

Pei S Goh

List of Publications by Year in descending order

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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	Photocatalytic membranes: a new perspective for persistent organic pollutants removal. Environmental Science and Pollution Research, 2022, 29, 12506-12530.	5.3	27
2	Physicochemical characteristics of polysulfone nanofiber membranes with iron oxide nanoparticles via electrospinning. Journal of Applied Polymer Science, 2022, 139, 51661.	2.6	9
3	Polyaniline decorated graphene oxide on sulfonated poly(ether ether ketone) membrane for direct methanol fuel cells application. Polymers for Advanced Technologies, 2022, 33, 66-80.	3.2	18
4	Low-cost silica based ceramic supported thin film composite hollow fiber membrane from guinea corn husk ash for efficient removal of microplastic from aqueous solution. Journal of Hazardous Materials, 2022, 424, 127298.	12.4	23
5	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
6	Advances of nanomaterials for air pollution remediation and their impacts on the environment. Chemosphere, 2022, 287, 132083.	8.2	53
7	Parametric analysis of lignocellulosic ultrafiltration in lab scale cross flow module using pore blocking and artificial neural network model. Chemosphere, 2022, 286, 131822.	8.2	4
8	Membrane technology: A versatile tool for saline wastewater treatment and resource recovery. Desalination, 2022, 521, 115377.	8.2	98
9	Greener synthesis of functionalized-GO incorporated TFN NF membrane for potential recovery of saline water from salt/dye mixed solution. Desalination, 2022, 523, 115403.	8.2	28
10	Surface-tailoring chlorine resistant materials and strategies for polyamide thin film composite reverse osmosis membranes. Frontiers of Chemical Science and Engineering, 2022, 16, 564-591.	4.4	6
11	Biomolecule-Enabled Liquid Separation Membranes: Potential and Recent Progress. Membranes, 2022, 12, 148.	3.0	7
12	Recent Advances of Polymeric Membranes in Tackling Plasticization and Aging for Practical Industrial CO ₂ /CH ₄ Applicationsâ€”A Review. Membranes, 2022, 12, 71.	3.0	37
13	Nanocrystalline cellulose incorporated biopolymer tailored polyethersulfone mixed matrix membranes for efficient treatment of produced water. Chemosphere, 2022, 293, 133561.	8.2	14
14	The State-of-the-Art Functionalized Nanomaterials for Carbon Dioxide Separation Membrane. Membranes, 2022, 12, 186.	3.0	1
15	Accelerated spraying-assisted layer by layer assembly of polyethyleneimine/titania nanosheet on thin film composite membrane for reverse osmosis desalination. Desalination, 2022, 529, 115645.	8.2	22
16	Nanomaterials for microplastic remediation from aquatic environment: Why nano matters?. Chemosphere, 2022, 299, 134418.	8.2	40
17	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
18	Bioâ€”polymer modified nanoclay embedded forward osmosis membranes with enhanced desalination performance. Journal of Applied Polymer Science, 2022, 139, .	2.6	10

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19	Photo-triggered Sustainable Adhesive Based on Itaconic Acid. ACS Sustainable Chemistry and Engineering, 2022, 10, 6389-6401.	6.7	13
20	Recent progress of Ag/TiO ₂ photocatalyst for wastewater treatment: Doping, co-doping, and green materials functionalization. Applied Materials Today, 2022, 27, 101500.	4.3	23
21	Tailoring the permeability and flux stability of forward osmosis membrane with tert-butylamine functionalized carbon nanotubes for paracetamol removal. Journal of Environmental Chemical Engineering, 2022, 10, 107977.	6.7	5
22	Tailoring the substrate of thin film reverse osmosis membrane through a novel γ -FeOOH nanorods templating strategy: An insight into the effects on interfacial polymerization of polyamide. Journal of Membrane Science, 2022, 657, 120706.	8.2	8
23	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
24	Photocatalytic degradation of aerobically treated palm oil mill effluent using titania nanotubes prepared via hydrothermal technique. Materials Today: Proceedings, 2021, 46, 1813-1817.	1.8	2
25	Recent development in modification of polysulfone membrane for water treatment application. Journal of Water Process Engineering, 2021, 40, 101835.	5.6	68
26	Enhancing hydrogen gas separation performance of thin film composite membrane through facilely blended polyvinyl alcohol and PEBAX. International Journal of Hydrogen Energy, 2021, 46, 19737-19748.	7.1	25
27	Watertight integrity of underwater robotic vehicles by self-healing mechanism. Ain Shams Engineering Journal, 2021, 12, 1995-2007.	6.1	5
28	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
29	Nanocomposites for Environmental and Energy Applications. Nanomaterials, 2021, 11, 345.	4.1	6
30	Advances in Nanocomposite Membranes. Membranes, 2021, 11, 158.	3.0	4
31	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. Processes, 2021, 9, 275.	2.8	10
32	Rhizopus oligosporus-Assisted Valorization of Coconut Endosperm Waste by Black Soldier Fly Larvae for Simultaneous Protein and Lipid to Biodiesel Production. Processes, 2021, 9, 299.	2.8	20
33	Green Approaches for Sustainable Development of Liquid Separation Membrane. Membranes, 2021, 11, 235.	3.0	20
34	Energy Efficient Seawater Desalination: Strategies and Opportunities. Energy Technology, 2021, 9, 2100008.	3.8	8
35	Facile purification of palygorskite and its effect on the performance of reverse osmosis thin film nanocomposite membrane. Journal of Chemical Technology and Biotechnology, 2021, 96, 1832-1841.	3.2	2
36	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. Environmental Technology and Innovation, 2021, 22, 101428.	6.1	18

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37	Synthesis and characterization of conductive polymer coated graphitic carbon nitride embedded sulfonated poly (ether ether ketone) membranes for direct methanol fuel cell applications. International Journal of Energy Research, 2021, 45, 16649-16666.	4.5	4
38	Visible light induced photodegradation of bio-polymeric waste using boron-enhanced titania nanotubes. Journal of Alloys and Compounds, 2021, 864, 158146.	5.5	1
39	New Concept of Thin-Film Composite Nanofiltration Membrane Fabrication Using a Mist-Based Interfacial Polymerization Technique. Industrial & Engineering Chemistry Research, 2021, 60, 9167-9178.	3.7	24
40	Enhancing the photodegradation of phenol using Fe ₃ O ₄ /SiO ₂ binary nanocomposite mediated by silane agent. Journal of Physics and Chemistry of Solids, 2021, 153, 110022.	4.0	15
41	The hybridization of thermally-driven desalination processes: The state-of-the-art and opportunities. Desalination, 2021, 506, 115002.	8.2	22
42	Flux enhancement in reverse osmosis membranes induced by synergistic effect of incorporated palygorskite/chitin hybrid nanomaterial. Journal of Environmental Chemical Engineering, 2021, 9, 105432.	6.7	15
43	Functionalized boron nitride embedded sulfonated poly (ether ether ketone) proton exchange membrane for direct methanol fuel cell applications. Journal of Environmental Chemical Engineering, 2021, 9, 105876.	6.7	27
44	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
45	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
46	Exploring the potential of photocatalytic dual layered hollow fiber membranes incorporated with hybrid titania nanotube-boron for agricultural wastewater reclamation. Separation and Purification Technology, 2021, 275, 119136.	7.9	15
47	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
48	Nano-Adsorbents in Wastewater Treatment for Phosphate and Nitrate Removal. Environmental Chemistry for A Sustainable World, 2021, , 339-370.	0.5	0
49	Waste Reutilization in Polymeric Membrane Fabrication: A New Direction in Membranes for Separation. Membranes, 2021, 11, 782.	3.0	20
50	Surface Design of Liquid Separation Membrane through Graft Polymerization: A State of the Art Review. Membranes, 2021, 11, 832.	3.0	22
51	Simultaneous degumming and deacidification of crude palm oil using mixed matrix PVDF membrane. IOP Conference Series: Materials Science and Engineering, 2021, 1195, 012030.	0.6	1
52	Immobilizing chitosan nanoparticles in polysulfone ultrafiltration hollow fibre membranes for improving uremic toxins removal. Journal of Environmental Chemical Engineering, 2021, 9, 106878.	6.7	5
53	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
54	Hydroxypropyl methacrylate thin film coating on polyvinylidene fluoride hollow fiber membranes via initiated chemical vapor deposition. European Polymer Journal, 2020, 122, 109360.	5.4	17

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55	Innovative and sustainable membrane technology for wastewater treatment and desalination application. , 2020, , 291-319.		10
56	Polysulfone/amino-silanized poly(methyl methacrylate) dual layer hollow fiber membrane for uremic toxin separation. Separation and Purification Technology, 2020, 236, 116216.	7.9	22
57	Enhancing desalination performance of thin film composite membrane through layer by layer assembly of oppositely charged titania nanosheet. Desalination, 2020, 476, 114167.	8.2	45
58	Chemically functionalized polyamide thin film composite membranes: The art of chemistry. Desalination, 2020, 495, 114655.	8.2	43
59	Antifouling Property of Oppositely Charged Titania Nanosheet Assembled on Thin Film Composite Reverse Osmosis Membrane for Highly Concentrated Oily Saline Water Treatment. Membranes, 2020, 10, 237.	3.0	19
60	Applications of nanocomposite membranes. , 2020, , 209-253.		0
61	Strategies in Forward Osmosis Membrane Substrate Fabrication and Modification: A Review. Membranes, 2020, 10, 332.	3.0	45
62	Progress of Interfacial Polymerization Techniques for Polyamide Thin Film (Nano)Composite Membrane Fabrication: A Comprehensive Review. Polymers, 2020, 12, 2817.	4.5	86
63	Current advances in membrane technologies for produced water desalination. Desalination, 2020, 493, 114643.	8.2	102
64	Surface Modifications of Nanofillers for Carbon Dioxide Separation Nanocomposite Membrane. Symmetry, 2020, 12, 1102.	2.2	12
65	Efficient heavy metal removal by thin film nanocomposite forward osmosis membrane modified with geometrically different bimetallic oxide. Journal of Water Process Engineering, 2020, 38, 101591.	5.6	26
66	Facile preparation of palygorskite/chitin nanofibers hybrids nanomaterial with remarkable adsorption capacity. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114725.	3.5	21
67	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
68	Nanocomposite Membranes for Liquid and Gas Separations from the Perspective of Nanostructure Dimensions. Membranes, 2020, 10, 297.	3.0	17
69	Treatment of synthetic textile dye effluent using hybrid adsorptive ultrafiltration mixed matrix membranes. Chemical Engineering Research and Design, 2020, 159, 92-104.	5.6	20
70	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
71	ZrO ₂ -TiO ₂ Incorporated PVDF Dual-Layer Hollow Fiber Membrane for Oily Wastewater Treatment: Effect of Air Gap. Membranes, 2020, 10, 124.	3.0	18
72	Permeability and Antifouling Augmentation of a Hybrid PVDF-PEG Membrane Using Nano-Magnesium Oxide as a Powerful Mediator for POME Decolorization. Polymers, 2020, 12, 549.	4.5	14

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73	Removal of Pharmaceutical Contaminants from Aqueous Medium: A State-of-the-Art Review Based on Paracetamol. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 7109-7135.	3.0	37
74	Enhancing the performance of porous rice husk silica through branched polyethyleneimine grafting for phosphate adsorption. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6682-6695.	4.9	37
75	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
76	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
77	The Recent Progress in Modification of Polymeric Membranes Using Organic Macromolecules for Water Treatment. <i>Symmetry</i> , 2020, 12, 239.	2.2	31
78	Fouling mitigation in forward osmosis and membrane distillation for desalination. <i>Desalination</i> , 2020, 480, 114338.	8.2	111
79	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
80	Synthesis route for the fabrication of nanocomposite membranes. , 2020, , 69-89.		7
81	Prospects of nanocomposite membranes for natural gas treatment. , 2020, , 355-378.		3
82	Antifouling zwitterion embedded forward osmosis thin film composite membrane for highly concentrated oily wastewater treatment. <i>Separation and Purification Technology</i> , 2019, 214, 40-50.	7.9	66
83	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
84	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
85	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
86	Performance of branched polyethyleneimine grafted porous rice husk silica in treating nitrate-rich wastewater via adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103235.	6.7	42
87	Adsorptive mixed matrix membrane incorporating graphene oxide-manganese ferrite (GMF) hybrid nanomaterial for efficient As(V) ions removal. <i>Composites Part B: Engineering</i> , 2019, 175, 107150.	12.0	40
88	Contemporary antibiofouling modifications of reverse osmosis desalination membrane: A review. <i>Desalination</i> , 2019, 468, 114072.	8.2	83
89	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
90	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

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91	Recent Progresses of Forward Osmosis Membranes Formulation and Design for Wastewater Treatment. <i>Water (Switzerland)</i> , 2019, 11, 2043.	2.7	60
92	Controlled synthesis of reduced graphene oxide supported magnetically separable Fe ₃ O ₄ @rGO@Ag ternary nanocomposite for enhanced photocatalytic degradation of phenol. <i>Powder Technology</i> , 2019, 356, 547-558.	4.2	47
93	Titanium dioxide-modified polyetherimide nanofiber membrane for water treatment. <i>Journal of Water Process Engineering</i> , 2019, 32, 100970.	5.6	29
94	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
95	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
96	Modification of membrane hydrophobicity in membrane contactors for environmental remediation. <i>Separation and Purification Technology</i> , 2019, 227, 115721.	7.9	21
97	Adsorptive nanocomposite membranes for heavy metal remediation: Recent progresses and challenges. <i>Chemosphere</i> , 2019, 232, 96-112.	8.2	130
98	Development of microporous substrates of polyamide thin film composite membranes for pressure-driven and osmotically-driven membrane processes: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 25-59.	5.8	90
99	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
100	The role of geometrically different carbon-based fillers on the formation and gas separation performance of nanocomposite membranes. <i>Carbon</i> , 2019, 149, 33-44.	10.3	35
101	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
102	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
103	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
104	Hemodialysis Membrane for Blood Purification Process. , 2019, , 283-314.		4
105	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
106	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
107	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
108	Application of two-dimensional leaf-shaped zeolitic imidazolate framework (2D ZIF-L) as arsenite adsorbent: Kinetic, isotherm and mechanism. <i>Journal of Molecular Liquids</i> , 2018, 250, 269-277.	4.9	91

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109	Tailor-made thin film nanocomposite membrane incorporated with graphene oxide using novel interfacial polymerization technique for enhanced water separation. <i>Chemical Engineering Journal</i> , 2018, 344, 524-534.	12.7	241
110	Membrane fouling in desalination and its mitigation strategies. <i>Desalination</i> , 2018, 425, 130-155.	8.2	339
111	AT-POME colour removal through photocatalytic submerged filtration using antifouling PVDF-TNT nanocomposite membrane. <i>Separation and Purification Technology</i> , 2018, 191, 266-275.	7.9	67
112	A review on inorganic membranes for desalination and wastewater treatment. <i>Desalination</i> , 2018, 434, 60-80.	8.2	347
113	Thin Film Composite Membrane for Oily Waste Water Treatment: Recent Advances and Challenges. <i>Membranes</i> , 2018, 8, 86.	3.0	65
114	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
115	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
116	Highly adsorptive oxidized starch nanoparticles for efficient urea removal. <i>Carbohydrate Polymers</i> , 2018, 201, 257-263.	10.2	57
117	Perspective and Roadmap of Energy-Efficient Desalination Integrated with Nanomaterials. <i>Separation and Purification Reviews</i> , 2018, 47, 124-141.	5.5	20
118	Novel mixed matrix membranes incorporated with dual-nanofillers for enhanced oil-water separation. <i>Separation and Purification Technology</i> , 2017, 178, 113-121.	7.9	93
119	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
120	Enhanced desalination of polyamide thin film nanocomposite incorporated with acid treated multiwalled carbon nanotube-titania nanotube hybrid. <i>Desalination</i> , 2017, 409, 163-170.	8.2	93
121	Hydrophilic hollow fiber PVDF ultrafiltration membrane incorporated with titanate nanotubes for decolourization of aerobically-treated palm oil mill effluent. <i>Chemical Engineering Journal</i> , 2017, 316, 101-110.	12.7	71
122	Enhanced hydrophilic polysulfone hollow fiber membranes with addition of iron oxide nanoparticles. <i>Polymer International</i> , 2017, 66, 1424-1429.	3.1	29
123	Adsorption and photocatalytic degradation of methylene blue using high surface area titanate nanotubes (TNT) synthesized via hydrothermal method. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	66
124	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
125	Novel hydrophobic PVDF/APTES-GO nanocomposite for natural gas pipelines coating. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 42, 190-202.	4.4	31
126	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

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127	The Water-Energy Nexus: Solutions towards Energy-Efficient Desalination. <i>Energy Technology</i> , 2017, 5, 1136-1155.	3.8	36
128	Anti-Fouling Double-Skinned Forward Osmosis Membrane with Zwitterionic Brush for Oily Wastewater Treatment. <i>Scientific Reports</i> , 2017, 7, 6904.	3.3	39
129	Highly permeable and selective graphene oxide-enabled thin film nanocomposite for carbon dioxide separation. <i>International Journal of Greenhouse Gas Control</i> , 2017, 64, 257-266.	4.6	36
130	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
131	PREPARATION AND CHARACTERIZATION OF SUPERHYDROPHILIC NANOCOMPOSITE ULTRAFILTRATION MEMBRANES FOR TREATMENT OF HIGHLY CONCENTRATED OIL-IN-WATER EMULSION. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	3
132	IMPACTS OF HYDROPHILIC NANOFILLERS ON SEPARATION PERFORMANCE OF THIN FILM NANOCOMPOSITE REVERSE OSMOSIS MEMBRANE. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	0
133	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
134	Thin film nanocomposite: the next generation selective membrane for CO ₂ removal. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15726-15748.	10.3	64
135	Graphene oxide/polysulfone hollow fiber mixed matrix membranes for gas separation. <i>RSC Advances</i> , 2016, 6, 89130-89139.	3.6	66
136	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
137	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
138	Nanomaterials for biofouling and scaling mitigation of thin film composite membrane: A review. <i>Desalination</i> , 2016, 393, 2-15.	8.2	164
139	Graphene oxide incorporated thin film nanocomposite nanofiltration membrane for enhanced salt removal performance. <i>Desalination</i> , 2016, 387, 14-24.	8.2	294
140	Recent trends in membranes and membrane processes for desalination. <i>Desalination</i> , 2016, 391, 43-60.	8.2	223
141	Nano-enabled membranes technology: Sustainable and revolutionary solutions for membrane desalination?. <i>Desalination</i> , 2016, 380, 100-104.	8.2	125
142	Deacidification of crude palm oil using PVA-crosslinked PVDF membrane. <i>Journal of Food Engineering</i> , 2015, 166, 165-173.	5.2	30
143	Tackling colour issue of anaerobically-treated palm oil mill effluent using membrane technology. <i>Journal of Water Process Engineering</i> , 2015, 8, 221-226.	5.6	41
144	Gas separation performance of thin film nanocomposite membranes incorporated with polymethyl methacrylate grafted multi-walled carbon nanotubes. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 339-345.	3.9	37

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145	Thin film nanocomposite embedded with polymethyl methacrylate modified multi-walled carbon nanotubes for CO ₂ removal. RSC Advances, 2015, 5, 31683-31690.	3.6	29
146	Development of photocatalytic coupled zinc-iron oxide nanoparticles via solution combustion for bisphenol-A removal. International Biodeterioration and Biodegradation, 2015, 102, 346-352.	3.9	19
147	The impacts of various operating conditions on submerged membrane photocatalytic reactors (SMPR) for organic pollutant separation and degradation: a review. RSC Advances, 2015, 5, 97335-97348.	3.6	25
148	Review: is interplay between nanomaterial and membrane technology the way forward for desalination?. Journal of Chemical Technology and Biotechnology, 2015, 90, 971-980.	3.2	57
149	Characterization Methods of Thin Film Composite Nanofiltration Membranes. Separation and Purification Reviews, 2015, 44, 135-156.	5.5	101
150	Graphene-based nanomaterial: The state-of-the-art material for cutting edge desalination technology. Desalination, 2015, 356, 115-128.	8.2	179
151	Inorganic Nanomaterials in Polymeric Ultrafiltration Membranes for Water Treatment. Separation and Purification Reviews, 2015, 44, 216-249.	5.5	159
152	Ultrafiltration as a pretreatment for seawater desalination: A review. Membrane Water Treatment, 2014, 5, 15-29.	0.5	44
153	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
154	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
155	Effect of PVP Molecular Weights on the Properties of PVDF-TiO ₂ Composite Membrane for Oily Wastewater Treatment Process. Separation Science and Technology, 2014, 49, 2303-2314.	2.5	52
156	Investigation of submerged membrane photocatalytic reactor (sMPR) operating parameters during oily wastewater treatment process. Desalination, 2014, 353, 48-56.	8.2	104
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