

Mohd Hafiz Dzarfan Othman

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#	Paper	IF	Citations
293	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
292	Fabrications and applications of low cost ceramic membrane from kaolin: A comprehensive review. <i>Ceramics International</i> , 2018 , 44, 4538-4560	5.1	125
291	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
290	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
289	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
288	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
287	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
286	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
285	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
284	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
283	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
282	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
281	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
280	Morphological studies of macrostructure of NiO/GO anode hollow fibres for intermediate temperature solid oxide fuel cells. <i>Journal of Membrane Science</i> , 2010 , 360, 410-417	9.6	62
279	Flash freezing route to mesoporous polymer nanofibre networks. <i>Nature Communications</i> , 2013 , 4, 2653	17.4	61
278	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
277	Polymeric membranes for desalination using membrane distillation: A review. <i>Desalination</i> , 2020 , 490, 114530	10.3	60

276	Functionalizing TiO 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
275	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. <i>Environmental Chemistry Letters</i> , 2018 , 16, 1301-1323	13.3	57
274	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
273	Applicability of BaTiO/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
272	Removal of acetaminophen from synthetic wastewater in a fixed-bed column adsorption using low-cost coconut shell waste pretreated with NaOH, HNO, ozone, and/or chitosan. <i>Journal of Environmental Management</i> , 2018 , 226, 365-376	7.9	53
271	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
270	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
269	Superhydrophilic, low cost kaolin-based hollow fibre membranes for efficient oily-wastewater separation. <i>Materials Letters</i> , 2017 , 191, 119-122	3.3	48
268	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
267	Novel co-extruded electrolyte-free hollow fibres for solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2009 , 11, 1799-1802	5.1	47
266	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
265	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
264	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
263	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
262	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
261	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
260	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
259	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

258	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	8.3	40
257	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
256	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
255	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, 156-185	8.6	40
254	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
253	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
252	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
251	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
250	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
249	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , 2018 , 201, 257-263	10.3	36
248	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
247	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
246	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
245	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
244	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
243	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
242	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
241	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

240	2D Graphene oxide (GO) doped p-n type BiOI/BiWO 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
239	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
238	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
237	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
236	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
235	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
234	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
233	Current Approaches in Improving Hemocompatibility of Polymeric Membranes for Biomedical Application. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 771-800	3.9	30
232	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
231	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
230	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
229	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
228	Copper-substituted cobalt ferrite nanoparticles: Structural, optical and antibacterial properties. <i>Materials Express</i> , 2016 , 6, 473-482	1.3	28
227	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
226	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
225	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
224	Performance of Polymer Electrolyte Membrane for Direct Methanol Fuel Cell Application: Perspective on Morphological Structure. <i>Membranes</i> , 2020 , 10,	3.8	26
223	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

222	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
221	Photocatalytic performance of TiO ₂ /Clinoptilolite: Comparison study in suspension and hybrid photocatalytic membrane reactor. <i>Chemosphere</i> , 2019 , 228, 241-248	8.4	25
220	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
219	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
218	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
217	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
216	Structural, optical, and photocatalytic investigation of nickel oxide@graphene oxide nanocomposite thin films by RF magnetron sputtering. <i>Journal of Materials Science</i> , 2018 , 53, 15034-15050	4.3	22
215	Arsenic adsorption mechanism on palm oil fuel ash (POFA) powder suspension. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121214	12.8	22
214	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
213	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
212	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
211	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
210	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
209	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
208	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
207	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
206	Applicability of TiO ₂ (B) nanosheets@hydrochar composites for adsorption of tetracycline (TC) from contaminated water. <i>Journal of Hazardous Materials</i> , 2021 , 405, 123999	12.8	20
205	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

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	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
202	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , 2017 , 66, 1424-1429	3.3	17
201	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
200	Resource recovery toward sustainability through nutrient removal from landfill leachate. <i>Journal of Environmental Management</i> , 2021 , 287, 112265	7.9	17
199	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
198	Resource recovery from landfill leachate: An experimental investigation and perspectives. <i>Chemosphere</i> , 2021 , 274, 129986	8.4	17
197	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
196	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
195	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
194	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
193	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
192	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
191	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
190	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
189	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
188	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
187	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

186	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
185	Ceramic Membrane Distillation for Desalination. <i>Separation and Purification Reviews</i> , 2020 , 49, 317-356	7.3	14
184	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
183	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
182	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
181	Effect of PtPd/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, 20768-20769	6.7	13
180	Sputtered CuO mono-phase thin films: Structural, compositional and spectroscopic linear/nonlinear optical characteristics. <i>Optik</i> , 2017 , 144, 207-218	2.5	13
179	Arsenic removal in aqueous solutions using FeS. <i>Journal of Environmental Management</i> , 2021 , 286, 1122469	4.6	13
178	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
177	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
176	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
175	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
174	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
173	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
172	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
171	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
170	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
169	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

168	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
167	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
166	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
165	Physicochemical and micromechanical investigation of a nanocopper impregnated fibre reinforced nanocomposite. <i>RSC Advances</i> , 2015 , 5, 100943-100955	3.7	11
164	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
163	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
162	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
161	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
160	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
159	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
158	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
157	Novel silica sand hollow fibre ceramic membrane for oily wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104975	6.8	10
156	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
155	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
154	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
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152	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
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