

Zongli Xie

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134
papers

4,538
citations

36
h-index

63
g-index

141
ext. papers

5,684
ext. citations

7.9
avg, IF

5.95
L-index

#	Paper	IF	Citations
134	Crosslinked poly(vinyl alcohol) membranes. <i>Progress in Polymer Science</i> , 2009 , 34, 969-981	29.6	443
133	Fabrication of polyethersulfone-mesoporous silica nanocomposite ultrafiltration membranes with antifouling properties. <i>Journal of Membrane Science</i> , 2012 , 423-424, 362-370	9.6	203
132	Preparation, structure and supercapacitance of bonded carbon nanofiber electrode materials. <i>Carbon</i> , 2011 , 49, 2380-2388	10.4	179
131	Desalination by pervaporation: A review. <i>Desalination</i> , 2016 , 387, 46-60	10.3	163
130	Growth of g-C ₃ N ₄ on mesoporous TiO ₂ spheres with high photocatalytic activity under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 342-350	21.8	147
129	High-Performance Supercapacitor Electrode Materials from Cellulose-Derived Carbon Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 14946-53	9.5	144
128	A review of membrane selection for the dehydration of aqueous ethanol by pervaporation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011 , 50, 227-235	3.7	141
127	Commercial PTFE membranes for membrane distillation application: Effect of microstructure and support material. <i>Desalination</i> , 2012 , 284, 297-308	10.3	115
126	Research and industrialization progress of recovering alumina from fly ash: A concise review. <i>Waste Management</i> , 2017 , 60, 375-387	8.6	111
125	Sol-gel derived poly(vinyl alcohol)/maleic acid/silica hybrid membrane for desalination by pervaporation. <i>Journal of Membrane Science</i> , 2011 , 383, 96-103	9.6	105
124	Evolution of Char Structure during the Steam Gasification of Biochars Produced from the Pyrolysis of Various Mallee Biomass Components. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10431-10438	3.9	99
123	Ammonia removal by sweep gas membrane distillation. <i>Water Research</i> , 2009 , 43, 1693-9	12.5	97
122	Novel FeO/MXene nanocomposite as heterogeneous activator of peroxymonosulfate for the degradation of salicylic acid. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121064	12.8	97
121	Separation of aqueous salt solution by pervaporation through hybrid organic/inorganic membrane: Effect of operating conditions. <i>Desalination</i> , 2011 , 273, 220-225	10.3	82
120	Performance of asymmetric hollow fibre membranes in membrane distillation under various configurations and vacuum enhancement. <i>Journal of Membrane Science</i> , 2010 , 362, 517-528	9.6	82
119	Formation of NO _x precursors during the pyrolysis of coal and biomass. Part VI. Effects of gas atmosphere on the formation of NH ₃ and HCN?. <i>Fuel</i> , 2003 , 82, 1159-1166	7.1	79
118	A review of water recovery by vapour permeation through membranes. <i>Water Research</i> , 2012 , 46, 259-66	2.5	77

117	Building Additional Passageways in Polyamide Membranes with Hydrostable Metal Organic Frameworks To Recycle and Remove Organic Solutes from Various Solvents. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38877-38886	9.5	65
116	Formation of NOx and SOx precursors during the pyrolysis of coal and biomass. Part IV. Pyrolysis of a set of Australian and Chinese coals. <i>Fuel</i> , 2001 , 80, 2131-2138	7.1	64
115	Scalable TiCT MXene Interlayered Forward Osmosis Membranes for Enhanced Water Purification and Organic Solvent Recovery. <i>ACS Nano</i> , 2020 , 14, 9125-9135	16.7	62
114	Coupling system of Ag/BiOBr photocatalysis and direct contact membrane distillation for complete purification of N-containing dye wastewater. <i>Chemical Engineering Journal</i> , 2017 , 317, 386-393	14.7	60
113	Hyper-Cross-Linked Additives that Impede Aging and Enhance Permeability in Thin Polyacetylene Films for Organic Solvent Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14401-14408	9.5	59
112	A feasibility study of municipal wastewater desalination using electro dialysis reversal to provide recycled water for horticultural irrigation. <i>Desalination</i> , 2013 , 317, 77-83	10.3	58
111	High-energy quasi-solid-state supercapacitors enabled by carbon nanofoam from biowaste and high-voltage inorganic gel electrolyte. <i>Carbon</i> , 2019 , 149, 273-280	10.4	57
110	Modelling of vacuum membrane distillation. <i>Journal of Membrane Science</i> , 2013 , 434, 1-9	9.6	55
109	2D laminar maleic acid-crosslinked MXene membrane with tunable nanochannels for efficient and stable pervaporation desalination. <i>Journal of Membrane Science</i> , 2020 , 600, 117871	9.6	53
108	Effect of amine salt surfactants on the performance of thin film composite poly(piperazine-amide) nanofiltration membranes. <i>Desalination</i> , 2013 , 315, 156-163	10.3	53
107	Enhanced desalination performance of poly (vinyl alcohol)/carbon nanotube composite pervaporation membranes via interfacial engineering. <i>Journal of Membrane Science</i> , 2019 , 579, 40-51	9.6	51
106	Enhancement of desalination performance of thin-film nanocomposite membrane by cellulose nanofibers. <i>Journal of Membrane Science</i> , 2019 , 592, 117363	9.6	50
105	Thin-Film Composite Membrane with Interlayer Decorated Metal-Organic Framework UiO-66 toward Enhanced Forward Osmosis Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 195-206	3.9	49
104	Methyl orange removal by combined visible-light photocatalysis and membrane distillation. <i>Dyes and Pigments</i> , 2013 , 98, 106-112	4.6	48
103	Effect of ammonium salts on the properties of poly(piperazineamide) thin film composite nanofiltration membrane. <i>Journal of Membrane Science</i> , 2014 , 465, 34-40	9.6	47
102	Effect of heat treatment on pervaporation separation of aqueous salt solution using hybrid PVA/MA/TEOS membrane. <i>Separation and Purification Technology</i> , 2014 , 127, 10-17	8.3	44
101	Activated carbon enhanced hydrophobic/hydrophilic dual-layer nanofiber composite membranes for high-performance direct contact membrane distillation. <i>Desalination</i> , 2018 , 446, 59-69	10.3	44
100	Study of extracting alumina from high-alumina PC fly ash by a hydro-chemical process. <i>Hydrometallurgy</i> , 2016 , 161, 58-64	4	41

99	Condensation studies in membrane evaporation and sweeping gas membrane distillation. <i>Journal of Membrane Science</i> , 2014 , 462, 9-16	9.6	37
98	Synchrotron SAXS to probe cross-linked network of polyamide reverse osmosis and nanofiltration membranes. <i>Journal of Membrane Science</i> , 2012 , 421-422, 51-59	9.6	36
97	Functionalizing graphene oxide framework membranes with sulfonic acid groups for superior aqueous mixture separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19682-19690	13	35
96	Aluminum fumarate MOF/PVDF hollow fiber membrane for enhancement of water flux and thermal efficiency in direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2019 , 588, 117204	9.6	34
95	Heterogeneous Fe ₂ CoTi ₃ O ₁₀ -MXene composite catalysts: Synergistic effect of the ternary transition metals in the degradation of 2,4-dichlorophenoxyacetic acid based on peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2019 , 378, 122177	14.7	33
94	Polyvinylamine/graphene oxide/PANI@CNTs mixed matrix composite membranes with enhanced CO ₂ /N ₂ separation performance. <i>Journal of Membrane Science</i> , 2019 , 589, 117246	9.6	32
93	Flexible and porous TiO ₂ /SiO ₂ /carbon composite electrospun nanofiber mat with enhanced interfacial charge separation for photocatalytic degradation of organic pollutants in water. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 156-166	9.3	31
92	Synergistic effect of combined colloidal and organic fouling in membrane distillation: Measurements and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2017 , 3, 119-127	14.2	31
91	Ammonia removal from aqueous solution by membrane distillation. <i>Water and Environment Journal</i> , 2012 , 27, n/a-n/a	1.7	29
90	Comparison of colloidal silica involved fouling behavior in three membrane distillation configurations using PTFE membrane. <i>Water Research</i> , 2018 , 130, 343-352	12.5	28
89	Simultaneous permeability, selectivity and antibacterial property improvement of PVC ultrafiltration membranes via in-situ quaternization. <i>Journal of Membrane Science</i> , 2018 , 548, 50-58	9.6	28
88	Microporous carbon from fullerene impregnated porous aromatic frameworks for improving the desalination performance of thin film composite forward osmosis membranes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11327-11336	13	28
87	An improved method for preparing monolithic aerogels based on methyltrimethoxysilane at ambient pressure Part II: Microstructure and performance of the aerogels. <i>Microporous and Mesoporous Materials</i> , 2012 , 148, 152-158	5.3	27
86	Omniphobic surface modification of electrospun nanofiber membrane via vapor deposition for enhanced anti-wetting property in membrane distillation. <i>Journal of Membrane Science</i> , 2020 , 606, 118075	9.6	25
85	Improved filtration performance and antifouling properties of polyethersulfone ultrafiltration membranes by blending with carboxylic acid functionalized polysulfone. <i>RSC Advances</i> , 2018 , 8, 7774-7784	3.7	25
84	Synergistic removal of organic pollutant and metal ions in photocatalysis-membrane distillation system. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118463	21.8	25
83	MoO ₃ -adjusted MnO ₂ nanosheet for catalytic oxidation of Hg ⁰ to Hg ²⁺ . <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 117829	21.8	25
82	Dopamine incorporating forward osmosis membranes with enhanced selectivity and antifouling properties. <i>RSC Advances</i> , 2018 , 8, 22469-22481	3.7	25

81	Organic Microporous Nanofillers with Unique Alcohol Affinity for Superior Ethanol Recovery toward Sustainable Biofuels. <i>ChemSusChem</i> , 2017 , 10, 1887-1891	8.3	24
80	Structure retention in cross-linked poly(ethylene glycol) diacrylate hydrogel templated from a hexagonal lyotropic liquid crystal by controlling the surface tension. <i>Soft Matter</i> , 2012 , 8, 2087-2094	3.6	24
79	Construction of porous N-doped graphene layer for efficient oxygen reduction reaction. <i>Chemical Engineering Science</i> , 2019 , 194, 36-44	4.4	24
78	Antiwettability and Performance Stability of a Composite Hydrophobic/Hydrophilic Dual-Layer Membrane in Wastewater Treatment by Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9313-9322	3.9	23
77	A Review on Current Development of Membranes for Oil Removal from Wastewaters. <i>Membranes</i> , 2020 , 10,	3.8	22
76	A novel process for synthesis of tobermorite fiber from high-alumina fly ash. <i>Cement and Concrete Composites</i> , 2016 , 65, 11-18	8.6	21
75	Comparative study of PFAS treatment by UV, UV/ozone, and fractionations with air and ozonated air. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1897-1907	4.2	21
74	Enhancing the CO ₂ separation performance of SPEEK membranes by incorporation of polyaniline-decorated halloysite nanotubes. <i>Journal of Membrane Science</i> , 2019 , 573, 602-611	9.6	20
73	Selective Permeation of Water through Angstrom-Channel Graphene Membranes for Bioethanol Concentration. <i>Advanced Materials</i> , 2020 , 32, e2002320	24	19
72	A polyamide membrane with tubular crumples incorporating carboxylated single-walled carbon nanotubes for high water flux. <i>Desalination</i> , 2020 , 479, 114330	10.3	18
71	Asymmetrically porous anion exchange membranes with an ultrathin selective layer for rapid acid recovery. <i>Journal of Membrane Science</i> , 2016 , 510, 437-446	9.6	18
70	Study of Hybrid PVA/MA/TEOS Pervaporation Membrane and Evaluation of Energy Requirement for Desalination by Pervaporation. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	17
69	The Use of Polymers in the Flotation Treatment of Wastewater. <i>Processes</i> , 2019 , 7, 374	2.9	16
68	Desulphurization Performance and Mechanism Study by in Situ DRIFTS of Activated Coke Modified by Oxidization. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 3790-3796	3.9	15
67	Ultrafast water evaporation through graphene membranes with subnanometer pores for desalination. <i>Journal of Membrane Science</i> , 2021 , 621, 118934	9.6	15
66	Understanding the transport enhancement of poly (vinyl alcohol) based hybrid membranes with dispersed nanochannels for pervaporation application. <i>Journal of Membrane Science</i> , 2020 , 603, 118005	9.6	14
65	Corrosion resistance of copolymerization of acrylamide and acrylic acid grafted graphene oxide composite coating on magnesium alloy. <i>Progress in Organic Coatings</i> , 2019 , 136, 105222	4.8	14
64	Facile construction of dual heterojunction CoO@TiO ₂ /MXene hybrid with efficient and stable catalytic activity for phenol degradation with peroxydisulfate under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126686	12.8	13

63	Regeneration of commercial selective catalyst reduction catalysts deactivated by Pb and other inorganic elements. <i>Journal of Environmental Sciences</i> , 2016 , 47, 100-108	6.4	12
62	Influence of module design and membrane compressibility on VMD performance. <i>Journal of Membrane Science</i> , 2013 , 442, 31-38	9.6	12
61	A review of the textile wastewater treatment technologies with special focus on advanced oxidation processes (AOPs), membrane separation and integrated AOP-membrane processes 206, 83-107		12
60	Hybridizing TiO ₂ with Nitrogen-Doped Carbon: A New Route to A Highly Visible Light-Active Photocatalyst. <i>ChemistrySelect</i> , 2017 , 2, 1565-1572	1.8	11
59	Development of Cu foam-based Ni catalyst for solar thermal reforming of methane with carbon dioxide. <i>Journal of Energy Chemistry</i> , 2015 , 24, 786-793	12	11
58	Porous aromatic frameworks impregnated with fullerenes for enhanced methanol/water separation. <i>Langmuir</i> , 2014 , 30, 14621-30	4	11
57	Construction of a hierarchical carbon nanotube/MXene membrane with distinct fusiform channels for efficient molecular separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22666-22673	13	11
56	Ultrathin poly (vinyl alcohol)/MXene nanofilm composite membrane with facile intrusion-free construction for pervaporative separations. <i>Journal of Membrane Science</i> , 2020 , 614, 118490	9.6	11
55	Depletion of VOC in wastewater by vacuum membrane distillation using a dual-layer membrane: mechanism of mass transfer and selectivity. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 119-130	4.2	10
54	Continuous flow semi-hydrogenation of alkynes using 3D printed catalytic static mixers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 154, 108018	3.7	10
53	Evaluation of direct contact membrane distillation coupled with fractionation and ozonation for the treatment of textile effluent. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101789	6.7	10
52	Review of Transport Phenomena and Popular Modelling Approaches in Membrane Distillation. <i>Membranes</i> , 2021 , 11,	3.8	10
51	Enhanced desalination performance of aluminium fumarate MOF-incorporated electrospun nanofiber membrane with bead-on-string structure for membrane distillation. <i>Desalination</i> , 2021 , 520, 115338	10.3	10
50	De-ammonification using direct contact membrane distillation [An experimental and simulation study. <i>Separation and Purification Technology</i> , 2020 , 250, 117158	8.3	9
49	Dopamine Incorporated Forward Osmosis Membranes with High Structural Stability and Chlorine Resistance. <i>Processes</i> , 2018 , 6, 151	2.9	9
48	Dimensional Nanofillers in Mixed Matrix Membranes for Pervaporation Separations: A Review. <i>Membranes</i> , 2020 , 10,	3.8	9
47	Evolution mechanism of transition metal in NH-SCR reaction over Mn-based bimetallic oxide catalysts: Structure-activity relationships. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125361	12.8	9
46	A Crown Ether-Containing Copolyimide Membrane with Improved Free Volume for CO ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14357-14367	3.9	8

45	Continuous Flow Hydrogenation of Flavorings and Fragrances Using 3D-Printed Catalytic Static Mixers. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 1989-2002	3.9	8
44	A Mini Review on Antiwetting Studies in Membrane Distillation for Textile Wastewater Treatment. <i>Processes</i> , 2021 , 9, 243	2.9	8
43	Sewage concentration via a graphene oxide modified thin-film nanocomposite forward osmosis membrane: Enhanced performance and mitigated fouling. <i>Chemical Engineering Journal</i> , 2021 , 420, 127718	11.7	8
42	Simulation and multi-objective optimization of heat and mass transfer in direct contact membrane distillation by response surface methodology integrated modeling. <i>Chemical Engineering Research and Design</i> , 2020 , 159, 565-581	5.5	7
41	Fabrication of high performance TFN membrane containing NH-SWCNTs interfacial regulation.. <i>RSC Advances</i> , 2020 , 10, 25186-25199	3.7	7
40	Retention of the original LLC structure in a cross-linked poly(ethylene glycol) diacrylate hydrogel with reinforcement from a silica network. <i>Soft Matter</i> , 2014 , 10, 5192-200	3.6	7
39	Synthesis and characterization of hybrid organic/inorganic materials based on sulphonated polyamideimide and silica. <i>Journal of Polymer Research</i> , 2011 , 18, 965-973	2.7	7
38	Formation mechanism of an undesirable by-product in the mild hydro-chemical process for the extraction of alumina from fly ash and its mitigation. <i>Hydrometallurgy</i> , 2019 , 186, 292-300	4	6
37	Study on the Formation of NH ₃ and HCN During the Gasification of Brown Coal in Steam. <i>Chemical Engineering Research and Design</i> , 2006 , 84, 446-452	5.5	6
36	Theoretical guidance for fabricating higher flux hydrophobic/hydrophilic dual-layer membranes for direct contact membrane distillation. <i>Journal of Membrane Science</i> , 2020 , 596, 117608	9.6	6
35	Construction of ultrathin PTMSP/Porous nanoadditives membranes for highly efficient organic solvent nanofiltration (OSN). <i>Journal of Membrane Science</i> , 2021 , 620, 118911	9.6	6
34	A review of process and wastewater reuse in the recycled paper industry. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101860	7	6
33	Desalination by pervaporation 2018 , 205-226		5
32	Functionalized Carbon Nanotube-Mediated Transport in Membranes Containing Fixed-Site Carriers for Fast Pervaporation Desalination. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 50918-50928	9.5	5
31	TEMPO-Oxidized Cellulose Nanofibers: A Renewable Nanomaterial for Environmental and Energy Applications. <i>Advanced Materials Technologies</i> , 2001180	6.8	5
30	Poly(ether sulfone) supported hybrid poly(vinyl alcohol)/maleic acid/silicone dioxide membranes for the pervaporation separation of ethanol/water mixtures. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	4
29	Influence of non-hydrolyzable groups in silane precursor on pore dimension and photochromic properties of sol-gel silica embedded with a spirooxazine dye. <i>Fibers and Polymers</i> , 2015 , 16, 2318-2324	2	4
28	Nanostructures generated from photopolymerization of poly(ethylene glycol) diacrylate templated from hexagonal lyotropic liquid crystals. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1817-1821	2.9	4

27	The role of lateral size of MXene nanosheets in membrane filtration of dyeing wastewater: Membrane characteristic and performance.. <i>Chemosphere</i> , 2022 , 133728	8.4	4
26	Fouling behavior of calcium phosphate in direct contact membrane distillation. <i>Environmental Technology and Innovation</i> , 2021 , 21, 101203	7	4
25	Synthesis and Characterization of Mn _{0.5} Fe _{0.5} Ox/TiO ₂ Nanocomposite for SCR of NO _x at Low Temperatures: Role of Mn, Ce and V Oxide. <i>Topics in Catalysis</i> , 2020 , 63, 913-923	2.3	3
24	Low temperature SCR of NO _x over Mn/Fe mixed oxides catalyst: comparison of synthesis methods. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2681-2695	3.5	3
23	Synthesis and characterisation of monolithic PTFE-modified MnOX/FeOX catalysts for selective catalytic reduction (SCR) of NOX at low temperature. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1016-1029	3.5	3
22	The selective sieving role of nanosheets in the development of advanced membranes for water treatment: Comparison and performance enhancement of different nanosheets. <i>Separation and Purification Technology</i> , 2021 , 273, 118996	8.3	3
21	Dual-layer membranes with a thin film hydrophilic MOF/PVA nanocomposite for enhanced antiwetting property in membrane distillation. <i>Desalination</i> , 2021 , 518, 115268	10.3	3
20	Robust Hilly Polyamide Membrane for Fast Desalination. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1070-1077	10.7	3
19	Effect of Membrane Properties on Performance of Membrane Distillation for Ammonia Removal. <i>Journal of Materials Science Research</i> , 2011 , 1,	1	2
18	Improved Performance and Mitigated Internal Concentration Polarization of Thin-Film Composite Forward Osmosis Membrane with Polysulfone/Polyaniline Substrate. <i>ACS Applied Polymer Materials</i> ,	4.3	2
17	Hyperbranch-Crosslinked S-SEBS Block Copolymer Membranes for Desalination by Pervaporation. <i>Membranes</i> , 2020 , 10,	3.8	2
16	State-of-the-Art and Opportunities for Forward Osmosis in Sewage Concentration and Wastewater Treatment. <i>Membranes</i> , 2021 , 11,	3.8	2
15	Effect of FeOx and MnOx doping into the CeO ₂ /TiO ₂ /TiO ₂ nanocomposite on the performance and mechanism in selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Science and Technology</i> , 2021 , 11, 2852-2863	5.5	2
14	Materials and Design of Photocatalytic Membranes 2018 , 71-96		2
13	Effects of a volatile solvent with low surface tension combining with the silica network reinforcement on retention of LLC structure in polymer matrix. <i>Polymer Bulletin</i> , 2018 , 75, 581-595	2.4	1
12	Tuning interlayer structure to construct steady dual-crosslinked graphene oxide membranes for desalination of hypersaline brine via pervaporation. <i>Separation and Purification Technology</i> , 2022 , 286, 120459	8.3	1
11	Achievements in membrane distillation processes for wastewater and water treatment 2020 , 221-238		1
10	Dual Functions of a Au@AgNP-Incorporated Nanocomposite Desalination Membrane with an Enhanced Antifouling Property and Fouling Detection Via Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46202-46212	9.5	1

9	Production of cooling water by Ti3C2Tx MXene interlayered forward osmosis membranes for post-combustion CO2 capture system. <i>Journal of Membrane Science</i> , 2022 , 641, 119877	9.6	1
8	Mechanistic insights into the removal of PFOA by 2D MXene/CNT membrane with the influence of Ca ²⁺ and humic acid. <i>Desalination</i> , 2022 , 529, 115643	10.3	1
7	Heterostructured MoS2 quantum dot/GO lamellar membrane with improved transport efficiency for organic solvents inspired by the Namib Desert beetle. <i>Journal of Membrane Science</i> , 2022 , 650, 120402	9.6	1
6	Study of MOF incorporated dual layer membrane with enhanced removal of ammonia and per-/poly-fluoroalkyl substances (PFAS) in landfill leachate treatment. <i>Science of the Total Environment</i> , 2022 , 806, 151207	10.2	0
5	Enhancing polyimide-based mixed matrix membranes performance for CO2 separation containing PAF-1 and p-DCX. <i>Separation and Purification Technology</i> , 2021 , 268, 118677	8.3	0
4	Waste-derived carbon fiber membrane with hierarchical structures for enhanced oil-in-water emulsion separation: Performance and mechanisms. <i>Journal of Membrane Science</i> , 2022 , 120543	9.6	0
3	Remediation of poly-and perfluoroalkyl substances (PFAS) contaminated soil using gas fractionation enhanced technology.. <i>Science of the Total Environment</i> , 2022 , 827, 154310	10.2	0
2	An Efficient Removal of Rhodamine B in Water by Targeted Adsorption on SnS2 Nanosheets. <i>Advanced Materials Research</i> , 2011 , 356-360, 1708-1711	0.5	
1	Transport phenomena in membrane distillation processes 2022 , 111-128		