

# Shuwei Liang

## List of Publications by Citations

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

123  
papers

6,992  
citations

46  
h-index

82  
g-index

125  
ext. papers

8,956  
ext. citations

12  
avg, IF

6.23  
L-index

#	Paper	IF	Citations
123	Antifouling membranes for sustainable water purification: strategies and mechanisms. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 5888-5924	58.5	676
122	Nanostructured Ion-Exchange Membranes for Fuel Cells: Recent Advances and Perspectives. <i>Advanced Materials</i> , <b>2015</b> , 27, 5280-95	24	273
121	Efficient CO <sub>2</sub> capture by functionalized graphene oxide nanosheets as fillers to fabricate multi-permselective mixed matrix membranes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5528-37	9.5	255
120	Antifouling membrane surface construction: Chemistry plays a critical role. <i>Journal of Membrane Science</i> , <b>2018</b> , 551, 145-171	9.6	200
119	Pebax/BEG/MWCNT hybrid membranes with enhanced CO <sub>2</sub> capture properties. <i>Journal of Membrane Science</i> , <b>2014</b> , 460, 62-70	9.6	184
118	A novel positively charged composite nanofiltration membrane prepared by bio-inspired adhesion of polydopamine and surface grafting of poly(ethylene imine). <i>Journal of Membrane Science</i> , <b>2014</b> , 470, 9-17	9.6	183
117	Free-Standing Graphene Oxide-Palygorskite Nanohybrid Membrane for Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8247-56	9.5	168
116	Facilitated transport mixed matrix membranes incorporated with amine functionalized MCM-41 for enhanced gas separation properties. <i>Journal of Membrane Science</i> , <b>2014</b> , 465, 78-90	9.6	163
115	Covalent organic framework membranes through a mixed-dimensional assembly for molecular separations. <i>Nature Communications</i> , <b>2019</b> , 10, 2101	17.4	157
114	Biomimetic and bioinspired membranes: Preparation and application. <i>Progress in Polymer Science</i> , <b>2014</b> , 39, 1668-1720	29.6	155
113	A highly permeable graphene oxide membrane with fast and selective transport nanochannels for efficient carbon capture. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 3107-3112	35.4	155
112	Highly water-selective hybrid membrane by incorporating g-C <sub>3</sub> N <sub>4</sub> nanosheets into polymer matrix. <i>Journal of Membrane Science</i> , <b>2015</b> , 490, 72-83	9.6	142
111	Zwitterionic polyethersulfone ultrafiltration membrane with superior antifouling property. <i>Journal of Membrane Science</i> , <b>2008</b> , 319, 271-278	9.6	142
110	Separation performance of thin-film composite nanofiltration membrane through interfacial polymerization using different amine monomers. <i>Desalination</i> , <b>2014</b> , 333, 59-65	10.3	140
109	Ultrathin nanofiltration membrane with polydopamine-covalent organic framework interlayer for enhanced permeability and structural stability. <i>Journal of Membrane Science</i> , <b>2019</b> , 576, 131-141	9.6	136
108	Engineering amphiphilic membrane surfaces based on PEO and PDMS segments for improved antifouling performances. <i>Journal of Membrane Science</i> , <b>2014</b> , 450, 111-123	9.6	132
107	Pervaporation performance comparison of hybrid membranes filled with two-dimensional ZIF-L nanosheets and zero-dimensional ZIF-8 nanoparticles. <i>Journal of Membrane Science</i> , <b>2017</b> , 523, 185-196	9.6	132

106	Enhanced interfacial interaction and CO <sub>2</sub> separation performance of mixed matrix membrane by incorporating polyethylenimine-decorated metal-organic frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1065-77	9.5	130
105	2D Heterostructure Membranes with Sunlight-Driven Self-Cleaning Ability for Highly Efficient Oil/Water Separation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706545	15.6	123
104	Enhancing the CO <sub>2</sub> separation performance of composite membranes by the incorporation of amino acid-functionalized graphene oxide. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 6629-6641	13	118
103	Hybrid membranes for pervaporation separations. <i>Journal of Membrane Science</i> , <b>2017</b> , 541, 329-346	9.6	117
102	Thin film nanocomposite membranes incorporated with graphene quantum dots for high flux and antifouling property. <i>Journal of Membrane Science</i> , <b>2018</b> , 553, 17-24	9.6	112
101	Two-dimensional nanochannel membranes for molecular and ionic separations. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 1071-1089	58.5	103
100	Sulfonated poly(ether ether ketone)-based hybrid membranes containing graphene oxide with acid-base pairs for direct methanol fuel cells. <i>Electrochimica Acta</i> , <b>2016</b> , 203, 178-188	6.7	94
99	Covalent organic framework-modulated interfacial polymerization for ultrathin desalination membranes. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 25641-25649	13	94
98	Fabrication of electro-neutral nanofiltration membranes at neutral pH with antifouling surface via interfacial polymerization from a novel zwitterionic amine monomer. <i>Journal of Membrane Science</i> , <b>2016</b> , 503, 101-109	9.6	91
97	Fabrication of composite nanofiltration membrane by incorporating attapulgite nanorods during interfacial polymerization for high water flux and antifouling property. <i>Journal of Membrane Science</i> , <b>2017</b> , 544, 79-87	9.6	91
96	Incorporating Zwitterionic Graphene Oxides into Sodium Alginate Membrane for Efficient Water/Alcohol Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2097-103	9.5	90
95	Tunable Nanochannels along Graphene Oxide/Polymer Core/Shell Nanosheets to Enhance Proton Conductivity. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7502-7511	15.6	83
94	Highly water-permeable and stable hybrid membrane with asymmetric covalent organic framework distribution. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 583-595	9.6	80
93	Enhancing the permeation flux and antifouling performance of polyamide nanofiltration membrane by incorporation of PEG-POSS nanoparticles. <i>Journal of Membrane Science</i> , <b>2017</b> , 540, 454-463	9.6	80
92	Surface fluorination of polyamide nanofiltration membrane for enhanced antifouling property. <i>Journal of Membrane Science</i> , <b>2014</b> , 455, 15-23	9.6	79
91	Functionally graded membranes from nanoporous covalent organic frameworks for highly selective water permeation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 583-591	13	76
90	Weakly Humidity-Dependent Proton-Conducting COF Membranes. <i>Advanced Materials</i> , <b>2020</b> , 32, e2005565	16.5	74
89	SPEEK/amine-functionalized TiO <sub>2</sub> submicrospheres mixed matrix membranes for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2014</b> , 467, 23-35	9.6	69

88	Bioinspired Ultrastrong Solid Electrolytes with Fast Proton Conduction along 2D Channels. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605898	24	67
87	Solid-Vapor Interface Engineered Covalent Organic Framework Membranes for Molecular Separation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13450-13458	16.4	65
86	Organic molecular sieve membranes for chemical separations. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 5468-5516	58.16	55
85	Preparation of ultrathin, robust membranes through reactive layer-by-layer (LbL) assembly for pervaporation dehydration. <i>Journal of Membrane Science</i> , <b>2017</b> , 537, 229-238	9.6	54
84	Bioadhesion-inspired polymer/inorganic nanohybrid membranes with enhanced CO <sub>2</sub> capture properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19617		53
83	Polydopamine-modulated covalent organic framework membranes for molecular separation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18063-18071	13	51
82	Engineering amphiphilic nanofiltration membrane surfaces with a multi-defense mechanism for improved antifouling performances. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 7892-7902	13	51
81	Highly water-selective membranes based on hollow covalent organic frameworks with fast transport pathways. <i>Journal of Membrane Science</i> , <b>2018</b> , 565, 331-341	9.6	50
80	Janus composite nanoparticle-incorporated mixed matrix membranes for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2015</b> , 489, 1-10	9.6	49
79	Facilitating Proton Transport in Nafion-Based Membranes at Low Humidity by Incorporating Multifunctional Graphene Oxide Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 27676-27687	9.5	48
78	Metal-coordinated sub-10 nm membranes for water purification. <i>Nature Communications</i> , <b>2019</b> , 10, 41601-7.4	17.4	46
77	Creation of active-passive integrated mechanisms on membrane surfaces for superior antifouling and antibacterial properties. <i>Journal of Membrane Science</i> , <b>2018</b> , 548, 621-631	9.6	46
76	Fabrication of hybrid membranes by incorporating acid-base pair functionalized hollow mesoporous silica for enhanced proton conductivity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 16079-16088	13.8	44
75	Mixed Nanosheet Membranes Assembled from Chemically Grafted Graphene Oxide and Covalent Organic Frameworks for Ultra-high Water Flux. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28978-28986	9.5	41
74	Graphene quantum dots engineered nanofiltration membrane for ultrafast molecular separation. <i>Journal of Membrane Science</i> , <b>2019</b> , 572, 504-511	9.6	41
73	Manipulation of interactions at membrane interfaces for energy and environmental applications. <i>Progress in Polymer Science</i> , <b>2018</b> , 80, 125-152	29.6	40
72	Membrane-Based Olefin/Paraffin Separations. <i>Advanced Science</i> , <b>2020</b> , 7, 2001398	13.6	39
71	Graphene quantum dot engineered ultrathin loose polyamide nanofilms for high-performance nanofiltration. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 23930-23938	13	38

70	Water-selective permeation in hybrid membrane incorporating multi-functional hollow ZIF-8 nanospheres. <i>Journal of Membrane Science</i> , <b>2018</b> , 555, 146-156	9.6	38
69	Bimetallic metal-organic frameworks nanocages as multi-functional fillers for water-selective membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 545, 19-28	9.6	38
68	Enhanced pervaporative performance of hybrid membranes containing Fe <sub>3</sub> O <sub>4</sub> @CNT nanofillers. <i>Journal of Membrane Science</i> , <b>2015</b> , 492, 230-241	9.6	37
67	Fabrication of Nafion/zwitterion-functionalized covalent organic framework composite membranes with improved proton conductivity. <i>Journal of Membrane Science</i> , <b>2018</b> , 568, 1-9	9.6	37
66	Graphene oxide quantum dots incorporated nanocomposite membranes with high water flux for pervaporative dehydration. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 903-913	9.6	36
65	Covalent Organic Framework Nanosheets as Reactive Fillers To Fabricate Free-Standing Polyamide Membranes for Efficient Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 27777-27785	9.5	33
64	Heterostructured filler in mixed matrix membranes to coordinate physical and chemical selectivities for enhanced CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2018</b> , 567, 272-280	9.6	33
63	Enhancing the permeation selectivity of sodium alginate membrane by incorporating attapulgite nanorods for ethanol dehydration. <i>RSC Advances</i> , <b>2016</b> , 6, 14381-14392	3.7	32
62	Multifunctional covalent organic framework (COF)-Based mixed matrix membranes for enhanced CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118693	9.6	32
61	Bristed acid mediated covalent organic framework membranes for efficient molecular separation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20317-20324	13	31
60	Graphene oxide membranes with fixed interlayer distance via dual crosslinkers for efficient liquid molecular separations. <i>Journal of Membrane Science</i> , <b>2020</b> , 595, 117486	9.6	31
59	Ultrapervaporative graphene oxide membranes with tunable interlayer distances via vein-like supramolecular dendrimers. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18642-18652	13	29
58	Control of Edge/in-Plane Interactions toward Robust, Highly Proton Conductive Graphene Oxide Membranes. <i>ACS Nano</i> , <b>2019</b> , 13, 10366-10375	16.7	28
57	Significantly enhanced CO <sub>2</sub> capture properties by synergy of zinc ion and sulfonate in Pebax-pitch hybrid membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 670-679	9.6	28
56	110th Anniversary: Mixed Matrix Membranes with Fillers of Intrinsic Nanopores for Gas Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 7706-7724	3.9	27
55	Hierarchical pore architectures from 2D covalent organic nanosheets for efficient water/alcohol separation. <i>Journal of Membrane Science</i> , <b>2018</b> , 561, 79-88	9.6	26
54	Embedding hydrophobic MoS <sub>2</sub> nanosheets within hydrophilic sodium alginate membrane for enhanced ethanol dehydration. <i>Chemical Engineering Science</i> , <b>2018</b> , 185, 231-242	4.4	24
53	Porous organosilicon nanotubes in pebax-based mixed-matrix membranes for biogas purification. <i>Journal of Membrane Science</i> , <b>2019</b> , 573, 301-308	9.6	24

52	Electrostatic-modulated interfacial polymerization toward ultra-permselective nanofiltration membranes. <i>IScience</i> , <b>2021</b> , 24, 102369	6.1	23
51	A highly conductive and robust anion conductor obtained via synergistic manipulation in intra- and inter-laminate of layered double hydroxide nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10277-10285 <sup>13</sup> 22		
50	2D layered double hydroxide membranes with intrinsic breathing effect toward CO <sub>2</sub> for efficient carbon capture. <i>Journal of Membrane Science</i> , <b>2020</b> , 598, 117663	9.6	21
49	In situ construction of chemically heterogeneous hydrogel surfaces toward near-zero-flux-decline membranes for oil-water separation. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117455	9.6	21
48	Preparation of Antifouling Nanofiltration Membrane via Interfacial Polymerization of Fluorinated Polyamine and Trimesoyl Chloride. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 8302-8310 <sup>3,9</sup>		20
47	Enhanced dehydration performance of hybrid membranes by incorporating lanthanide-based MOFs. <i>Journal of Membrane Science</i> , <b>2018</b> , 546, 31-40	9.6	20
46	Construction of molecule-selective mixed matrix membranes with confined mass transfer structure. <i>Chinese Journal of Chemical Engineering</i> , <b>2017</b> , 25, 1563-1580	3.2	19
45	Ultrathin heterostructured covalent organic framework membranes with interfacial molecular sieving capacity for fast water-selective permeation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19328-19336 <sup>13</sup>		18
44	Scalable Fabrication of Crystalline COF Membranes from Amorphous Polymeric Membranes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 18051-18058	16.4	16
43	Superwetting membranes: from controllable constructions to efficient separations. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 1395-1417	13	16
42	Constructing channel-mediated facilitated transport membranes by incorporating covalent organic framework nanosheets with tunable microenvironments. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9912-9923 <sup>13</sup>		15
41	Ultrathin fluorinated self-cleaning membranes via coordination-driven metal-bridging assembly for water purification. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 4505-4514	13	15
40	Incorporating arginine-FeIII complex into polyamide membranes for enhanced water permeance and antifouling performance. <i>Journal of Membrane Science</i> , <b>2020</b> , 602, 117980	9.6	14
39	In-situ construction of antifouling separation layer via a reaction enhanced surface segregation method. <i>Chemical Engineering Science</i> , <b>2018</b> , 190, 89-97	4.4	14
38	One-pot synthesis of silica/titania binary nanoparticles with acid/base pairs via biomimetic mineralization to fabricate highly proton-conductive membranes. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18585-18593	13	14
37	Construction of graphene oxide membrane through non-covalent cross-linking by sulfonated cyclodextrin for ultra-permeable butanol dehydration. <i>Journal of Membrane Science</i> , <b>2021</b> , 621, 118938	9.6	14
36	Enhanced dehydration performance of hybrid membranes by incorporating fillers with hydrophilic-hydrophobic regions. <i>Chemical Engineering Science</i> , <b>2018</b> , 178, 273-283	4.4	11
35	Exfoliation-free layered double hydroxides laminates intercalated with amino acids for enhanced CO <sub>2</sub> separation of mixed matrix membrane. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118691	9.6	11

34	Pervaporation dehydration of an acetone/water mixture by hybrid membranes incorporated with sulfonated carbon molecular sieves. <i>RSC Advances</i> , <b>2016</b> , 6, 55272-55281	3.7	10
33	Supramolecular Calix[4]arenes-Intercalated Graphene Oxide Membranes for Efficient Proton Conduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 42250-42260	9.5	8
32	Plasticization- and aging-resistant membranes with venation-like architecture for efficient carbon capture. <i>Journal of Membrane Science</i> , <b>2020</b> , 609, 118215	9.6	8
31	Heterostructured graphene oxide membranes with tunable water-capture coatings for highly selective water permeation. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 7903-7912	13	8
30	Graphene oxide membranes tuned by metal-phytic acid coordination complex for butanol dehydration. <i>Journal of Membrane Science</i> , <b>2021</b> , 638, 119736	9.6	8
29	Incorporating covalent organic framework nanosheets into polyamide membranes for efficient desalination. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 119046	8.3	7
28	Loosening ultrathin polyamide nanofilms through alkali hydrolysis for high-permselective nanofiltration. <i>Journal of Membrane Science</i> , <b>2021</b> , 637, 119623	9.6	7
27	Thermal-facilitated interfacial polymerization toward high-performance polyester desalination membrane. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8470-8479	13	7
26	Tuning the pore size of graphene quantum dots composite nanofiltration membranes by P-aminobenzoic acid for enhanced dye/salt separation. <i>Separation and Purification Technology</i> , <b>2021</b> , 263, 118372	8.3	6
25	Fouling-resistant robust membranes via electrostatic complexation for water purification. <i>Chemical Engineering Journal</i> , <b>2021</b> , 416, 129139	14.7	6
24	Conferring efficient alcohol dehydration to covalent organic framework membranes via post-synthetic linker exchange. <i>Journal of Membrane Science</i> , <b>2021</b> , 630, 119319	9.6	6
23	Three-dimensional covalent organic framework membrane for efficient proton conduction. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 17720-17723	13	6
22	Oil/water separation membranes with a fluorine island structure for stable high flux. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6905-6912	13	6
21	Engineering multi-pathway graphene oxide membranes toward ultrafast water purification. <i>Journal of Membrane Science</i> , <b>2021</b> , 638, 119706	9.6	6
20	A nonionic polymer-brush-grafted PVDF membrane to analyse fouling during the filtration of oil/water emulsions. <i>Journal of Membrane Science</i> , <b>2021</b> , 637, 119644	9.6	6
19	Ultrathin nanofiltration membrane assembled by polyethyleneimine-grafted graphene quantum dots. <i>Journal of Membrane Science</i> , <b>2022</b> , 642, 119944	9.6	5
18	Electrostatic enhanced surface segregation approach to self-cleaning and antifouling membranes for efficient molecular separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 638, 119689	9.6	5
17	Amino-functionalized NUS-8 nanosheets as fillers in PIM-1 mixed matrix membranes for CO <sub>2</sub> separations. <i>Journal of Membrane Science</i> , <b>2022</b> , 641, 119912	9.6	5

16	Vertically oriented Fe <sub>3</sub> O <sub>4</sub> nanoflakes within hybrid membranes for efficient water/ethanol separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 118916	9.6	4
15	Sulfonated lignin intercalated graphene oxide membranes for efficient proton conduction. <i>Journal of Membrane Science</i> , <b>2021</b> , 644, 120126	9.6	3
14	Mix-charged polyamide membranes via molecular hybridization for selective ionic nanofiltration. <i>Journal of Membrane Science</i> , <b>2021</b> , 644, 120051	9.6	3
13	Highly permeable and antioxidative graphene oxide membranes for concentration of hydrogen peroxide aqueous solution. <i>Journal of Membrane Science</i> , <b>2021</b> , 643, 120036	9.6	3
12	Ultrathin polyamide nanofiltration membranes with tunable chargeability for multivalent cation removal. <i>Journal of Membrane Science</i> , <b>2022</b> , 642, 119971	9.6	3
11	Vapor-liquid interfacial polymerization of covalent organic framework membranes for efficient alcohol dehydration. <i>Journal of Membrane Science</i> , <b>2022</b> , 641, 119905	9.6	3
10	Charged nanochannels endow COF membrane with weakly concentration-dependent methanol permeability. <i>Journal of Membrane Science</i> , <b>2022</b> , 645, 120186	9.6	2
9	Hybrid membranes with 2D vertical continuous channels from layered double hydroxides array for high-efficiency ethanol dehydration. <i>Journal of Membrane Science</i> , <b>2022</b> , 643, 120040	9.6	1
8	Perfluorooctanoyl chloride engineering toward high-flux antifouling polyamide nanofilms for desalination. <i>Journal of Membrane Science</i> , <b>2022</b> , 644, 120166	9.6	1
7	Ultrathin Membranes for Separations: A New Era Driven by Advanced Nanotechnology.. <i>Advanced Materials</i> , <b>2022</b> , e2108457	24	1
6	A facile metal ion pre-anchored strategy for fabrication of defect-free MOF membranes on polymeric substrates. <i>Journal of Membrane Science</i> , <b>2022</b> , 650, 120419	9.6	1
5	Microstructure Manipulation of Covalent Organic Frameworks (COFs)-based Membrane for Efficient Separations. <i>Chemical Research in Chinese Universities</i> , 1	2.2	0
4	Weakly pressure-dependent molecular sieving of propylene/propane mixtures through mixed matrix membrane with ZIF-8 direct-through channels. <i>Journal of Membrane Science</i> , <b>2022</b> , 648, 120366	9.6	0
3	Incorporating amino acids functionalized graphene oxide nanosheets into Pebax membranes for CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , <b>2022</b> , 288, 120682	8.3	0
2	Anionic covalent organic framework engineered high-performance polyamide membrane for divalent anions removal. <i>Journal of Membrane Science</i> , <b>2022</b> , 650, 120451	9.6	0
1	Modulating interfacial polymerization with phytate as aqueous-phase additive for highly-permeable nanofiltration membranes. <i>Journal of Membrane Science</i> , <b>2022</b> , 657, 120673	9.6	0