

Pei S Goh

List of Publications by Year in descending order

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166
papers

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citations

44069

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166
all docs

166
docs citations

166
times ranked

7203
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances of inorganic fillers in mixed matrix membrane for gas separation. Separation and Purification Technology, 2011, 81, 243-264.	7.9	543
2	A review on inorganic membranes for desalination and wastewater treatment. Desalination, 2018, 434, 60-80.	8.2	347
3	Membrane fouling in desalination and its mitigation strategies. Desalination, 2018, 425, 130-155.	8.2	339
4	Transport and separation properties of carbon nanotube-mixed matrix membrane. Separation and Purification Technology, 2009, 70, 12-26.	7.9	331
5	Graphene oxide incorporated thin film nanocomposite nanofiltration membrane for enhanced salt removal performance. Desalination, 2016, 387, 14-24.	8.2	294
6	Tailor-made thin film nanocomposite membrane incorporated with graphene oxide using novel interfacial polymerization technique for enhanced water separation. Chemical Engineering Journal, 2018, 344, 524-534.	12.7	241
7	Carbon nanotubes for desalination: Performance evaluation and current hurdles. Desalination, 2013, 308, 2-14.	8.2	223
8	Recent trends in membranes and membrane processes for desalination. Desalination, 2016, 391, 43-60.	8.2	223
9	Directional alignment of carbon nanotubes in polymer matrices: Contemporary approaches and future advances. Composites Part A: Applied Science and Manufacturing, 2014, 56, 103-126.	7.6	213
10	Graphene-based nanomaterial: The state-of-the-art material for cutting edge desalination technology. Desalination, 2015, 356, 115-128.	8.2	179
11	Nanomaterials for biofouling and scaling mitigation of thin film composite membrane: A review. Desalination, 2016, 393, 2-15.	8.2	164
12	Inorganic Nanomaterials in Polymeric Ultrafiltration Membranes for Water Treatment. Separation and Purification Reviews, 2015, 44, 216-249.	5.5	159
13	Aqueous room temperature synthesis of zeolitic imidazole framework 8 (ZIF-8) with various concentrations of triethylamine. RSC Advances, 2014, 4, 33292-33300.	3.6	135
14	Adsorptive nanocomposite membranes for heavy metal remediation: Recent progresses and challenges. Chemosphere, 2019, 232, 96-112.	8.2	130
15	Nano-enabled membranes technology: Sustainable and revolutionary solutions for membrane desalination?. Desalination, 2016, 380, 100-104.	8.2	125
16	Fouling mitigation in forward osmosis and membrane distillation for desalination. Desalination, 2020, 480, 114338.	8.2	111
17	Investigation of submerged membrane photocatalytic reactor (sMPR) operating parameters during oily wastewater treatment process. Desalination, 2014, 353, 48-56.	8.2	104
18	Current advances in membrane technologies for produced water desalination. Desalination, 2020, 493, 114643.	8.2	102

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19	Characterization Methods of Thin Film Composite Nanofiltration Membranes. Separation and Purification Reviews, 2015, 44, 135-156.	5.5	101
20	Membrane technology: A versatile tool for saline wastewater treatment and resource recovery. Desalination, 2022, 521, 115377.	8.2	98
21	Novel mixed matrix membranes incorporated with dual-nanofillers for enhanced oil-water separation. Separation and Purification Technology, 2017, 178, 113-121.	7.9	93
22	Enhanced desalination of polyamide thin film nanocomposite incorporated with acid treated multiwalled carbon nanotube-titania nanotube hybrid. Desalination, 2017, 409, 163-170.	8.2	93
23	Application of two-dimensional leaf-shaped zeolitic imidazolate framework (2D ZIF-L) as arsenite adsorbent: Kinetic, isotherm and mechanism. Journal of Molecular Liquids, 2018, 250, 269-277.	4.9	91
24	Development of microporous substrates of polyamide thin film composite membranes for pressure-driven and osmotically-driven membrane processes: A review. Journal of Industrial and Engineering Chemistry, 2019, 77, 25-59.	5.8	90
25	Progress of Interfacial Polymerization Techniques for Polyamide Thin Film (Nano)Composite Membrane Fabrication: A Comprehensive Review. Polymers, 2020, 12, 2817.	4.5	86
26	Contemporary antibiofouling modifications of reverse osmosis desalination membrane: A review. Desalination, 2019, 468, 114072.	8.2	83
27	A REVIEW OF PURIFICATION TECHNIQUES FOR CARBON NANOTUBES. Nano, 2008, 03, 127-143.	1.0	77
28	A review on recent disposal of hazardous sewage sludge via anaerobic digestion and novel composting. Journal of Hazardous Materials, 2022, 423, 126995.	12.4	76
29	Hydrophilic hollow fiber PVDF ultrafiltration membrane incorporated with titanate nanotubes for decolourization of aerobically-treated palm oil mill effluent. Chemical Engineering Journal, 2017, 316, 101-110.	12.7	71
30	Recent development in modification of polysulfone membrane for water treatment application. Journal of Water Process Engineering, 2021, 40, 101835.	5.6	68
31	AT-POME colour removal through photocatalytic submerged filtration using antifouling PVDF-TNT nanocomposite membrane. Separation and Purification Technology, 2018, 191, 266-275.	7.9	67
32	Graphene oxide/polysulfone hollow fiber mixed matrix membranes for gas separation. RSC Advances, 2016, 6, 89130-89139.	3.6	66
33	Adsorption and photocatalytic degradation of methylene blue using high surface area titanate nanotubes (TNT) synthesized via hydrothermal method. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	66
34	Antifouling zwitterion embedded forward osmosis thin film composite membrane for highly concentrated oily wastewater treatment. Separation and Purification Technology, 2019, 214, 40-50.	7.9	66
35	Thin Film Composite Membrane for Oily Waste Water Treatment: Recent Advances and Challenges. Membranes, 2018, 8, 86.	3.0	65
36	Thin film nanocomposite: the next generation selective membrane for CO ₂ removal. Journal of Materials Chemistry A, 2016, 4, 15726-15748.	10.3	64

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37	Decolourization of aerobically treated palm oil mill effluent (AT-POME) using polyvinylidene fluoride (PVDF) ultrafiltration membrane incorporated with coupled zinc-iron oxide nanoparticles. <i>Chemical Engineering Journal</i> , 2017, 308, 359-369.	12.7	64
38	Antifouling polyethersulfone hemodialysis membranes incorporated with poly (citric acid) polymerized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2016, 68, 540-550.	7.3	62
39	Development of novel thin film nanocomposite forward osmosis membranes containing halloysite/graphitic carbon nitride nanoparticles towards enhanced desalination performance. <i>Desalination</i> , 2018, 447, 18-28.	8.2	62
40	Recent Progresses of Forward Osmosis Membranes Formulation and Design for Wastewater Treatment. <i>Water (Switzerland)</i> , 2019, 11, 2043.	2.7	60
41	Review: is interplay between nanomaterial and membrane technology the way forward for desalination?. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 971-980.	3.2	57
42	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , 2018, 201, 257-263.	10.2	57
43	A novel interfacial polymerization approach towards synthesis of graphene oxide-incorporated thin film nanocomposite membrane with improved surface properties. <i>Arabian Journal of Chemistry</i> , 2019, 12, 75-87.	4.9	56
44	Advances of nanomaterials for air pollution remediation and their impacts on the environment. <i>Chemosphere</i> , 2022, 287, 132083.	8.2	53
45	Effect of PVP Molecular Weights on the Properties of PVDF-TiO ₂ Composite Membrane for Oily Wastewater Treatment Process. <i>Separation Science and Technology</i> , 2014, 49, 2303-2314.	2.5	52
46	Development of biocompatible and safe polyethersulfone hemodialysis membrane incorporated with functionalized multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2017, 77, 572-582.	7.3	52
47	Simultaneous separation and degradation of surfactants laden in produced water using PVDF/TiO ₂ photocatalytic membrane. <i>Journal of Cleaner Production</i> , 2019, 221, 490-501.	9.3	52
48	The Roles of Nanomaterials in Conventional and Emerging Technologies for Heavy Metal Removal: A State-of-the-Art Review. <i>Nanomaterials</i> , 2019, 9, 625.	4.1	51
49	Facile synthesis of GO and g-C ₃ N ₄ nanosheets encapsulated magnetite ternary nanocomposite for superior photocatalytic degradation of phenol. <i>Environmental Pollution</i> , 2019, 253, 1066-1078.	7.5	50
50	Controlled synthesis of reduced graphene oxide supported magnetically separable Fe ₃ O ₄ @rGO@AgI ternary nanocomposite for enhanced photocatalytic degradation of phenol. <i>Powder Technology</i> , 2019, 356, 547-558.	4.2	47
51	Surfactant dispersed multi-walled carbon nanotube/polyetherimide nanocomposite membrane. <i>Solid State Sciences</i> , 2010, 12, 2155-2162.	3.2	45
52	Enhancing desalination performance of thin film composite membrane through layer by layer assembly of oppositely charged titania nanosheet. <i>Desalination</i> , 2020, 476, 114167.	8.2	45
53	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. <i>Membranes</i> , 2020, 10, 332.	3.0	45
54	Ultrafiltration as a pretreatment for seawater desalination: A review. <i>Membrane Water Treatment</i> , 2014, 5, 15-29.	0.5	44

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55	Chemically functionalized polyamide thin film composite membranes: The art of chemistry. Desalination, 2020, 495, 114655.	8.2	43
56	Performance of branched polyethyleneimine grafted porous rice husk silica in treating nitrate-rich wastewater via adsorption. Journal of Environmental Chemical Engineering, 2019, 7, 103235.	6.7	42
57	Tackling colour issue of anaerobically-treated palm oil mill effluent using membrane technology. Journal of Water Process Engineering, 2015, 8, 221-226.	5.6	41
58	Adsorptive mixed matrix membrane incorporating graphene oxide-manganese ferrite (GMF) hybrid nanomaterial for efficient As(V) ions removal. Composites Part B: Engineering, 2019, 175, 107150.	12.0	40
59	Nanomaterials for microplastic remediation from aquatic environment: Why nano matters?. Chemosphere, 2022, 299, 134418.	8.2	40
60	Anti-Fouling Double-Skinned Forward Osmosis Membrane with Zwitterionic Brush for Oily Wastewater Treatment. Scientific Reports, 2017, 7, 6904.	3.3	39
61	Gas separation performance of thin film nanocomposite membranes incorporated with polymethyl methacrylate grafted multi-walled carbon nanotubes. International Biodeterioration and Biodegradation, 2015, 102, 339-345.	3.9	37
62	Removal of Pharmaceutical Contaminants from Aqueous Medium: A State-of-the-Art Review Based on Paracetamol. Arabian Journal for Science and Engineering, 2020, 45, 7109-7135.	3.0	37
63	Enhancing the performance of porous rice husk silica through branched polyethyleneimine grafting for phosphate adsorption. Arabian Journal of Chemistry, 2020, 13, 6682-6695.	4.9	37
64	Recent Advances of Polymeric Membranes in Tackling Plasticization and Aging for Practical Industrial CO ₂ /CH ₄ Applications – A Review. Membranes, 2022, 12, 71.	3.0	37
65	The Water – Energy Nexus: Solutions towards Energy Efficient Desalination. Energy Technology, 2017, 5, 1136-1155.	3.8	36
66	Highly permeable and selective graphene oxide-enabled thin film nanocomposite for carbon dioxide separation. International Journal of Greenhouse Gas Control, 2017, 64, 257-266.	4.6	36
67	Tailoring the surface properties of carbon nitride incorporated thin film nanocomposite membrane for forward osmosis desalination. Journal of Water Process Engineering, 2020, 33, 101005.	5.6	36
68	The role of geometrically different carbon-based fillers on the formation and gas separation performance of nanocomposite membranes. Carbon, 2019, 149, 33-44.	10.3	35
69	The state-of-the-art development of photocatalysts for the degradation of persistent herbicides in wastewater. Science of the Total Environment, 2022, 843, 156975.	8.0	32
70	Novel hydrophobic PVDF/APTES-GO nanocomposite for natural gas pipelines coating. Journal of Natural Gas Science and Engineering, 2017, 42, 190-202.	4.4	31
71	The Recent Progress in Modification of Polymeric Membranes Using Organic Macromolecules for Water Treatment. Symmetry, 2020, 12, 239.	2.2	31
72	Pre-treatment of multi-walled carbon nanotubes for polyetherimide mixed matrix hollow fiber membranes. Journal of Colloid and Interface Science, 2012, 386, 80-87.	9.4	30

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73	Deacidification of crude palm oil using PVA-crosslinked PVDF membrane. <i>Journal of Food Engineering</i> , 2015, 166, 165-173.	5.2	30
74	Zeolite ZSM5-Filled PVDF Hollow Fiber Mixed Matrix Membranes for Efficient Carbon Dioxide Removal via Membrane Contactor. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12632-12643.	3.7	30
75	Thin film nanocomposite embedded with polymethyl methacrylate modified multi-walled carbon nanotubes for CO ₂ removal. <i>RSC Advances</i> , 2015, 5, 31683-31690.	3.6	29
76	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , 2017, 66, 1424-1429.	3.1	29
77	Facile acid treatment of multiwalled carbon nanotube-titania nanotube thin film nanocomposite membrane for reverse osmosis desalination. <i>Journal of Cleaner Production</i> , 2018, 181, 517-526.	9.3	29
78	Development of thin film nanocomposite membrane incorporated with plasma enhanced chemical vapor deposition-modified hydrous manganese oxide for nanofiltration process. <i>Composites Part B: Engineering</i> , 2019, 176, 107328.	12.0	29
79	Titanium dioxide-modified polyetherimide nanofiber membrane for water treatment. <i>Journal of Water Process Engineering</i> , 2019, 32, 100970.	5.6	29
80	Greener synthesis of functionalized-GO incorporated TFN NF membrane for potential recovery of saline water from salt/dye mixed solution. <i>Desalination</i> , 2022, 523, 115403.	8.2	28
81	Synthesis and characterisation of composite sulphonated polyurethane/polyethersulphone membrane for blood purification application. <i>Materials Science and Engineering C</i> , 2019, 99, 491-504.	7.3	27
82	Photocatalytic membranes: a new perspective for persistent organic pollutants removal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12506-12530.	5.3	27
83	Functionalized boron nitride embedded sulfonated poly (ether ether ketone) proton exchange membrane for direct methanol fuel cell applications. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105876.	6.7	27
84	Efficient heavy metal removal by thin film nanocomposite forward osmosis membrane modified with geometrically different bimetallic oxide. <i>Journal of Water Process Engineering</i> , 2020, 38, 101591.	5.6	26
85	The impacts of various operating conditions on submerged membrane photocatalytic reactors (SMPR) for organic pollutant separation and degradation: a review. <i>RSC Advances</i> , 2015, 5, 97335-97348.	3.6	25
86	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
87	Preparation and characterization of PVDF/PVP/TiO ₂ composite hollow fiber membranes for oily wastewater treatment using submerged membrane system. <i>Desalination and Water Treatment</i> , 0, , 1-11.	1.0	24
88	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
89	Investigation on the effect of spinning conditions on the properties of hollow fiber membrane for hemodialysis application. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	23
90	Adsorptive Removal of As(V) Ions from Water using Graphene Oxide/Manganese Ferrite and Titania Nanotube/Manganese Ferrite Hybrid Nanomaterials. <i>Chemical Engineering and Technology</i> , 2018, 41, 2250-2258.	1.5	23

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91	Preparation and characterization of polylactic acid-modified polyvinylidene fluoride hollow fiber membranes with enhanced water flux and antifouling resistance. <i>Journal of Water Process Engineering</i> , 2019, 32, 100912.	5.6	23
92	Low-cost silica based ceramic supported thin film composite hollow fiber membrane from guinea corn husk ash for efficient removal of microplastic from aqueous solution. <i>Journal of Hazardous Materials</i> , 2022, 424, 127298.	12.4	23
93	Recent progress of Ag/TiO ₂ photocatalyst for wastewater treatment: Doping, co-doping, and green materials functionalization. <i>Applied Materials Today</i> , 2022, 27, 101500.	4.3	23
94	Separation of CO ₂ /CH ₄ and O ₂ /N ₂ by polysulfone hollow fiber membranes: effects of membrane support properties and surface coating materials. <i>Journal of Polymer Engineering</i> , 2018, 38, 871-880.	1.4	22
95	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. <i>Separation and Purification Technology</i> , 2020, 236, 116216.	7.9	22
96	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. <i>Desalination</i> , 2021, 506, 115002.	8.2	22
97	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. <i>Membranes</i> , 2021, 11, 832.	3.0	22
98	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
99	Hemocompatibility evaluation of poly(1,8-octanediol citrate) blend polyethersulfone membranes. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1510-1520.	4.0	21
100	Facile modification of polysulfone hollow fiber membranes via the incorporation of well-dispersed iron oxide nanoparticles for protein purification. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47502.	2.6	21
101	Modification of membrane hydrophobicity in membrane contactors for environmental remediation. <i>Separation and Purification Technology</i> , 2019, 227, 115721.	7.9	21
102	Synthesis of Titania nanotubes/polyaniline via rotating bed-plasma enhanced chemical vapor deposition for enhanced visible light photodegradation. <i>Applied Surface Science</i> , 2019, 484, 740-750.	6.1	21
103	Facile preparation of palygorskite/chitin nanofibers hybrids nanomaterial with remarkable adsorption capacity. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114725.	3.5	21
104	Treatment of synthetic textile dye effluent using hybrid adsorptive ultrafiltration mixed matrix membranes. <i>Chemical Engineering Research and Design</i> , 2020, 159, 92-104.	5.6	20
105	Enhancing the desalination performance of forward osmosis membrane through the incorporation of green nanocrystalline cellulose and halloysite dual nanofillers. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2359-2370.	3.2	20
106	Rhizopus oligosporus-Assisted Valorization of Coconut Endosperm Waste by Black Soldier Fly Larvae for Simultaneous Protein and Lipid to Biodiesel Production. <i>Processes</i> , 2021, 9, 299.	2.8	20
107	Green Approaches for Sustainable Development of Liquid Separation Membrane. <i>Membranes</i> , 2021, 11, 235.	3.0	20
108	Perspective and Roadmap of Energy-Efficient Desalination Integrated with Nanomaterials. <i>Separation and Purification Reviews</i> , 2018, 47, 124-141.	5.5	20

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109	Waste Reutilization in Polymeric Membrane Fabrication: A New Direction in Membranes for Separation. <i>Membranes</i> , 2021, 11, 782.	3.0	20
110	Development of photocatalytic coupled zinc-iron oxide nanoparticles via solution combustion for bisphenol-A removal. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 346-352.	3.9	19
111	Antifouling Property of Oppositely Charged Titania Nanosheet Assembled on Thin Film Composite Reverse Osmosis Membrane for Highly Concentrated Oily Saline Water Treatment. <i>Membranes</i> , 2020, 10, 237.	3.0	19
112	ZrO ₂ -TiO ₂ Incorporated PVDF Dual-Layer Hollow Fiber Membrane for Oily Wastewater Treatment: Effect of Air Gap. <i>Membranes</i> , 2020, 10, 124.	3.0	18
113	Application of a novel nanocomposites carbon nanotubes functionalized with mesoporous silica-nitrenium ions (CNT-MS-N) in nitrate removal: Optimizations and nonlinear and linear regression analysis. <i>Environmental Technology and Innovation</i> , 2021, 22, 101428.	6.1	18
114	Polyaniline decorated graphene oxide on sulfonated poly(ether ether ketone) membrane for direct methanol fuel cells application. <i>Polymers for Advanced Technologies</i> , 2022, 33, 66-80.	3.2	18
115	Hydroxypropyl methacrylate thin film coating on polyvinylidene fluoride hollow fiber membranes via initiated chemical vapor deposition. <i>European Polymer Journal</i> , 2020, 122, 109360.	5.4	17
116	Nanocomposite Membranes for Liquid and Gas Separations from the Perspective of Nanostructure Dimensions. <i>Membranes</i> , 2020, 10, 297.	3.0	17
117	Co-Adsorptive Removal of Creatinine and Urea by a Three-Component Dual-Layer Hollow Fiber Membrane. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33276-33287.	8.0	15
118	Enhancing the photodegradation of phenol using Fe ₃ O ₄ /SiO ₂ binary nanocomposite mediated by silane agent. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 110022.	4.0	15
119	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
120	Exploring the potential of photocatalytic dual layered hollow fiber membranes incorporated with hybrid titania nanotube-boron for agricultural wastewater reclamation. <i>Separation and Purification Technology</i> , 2021, 275, 119136.	7.9	15
121	Process intensification of seawater reverse osmosis through enhanced train capacity and module size – Simulation on Lanzarote IV SWRO plant. <i>Desalination</i> , 2017, 408, 92-101.	8.2	14
122	A novel nanocomposite of aminated silica nanotube (MWCNT/Si/NH ₂) and its potential on adsorption of nitrite. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28737-28748.	5.3	14
123	Iron oxide nanoparticles improved biocompatibility and removal of middle molecule uremic toxin of polysulfone hollow fiber membranes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48234.	2.6	14
124	Permeability and Antifouling Augmentation of a Hybrid PVDF-PEG Membrane Using Nano-Magnesium Oxide as a Powerful Mediator for POME Decolorization. <i>Polymers</i> , 2020, 12, 549.	4.5	14
125	Nanocrystalline cellulose incorporated biopolymer tailored polyethersulfone mixed matrix membranes for efficient treatment of produced water. <i>Chemosphere</i> , 2022, 293, 133561.	8.2	14
126	Enhanced visible light photocatalytic degradation of organic pollutants by iron doped titania nanotubes synthesized via facile one-pot hydrothermal. <i>Powder Technology</i> , 2020, 366, 96-106.	4.2	13

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127	Silver doped titania nanotubes incorporated photocatalytic dual layer antibiofouling hollow fiber membrane for palm oil wastewater treatment. Journal of Environmental Chemical Engineering, 2021, 9, 106192.	6.7	13
128	Photo-triggered Sustainable Adhesive Based on Itaconic Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 6389-6401.	6.7	13
129	Surface Modifications of Nanofillers for Carbon Dioxide Separation Nanocomposite Membrane. Symmetry, 2020, 12, 1102.	2.2	12
130	Dual-layer hollow fibre haemodialysis membrane for effective uremic toxins removal with minimal blood-bacteria contamination. AEJ - Alexandria Engineering Journal, 2022, 61, 10139-10152.	6.4	11
131	Innovative and sustainable membrane technology for wastewater treatment and desalination application. , 2020, , 291-319.		10
132	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. Processes, 2021, 9, 275.	2.8	10
133	Bio-polymer modified nanoclay embedded forward osmosis membranes with enhanced desalination performance. Journal of Applied Polymer Science, 2022, 139, .	2.6	10
134	Carbon nanotubes for desalination – an innovative material with enormous potential. Membrane Technology, 2013, 2013, 7-10.	0.1	9
135	Molecular Simulation and Computational Modeling of Gas Separation through Polycarbonate/p-Nitroaniline/Zeolite 4A Mixed Matrix Membranes. Industrial & Engineering Chemistry Research, 2020, 59, 16772-16785.	3.7	9
136	Binary metal oxides incorporated polyethersulfone ultrafiltration mixed matrix membranes for the pretreatment of seawater desalination. Journal of Applied Polymer Science, 2021, 138, 49883.	2.6	9
137	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. Journal of Applied Polymer Science, 2022, 139, 51661.	2.6	9
138	Controlled growth of carbon nanofibers using plasma enhanced chemical vapor deposition: Effect of catalyst thickness and gas ratio. Thin Solid Films, 2012, 520, 2575-2581.	1.8	8
139	Optimizing the spinning parameter of titania nanotube-boron incorporated PVDF dual-layered hollow fiber membrane for synthetic AT-POME treatment. Journal of Water Process Engineering, 2020, 36, 101372.	5.6	8
140	Energy Efficient Seawater Desalination: Strategies and Opportunities. Energy Technology, 2021, 9, 2100008.	3.8	8
141	Tailoring the CO ₂ -selectivity of interfacial polymerized thin film nanocomposite membrane via the barrier effect of functionalized boron nitride. Journal of Colloid and Interface Science, 2021, 603, 810-821.	9.4	8
142	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. Journal of Membrane Science, 2022, 657, 120706.	8.2	8
143	Synthesis route for the fabrication of nanocomposite membranes. , 2020, , 69-89.		7
144	Enhanced adsorption and biocompatibility of polysulfone hollow fibre membrane via the addition of silica/alpha-mangostin hybrid nanoparticle for uremic toxins removal. Journal of Environmental Chemical Engineering, 2021, 9, 106141.	6.7	7

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145	Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress. <i>Membranes</i> , 2022, 12, 148.	3.0	7
146	Antifouling Improvement of Polyethersulfone Membrane Incorporated with Negatively Charged Zinc-Iron Oxide for AT-POME Colour Removal. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5571-5580.	3.0	6
147	Nanocomposites for Environmental and Energy Applications. <i>Nanomaterials</i> , 2021, 11, 345.	4.1	6
148	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
149	The Role and Prospect of Nanomaterials in Polymeric Membrane for Water and Wastewater Treatment: A State-of-the-Art Overview. <i>Advanced Materials Research</i> , 0, 896, 3-6.	0.3	5
150	Watertight integrity of underwater robotic vehicles by self-healing mechanism. <i>Ain Shams Engineering Journal</i> , 2021, 12, 1995-2007.	6.1	5
151	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106878.	6.7	5
152	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
153	Hemodialysis Membrane for Blood Purification Process. , 2019, , 283-314.		4
154	Advances in Nanocomposite Membranes. <i>Membranes</i> , 2021, 11, 158.	3.0	4
155	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
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