4.3	9
127	Photocatalytic nanofiber-coated alumina hollow fiber membranes for highly efficient oilfield produced water treatment. <i>Chemical Engineering Journal</i> , 2019 , 360, 1437-1446	14.7	42
126	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	5.1	23
125	Properties and performance evaluation of dual-layer ceramic hollow fiber with modified electrolyte for MT-SOFC. <i>Renewable Energy</i> , 2019 , 134, 1423-1433	8.1	7
124	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	6.7	8
123	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	8.3	50
122	Modelling of transport mechanisms and drying shrinkage for multilayer ceramic membrane structure. <i>Chemical Engineering Research and Design</i> , 2018 , 133, 111-125	5.5	5
121	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	6	25
120	Recent Progress on the Utilization of Nanomaterials in Microtubular Solid Oxide Fuel Cell 2018 , 497-516		
119	Photocatalytic degradation of oilfield produced water using graphitic carbon nitride embedded in electrospun polyacrylonitrile nanofibers. <i>Chemosphere</i> , 2018 , 204, 79-86	8.4	30
118	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	4.6	32
117	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	3.7	21
116	Fabrications and applications of low cost ceramic membrane from kaolin: A comprehensive review. <i>Ceramics International</i> , 2018 , 44, 4538-4560	5.1	125
115	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	3.7	14

114	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	3.9	26
113	Removal of nickel from aqueous solution using supported zeolite-Y hollow fiber membranes. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 19054-19064	5.1	13
112	Stability study of extruded dual layer hollow fibre membranes in a long operation photocatalysis process. <i>Polymer Testing</i> , 2018 , 68, 53-60	4.5	3
111	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	0.4	3
110	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	5.1	56
109	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	5.6	34
108	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	7.9	40
107	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	5.9	33
106	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	5.1	37
105	Performance of PES/LSMM-OGCN Photocatalytic Membrane for Phenol Removal: Effect of OGCN Loading. <i>Membranes</i> , 2018 , 8,	3.8	6
104	A comprehensive study on the surface chemistry of particulate matter collected from Jeddah, Saudi Arabia. <i>Journal of Atmospheric Chemistry</i> , 2018 , 75, 271-283	3.2	0
103	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, 15034-15038	4.3	22
102	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , 2018 , 201, 257-263	10.3	36
101	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	7.9	53
100	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	5.1	12
99	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	2.1	7
98	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	2.1	2
97	Low cost palm oil fuel ash based ceramic membranes for oily water separation. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2018 , 14, 419-424	2.1	6

96	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	6.7	45
95	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	2.3	12
94	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	0.4	3
93	Adsorption of phosphate from aqueous solutions using waste mussel shell. <i>MATEC Web of Conferences</i> , 2018 , 250, 06013	0.3	3
92	Morphological control of La _{0.7} Sr _{0.3} Co _{0.2} Fe _{0.8} O _{3-λ} and La _{0.7} Sr _{0.3} MnO _{3-λ} catalytic membrane using PEG-H ₂ O additive. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 348, 012008	0.4	0
91	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,	5.9	38
90	EFFECTS OF BISPHENOL A ON NEONATAL CARDIOMYOCYTES BEATING RATE AND MORPHOLOGY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2018 , 80,	1.2	1
89	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	2.6	10
88	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	6.7	8
87	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	8.4	22
86	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. <i>Environmental Chemistry Letters</i> , 2018 , 16, 1301-1323	13.3	57
85	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	8.3	70
84	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	2.1	11
83	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	9.6	33
82	Membranes and Membrane Processes 2018 , 45-70		7
81	PMRs in Photodegradation of Organic Contaminants: Water and Wastewater Treatment 2018 , 189-208		3
80	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	6.7	21
79	Performance evaluation of co-extruded microporous dual-layer hollow fiber membranes using a hybrid membrane photoreactor. <i>Desalination</i> , 2017 , 403, 46-52	10.3	13

78	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	10.3	44
77	A review on sustainable synthesis of zeolite from kaolinite resources via hydrothermal process. <i>Advanced Powder Technology</i> , 2017 , 28, 1827-1840	4.6	98
76	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , 2017 , 66, 1424-1429	3.3	17
75	Preparation and characterization of glass hollow fiber membrane for water purification applications. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 15918-15928	5.1	5
74	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	1.5	4
73	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 ⁸³	8.3	40
72	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	3.3	4
71	Hemocompatibility evaluation of poly(1,8-octanediol citrate) blend polyethersulfone membranes. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1510-1520	5.4	12
70	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	5.1	62
69	Superhydrophilic, low cost kaolin-based hollow fibre membranes for efficient oily-wastewater separation. <i>Materials Letters</i> , 2017 , 191, 119-122	3.3	48
68	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	3.6	26
67	Silica-Based Hollow Fiber Membrane for Water Treatment 2017 , 157-180		1
66	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,	1.2	4
65	Biogas as a renewable energy fuel [A review of biogas upgrading, utilisation and storage. <i>Energy Conversion and Management</i> , 2017 , 150, 277-294	10.6	352
64	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	5.1	17
63	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	3.7	20
62	Efficient Visible Photoluminescence from Self-Assembled Ge QDs Embedded in Silica Matrix. <i>Chinese Physics Letters</i> , 2017 , 34, 068102	1.8	1
61	Sputtered CuO mono-phase thin films: Structural, compositional and spectroscopic linear/nonlinear optical characteristics. <i>Optik</i> , 2017 , 144, 207-218	2.5	13

60	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	6.7	7
59	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	6.7	15
58	Recent progress in the hydrophilic modification of alumina membranes for protein separation and purification. <i>Ceramics International</i> , 2017 , 43, 915-925	5.1	43
57	Fabrication and characterization of affordable hydrophobic ceramic hollow fibre membrane for contacting processes. <i>Journal of Advanced Ceramics</i> , 2017 , 6, 330-340	10.7	14
56	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	5.5	36
55	Effect of fabrication parameters on physical properties of metakaolin-based ceramic hollow fibre membrane (CHFM). <i>Ceramics International</i> , 2016 , 42, 15547-15558	5.1	36
54	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	5.5	35
53	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	8.3	45
52	Effect of kaolin particle size and loading on the characteristics of kaolin ceramic support prepared via phase inversion techniquePeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2016 , 4, 164-177	2.4	40
51	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	4.6	31
50	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,	2.9	17
49	Current Approaches in Improving Hemocompatibility of Polymeric Membranes for Biomedical Application. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 771-800	3.9	30
48	Copper-substituted cobalt ferrite nanoparticles: Structural, optical and antibacterial properties. <i>Materials Express</i> , 2016 , 6, 473-482	1.3	28
47	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	5.1	41
46	Structural Control of NiO _{0.5} SZ/LSCF _{0.5} SZ Dual-Layer Hollow Fiber Membrane for Potential Syngas Production. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 799-809	2	7
45	The influence of PEEK as a pore former on the microstructure of brush-painted LSCF cathodes. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2895-2905	2.6	7
44	Electrocatalytic Study of Efficient Synthesized Graphene Nanosheets Incorporated with Pt Nanoparticles for Methanol Oxidation Reaction. <i>Electroanalysis</i> , 2016 , 28, 222-226	3	6
43	Structural Change of Cathode with Pore Former Addition in SOFC. <i>Advanced Materials Research</i> , 2015 , 1087, 299-303	0.5	

42	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	3.7	11
41	Novel hybrid photocatalytic reactor-UF nanocomposite membrane system for bilge water degradation and separation. <i>RSC Advances</i> , 2015 , 5, 45331-45340	3.7	14
40	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	9
39	Morphological study of yttria-stabilized zirconia hollow fibre membrane prepared using phase inversion/sintering technique. <i>Ceramics International</i> , 2015 , 41, 12543-12553	5.1	29
38	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	4.6	30
37	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	4.6	93
36	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	6	110
35	A Review on the Fabrication of Electrospun Polymer Electrolyte Membrane for Direct Methanol Fuel Cell. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-16	3.2	21
34	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	3.7	34
33	Physicochemical and micromechanical investigation of a nanocopper impregnated fibre reinforced nanocomposite. <i>RSC Advances</i> , 2015 , 5, 100943-100955	3.7	11
32	Photocatalytic degradation of nonylphenol by immobilized TiO ₂ in dual layer hollow fibre membranes. <i>Chemical Engineering Journal</i> , 2015 , 269, 255-261	14.7	75
31	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	10.3	67
30	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	9.6	49
29	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	5
28	Preparation of Titanium Dioxide Hollow Fiber Membrane Using Phase Inversion and Sintering Technique for Gas Separation and Water Purification 2015 , 44, 1195-1201		5
27	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	0.2	3
26	Comparison Between Anode-Supported and Electrolyte-Supported Ni-CGO-LSCF Micro-tubular Solid Oxide Fuel Cells. <i>Fuel Cells</i> , 2014 , 14, 200-211	2.9	12
25	Preparation of High Performance SPEEK/Cloisite 15A Nanocomposite Membrane via Advanced Membrane Formulation Method. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 70,	1.2	1

24	Carbon Dioxide (CO ₂) Separation from Natural Gas using Single-layer and Dual-layer Mixed-matrix Membranes (MMMs). <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 69,	1.2	1
23	Polymer based Membrane Electrospun Fiber in Fuel Cell Application: A Short Review. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 69,	1.2	4
22	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	8.3	30
21	Flash freezing route to mesoporous polymer nanofibre networks. <i>Nature Communications</i> , 2013 , 4, 2653-2657	17.4	61
20	A Review Study of Nanofibers in Photocatalytic Process for Wastewater Treatment. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013 , 65,	1.2	3
19	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	8.9	47
18	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	2.6	14
17	High-performance, anode-supported, microtubular SOFC prepared from single-step-fabricated, dual-layer hollow fibers. <i>Advanced Materials</i> , 2011 , 23, 2480-3	24	100
16	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	2.9	8
15	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	5.1	11
14	Novel fabrication technique of hollow fibre support for micro-tubular solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 5035-5044	8.9	28
13	Morphological studies of macrostructure of Ni/GO anode hollow fibres for intermediate temperature solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2010 , 360, 410-417	9.6	62
12	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	9.6	31
11	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	9.6	77
10	Fabrication by Co-extrusion and electrochemical characterization of micro-tubular hollow fibre solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2010 , 12, 792-795	5.1	35
9	Co-Extrusion / Phase Inversion / Co-Sintering for Fabrication of Hollow Fiber Solid Oxide Fuel Cells. <i>ECS Transactions</i> , 2009 , 25, 665-672	1	8
8	Novel co-extruded electrolyte/anode hollow fibres for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2009 , 11, 1799-1802	5.1	47
7	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	8.6	40

6	Enhanced photovoltaic performance of various temperature TiO ₂ -SiO ₂ -Ni-GO dye-sensitized solar cells assembled with PAN gel electrolyte. <i>Journal of Sol-Gel Science and Technology</i> ,1	2.3	0
5	An electrochemical sensor based on PANI-Ag _{1-x} -Fex nanocomposite thin films irradiated by 10 kGy of gamma ray for E. coli detection applications. <i>Materials Research Innovations</i> ,1-9	1.9	
4	Influence of Fe ₂ O ₃ in ZnO/GO-based dye-sensitized solar cell. <i>Polymer Bulletin</i> ,1	2.4	1
3	Fabrication and characterization of robust zirconia-kaolin hollow fiber membrane: Alkaline dissolution study in ammonia solution. <i>Korean Journal of Chemical Engineering</i> ,1	2.8	2
2	A review on process design and bilayer electrolyte materials of bipolar membrane fuel cell. <i>International Journal of Energy Research</i> ,	4.5	0
1	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> ,1	13.9	2