

Gong-Ping Liu

List of Publications by Year in Descending Order

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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.

145
papers

8,894
citations

49
h-index

91
g-index

162
ext. papers

11,129
ext. citations

9.9
avg, IF

6.82
L-index

#	Paper	IF	Citations
145	Membrane materials targeting carbon capture and utilization 2022 , 2, 100025		5
144	High-flux corrugated PDMS composite membrane fabricated by using nanofiber substrate. <i>Journal of Membrane Science</i> , 2022 , 647, 120336	9.6	3
143	Separation of mono-/di-valent ions via charged interlayer channels of graphene oxide membranes. <i>Journal of Membrane Science</i> , 2022 , 645, 120212	9.6	5
142	Methanol/dimethyl carbonate separation using graphene oxide membrane via cationic control of molecular transport channels. <i>Journal of Membrane Science</i> , 2022 , 650, 120457	9.6	0
141	Efficient separation of methanol/dimethyl carbonate mixtures by UiO-66 MOF incorporated chitosan mixed-matrix membrane. <i>Journal of Membrane Science</i> , 2022 , 652, 120473	9.6	2
140	Graphene oxide membrane regulated by surface charges and interlayer channels for selective transport of monovalent ions over divalent ions. <i>Separation and Purification Technology</i> , 2022 , 291, 120938	8.3	2
139	Efficient separation of (C102) alcohol solutions by graphyne membranes: A molecular simulation study. <i>Journal of Membrane Science</i> , 2021 , 120139	9.6	1
138	Two-dimensional MXene hollow fiber membrane for divalent ions exclusion from water. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 41, 260-260	3.2	3
137	Fungal Cell Wall-Graphene Oxide Microcomposite Membrane for Organic Solvent Nanofiltration. <i>Advanced Functional Materials</i> , 2021 , 31, 2100110	15.6	19
136	Fabrication of surface-charged MXene membrane and its application for water desalination. <i>Journal of Membrane Science</i> , 2021 , 623, 119076	9.6	31
135	Penetrant competition and plasticization in membranes: How negatives can be positives in natural gas sweetening. <i>Journal of Membrane Science</i> , 2021 , 627, 119201	9.6	10
134	ZIF-301 MOF/6FDA-DAM polyimide mixed-matrix membranes for CO ₂ /CH ₄ separation. <i>Separation and Purification Technology</i> , 2021 , 264, 118431	8.3	15
133	Natural gas purification by asymmetric membranes: An overview. <i>Green Energy and Environment</i> , 2021 , 6, 176-192	5.7	10
132	Recent advances in facilitated transport membranes for olefin/paraffin separation. <i>Discover Chemical Engineering</i> , 2021 , 1, 1		4
131	M-gallate MOF/6FDA-polyimide mixed-matrix membranes for C ₂ H ₄ /C ₂ H ₆ separation. <i>Journal of Membrane Science</i> , 2021 , 620, 118852	9.6	9
130	Theoretical study on Janus graphene oxide membrane for water transport. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 913-921	4.5	4
129	Artificial channels for confined mass transport at the sub-nanometre scale. <i>Nature Reviews Materials</i> , 2021 , 6, 294-312	73.3	57

128	Dehydration of C ₂ H ₄ alcohol/water mixtures via electrostatically enhanced graphene oxide lamellar membranes. <i>AIChE Journal</i> , 2021 , 67, aic17170	3.6	16
127	Designing Biomimic Two-Dimensional Ionic Transport Channels for Efficient Ion Sieving. <i>ACS Nano</i> , 2021 , 15, 5209-5220	16.7	28
126	MIL-101(Cr) Microporous Nanocrystals Intercalating Graphene Oxide Membrane for Efficient Hydrogen Purification. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3162-3169	4.5	3
125	Pervaporation membrane materials: Recent trends and perspectives. <i>Journal of Membrane Science</i> , 2021 , 636, 119557	9.6	37
124	Benchmark CO ₂ separation achieved by highly fluorinated nanoporous molecular sieve membranes from nonporous precursor via in situ cross-linking. <i>Journal of Membrane Science</i> , 2021 , 638, 119698	9.6	1
123	Recycle of ceramic substrate of PDMS/ceramic composite membranes towards alcohol-permselective pervaporation. <i>Journal of Membrane Science</i> , 2021 , 640, 119835	9.6	6
122	Two-Dimensional-Material Membranes: Manipulating the Transport Pathway for Molecular Separation. <i>Accounts of Materials Research</i> , 2021 , 2, 114-128	7.5	29
121	Graphene-based membranes for pervaporation processes. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1755-1766	3.2	15
120	Simulation of cations separation through charged porous graphene membrane. <i>Chemical Physics Letters</i> , 2020 , 753, 137606	2.5	5
119	PDMS mixed-matrix membranes with molecular fillers via reactive incorporation and their application for bio-butanol recovery from aqueous solution. <i>Journal of Polymer Science</i> , 2020 , 58, 2634-2643	2.4	5
118	g-C ₃ N ₄ nanosheets with tunable affinity and sieving effect endowing polymeric membranes with enhanced CO ₂ capture property. <i>Separation and Purification Technology</i> , 2020 , 250, 117200	8.3	22
117	Roughness-enhanced hydrophobic graphene oxide membrane for water desalination via membrane distillation. <i>Journal of Membrane Science</i> , 2020 , 611, 118364	9.6	45
116	Fluorinated PDMS membrane with anti-biofouling property for in-situ biobutanol recovery from fermentation-pervaporation coupled process. <i>Journal of Membrane Science</i> , 2020 , 609, 118225	9.6	29
115	A Separation-Sensing Membrane Performing Precise Real-Time Serum Analysis During Blood Drawing. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18701-18708	16.4	11
114	A Separation-Sensing Membrane Performing Precise Real-Time Serum Analysis During Blood Drawing. <i>Angewandte Chemie</i> , 2020 , 132, 18860-18867	3.6	
113	Polyelectrolyte Functionalized Ti ₂ CT _x MXene Membranes for Pervaporation Dehydration of Isopropanol/Water Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4732-4741	3.9	33
112	Surpassing Robeson Upper Limit for CO ₂ /N ₂ Separation with Fluorinated Carbon Molecular Sieve Membranes. <i>Chem</i> , 2020 , 6, 631-645	16.2	22
111	Pebax-Based Membrane Filled with Two-Dimensional Mxene Nanosheets for Efficient CO Capture. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2364-2370	4.5	27

110	Cysteamine-crosslinked graphene oxide membrane with enhanced hydrogen separation property. <i>Journal of Membrane Science</i> , 2020 , 595, 117568	9.6	34
109	Cross-Linkable Semi-Rigid 6FDA-Based Polyimide Hollow Fiber Membranes for Sour Natural Gas Purification. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 5333-5339	3.9	11
108	Polydimethylsiloxane (PDMS) Composite Membrane Fabricated on the Inner Surface of a Ceramic Hollow Fiber: From Single-Channel to Multi-Channel. <i>Engineering</i> , 2020 , 6, 89-99	9.7	13
107	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1689-1695	16.4	88
106	Ultrafast water-selective permeation through graphene oxide membrane with water transport promoters. <i>AIChE Journal</i> , 2020 , 66, e16812	3.6	20
105	Bola-amphiphile-imidazole embedded GO membrane with enhanced solvent dehydration properties. <i>Journal of Membrane Science</i> , 2020 , 595, 117545	9.6	7
104	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie</i> , 2020 , 132, 1706-1712	16.4	9
103	Production of alcohol-free wine and grape spirit by pervaporation membrane technology. <i>Food and Bioproducts Processing</i> , 2020 , 123, 262-273	4.9	10
102	Enhanced Selective Hydrogen Permeation through Graphdiyne Membrane: A Theoretical Study. <i>Membranes</i> , 2020 , 10,	3.8	4
101	Tuning Gate-Opening of a Flexible Metal-Organic Framework for Ternary Gas Sieving Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22756-22762	16.4	73
100	Recent Progress in Separation Membranes and Their Fermentation Coupled Processes for Biobutanol Recovery. <i>Energy & Fuels</i> , 2020 , 34, 11962-11975	4.1	11
99	Surprising plasticization benefits in natural gas upgrading using polyimide membranes. <i>Journal of Membrane Science</i> , 2020 , 593, 117430	9.6	26
98	Ultrathin Membranes with a Polymer/Nanofiber Interpenetrated Structure for High-Efficiency Liquid Separations. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36717-36726	9.5	16
97	Hyperaging Tuning of a Carbon Molecular-Sieve Hollow Fiber Membrane with Extraordinary Gas-Separation Performance and Stability. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11700-11703	16.4	26
96	High-Performance CO ₂ Capture through Polymer-Based Ultrathin Membranes. <i>Advanced Functional Materials</i> , 2019 , 29, 1900735	15.6	36
95	Molecular dynamics simulation of water-ethanol separation through monolayer graphene oxide membranes: Significant role of O/C ratio and pore size. <i>Separation and Purification Technology</i> , 2019 , 224, 219-226	8.3	22
94	Cation-diffusion controlled formation of thin graphene oxide composite membranes for efficient ethanol dehydration. <i>Science China Materials</i> , 2019 , 62, 925-935	7.1	14
93	Optimizing separation performance and interfacial adhesion of PDMS/PVDF composite membranes for butanol recovery from aqueous solution. <i>Journal of Membrane Science</i> , 2019 , 579, 210-218	9.6	20

92	Controllable ion transport by surface-charged graphene oxide membrane. <i>Nature Communications</i> , 2019 , 10, 1253	17.4	184
91	Two-dimensional Ti ₂ CTx MXene membranes with integrated and ordered nanochannels for efficient solvent dehydration. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12095-12104	13	61
90	Conformation-Controlled Molecular Sieving Effects for Membrane-Based Propylene/Propane Separation. <i>Advanced Materials</i> , 2019 , 31, e1807513	24	83
89	Gas permeation through double-layer graphene oxide membranes: The role of interlayer distance and pore offset. <i>Separation and Purification Technology</i> , 2019 , 209, 419-425	8.3	26
88	In-situ recovery of bio-butanol from glycerol fermentation using PDMS/ceramic composite membrane. <i>Separation and Purification Technology</i> , 2019 , 229, 115811	8.3	13
87	Hyperaging Tuning of a Carbon Molecular-Sieve Hollow Fiber Membrane with Extraordinary Gas-Separation Performance and Stability. <i>Angewandte Chemie</i> , 2019 , 131, 11826-11829	3.6	6
86	Simultaneously enhancing interfacial adhesion and pervaporation separation performance of PDMS/ceramic composite membrane via a facile substrate surface grafting approach. <i>AIChE Journal</i> , 2019 , 65, e16773	3.6	12
85	Recent Progress in Two-dimensional-material Membranes for Gas Separation. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2019 , 35, 1090-1098	3.8	14
84	MOF-801 incorporated PEBA mixed-matrix composite membranes for CO ₂ capture. <i>Separation and Purification Technology</i> , 2019 , 217, 229-239	8.3	74
83	Effect of substrate on formation and nanofiltration performance of graphene oxide membranes. <i>Journal of Membrane Science</i> , 2019 , 574, 196-204	9.6	75
82	Simultaneously tuning dense skin and porous substrate of asymmetric hollow fiber membranes for efficient purification of aggressive natural gas. <i>AIChE Journal</i> , 2019 , 65, 1269-1280	3.6	12
81	Fabrication of ZIF-300 membrane and its application for efficient removal of heavy metal ions from wastewater. <i>Journal of Membrane Science</i> , 2019 , 572, 20-27	9.6	45
80	Enhanced CO ₂ /N ₂ separation performance by using dopamine/polyethyleneimine-grafted TiO ₂ nanoparticles filled PEBA mixed-matrix membranes. <i>Separation and Purification Technology</i> , 2019 , 214, 78-86	8.3	34
79	Mixed-matrix hollow fiber composite membranes comprising of PEBA and MOF for pervaporation separation of ethanol/water mixtures. <i>Separation and Purification Technology</i> , 2019 , 214, 2-10	8.3	32
78	Mixed matrix formulations with MOF molecular sieving for key energy-intensive separations. <i>Nature Materials</i> , 2018 , 17, 283-289	27	298
77	Accelerating Membrane-based CO Separation by Soluble Nanoporous Polymer Networks Produced by Mechanochemical Oxidative Coupling. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2816-2821	16.4	40
76	Accelerating Membrane-based CO ₂ Separation by Soluble Nanoporous Polymer Networks Produced by Mechanochemical Oxidative Coupling. <i>Angewandte Chemie</i> , 2018 , 130, 2866-2871	3.6	10
75	Graphene oxide membrane for molecular separation: challenges and opportunities. <i>Science China Materials</i> , 2018 , 61, 1021-1026	7.1	25

74	6FDA-DETD: DABE polyimide-derived carbon molecular sieve hollow fiber membranes: Circumventing unusual aging phenomena. <i>Journal of Membrane Science</i> , 2018 , 546, 197-205	9.6	29
73	Enhanced CO/CH Separation Performance of a Mixed Matrix Membrane Based on Tailored MOF-Polymer Formulations. <i>Advanced Science</i> , 2018 , 5, 1800982	13.6	67
72	Precisely Controlling Nanochannels of Graphene Oxide Membranes through Lignin-Based Cation Decoration for Dehydration of Biofuels. <i>ChemSusChem</i> , 2018 , 11, 2315-2320	8.3	28
71	Metal-organic framework adsorbents and membranes for separation applications. <i>Current Opinion in Chemical Engineering</i> , 2018 , 20, 122-131	5.4	46
70	Zeolite-like MOF nanocrystals incorporated 6FDA-polyimide mixed-matrix membranes for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2018 , 565, 186-193	9.6	44
69	2D MXene Nanofilms with Tunable Gas Transport Channels. <i>Advanced Functional Materials</i> , 2018 , 28, 1801511	15.6	197
68	Preparation of anti-adhesion and bacterial destructive polymeric ultrafiltration membranes using modified mesoporous carbon. <i>Separation and Purification Technology</i> , 2018 , 205, 273-283	8.3	39
67	Chapter 2: Graphene-based Membranes. <i>RSC Nanoscience and Nanotechnology</i> , 2018 , 14-42		1
66	Highly efficient CH ₄ purification by LaBTB PCP-based mixed matrix membranes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 599-606	13	21
65	Ultrathin two-dimensional MXene membrane for pervaporation desalination. <i>Journal of Membrane Science</i> , 2018 , 548, 548-558	9.6	197
64	Natural gas upgrading using a fluorinated MOF with tuned H ₂ S and CO ₂ adsorption selectivity. <i>Nature Energy</i> , 2018 , 3, 1059-1066	62.3	123
63	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO from Natural Gas. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14811-14816	16.4	111
62	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO ₂ from Natural Gas. <i>Angewandte Chemie</i> , 2018 , 130, 15027-15032	3.6	10
61	Facilitated water-selective permeation via PEGylation of graphene oxide membrane. <i>Journal of Membrane Science</i> , 2018 , 567, 311-320	9.6	34
60	Tunable dextran retention of MXene-TiO ₂ mesoporous membranes by adjusting the 2D MXene content. <i>2D Materials</i> , 2018 , 5, 045003	5.9	21
59	Improved ethanol recovery through mixed-matrix membrane with hydrophobic MAF-6 as filler. <i>Separation and Purification Technology</i> , 2017 , 178, 105-112	8.3	53
58	Perovskite Hollow Fibers with Precisely Controlled Cation Stoichiometry via One-Step Thermal Processing. <i>Advanced Materials</i> , 2017 , 29, 1606377	24	20
57	Vapor transport in graphene oxide laminates and their application in pervaporation. <i>Current Opinion in Chemical Engineering</i> , 2017 , 16, 56-64	5.4	22

56	Graphene oxide membranes supported on the ceramic hollow fibre for efficient H ₂ recovery. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 752-759	3.2	31
55	Ion sieving in graphene oxide membranes via cationic control of interlayer spacing. <i>Nature</i> , 2017 , 550, 380-383	50.4	768
54	Novel ZIF-300 Mixed-Matrix Membranes for Efficient CO Capture. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38575-38583	9.5	42
53	Nanoparticles@rGO membrane enabling highly enhanced water permeability and structural stability with preserved selectivity. <i>AIChE Journal</i> , 2017 , 63, 5054-5063	3.6	76
52	Purification of Aggressive Supercritical Natural Gas Using Carbon Molecular Sieve Hollow Fiber Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 10482-10490	3.9	22
51	Ceramic-Supported Organic Composite Membranes for Gas Separation 2017 , 59-95		
50	3D nanoporous crystals enabled 2D channels in graphene membrane with enhanced water purification performance. <i>Journal of Membrane Science</i> , 2017 , 542, 41-51	9.6	110
49	Hydrophobic-functionalized ZIF-8 nanoparticles incorporated PDMS membranes for high-selective separation of propane/nitrogen. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017 , 12, 110-120	1.3	17
48	Spray-evaporation assembled graphene oxide membranes for selective hydrogen transport. <i>Separation and Purification Technology</i> , 2017 , 174, 126-135	8.3	69
47	Membranen aus zweidimensionalen Materialien: eine neue Familie hochleistungsffiger Trennmembranen. <i>Angewandte Chemie</i> , 2016 , 128, 13580-13595	3.6	30
46	Two-Dimensional-Material Membranes: A New Family of High-Performance Separation Membranes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13384-13397	16.4	408
45	Unprecedented Perovskite Oxyfluoride Membranes with High-Efficiency Oxygen Ion Transport Paths for Low-Temperature Oxygen Permeation. <i>Advanced Materials</i> , 2016 , 28, 3511-5	24	92
44	Conducting Membranes: Unprecedented Perovskite Oxyfluoride Membranes with High-Efficiency Oxygen Ion Transport Paths for Low-Temperature Oxygen Permeation (Adv. Mater. 18/2016). <i>Advanced Materials</i> , 2016 , 28, 3510-3510	24	1
43	Size effects of graphene oxide on mixed matrix membranes for CO ₂ separation. <i>AIChE Journal</i> , 2016 , 62, 2843-2852	3.6	88
42	PEBA/ceramic hollow fiber composite membrane for high-efficiency recovery of bio-butanol via pervaporation. <i>Journal of Membrane Science</i> , 2016 , 510, 338-347	9.6	54
41	Preparation and characterization of Ni ₂ (mal) ₂ (bpy) homochiral MOF membrane. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016 , 11, 60-69	1.3	12
40	Subnanometer Two-Dimensional Graphene Oxide Channels for Ultrafast Gas Sieving. <i>ACS Nano</i> , 2016 , 10, 3398-409	16.7	254
39	Ceramic hollow fiber-supported PDMS composite membranes for oxygen enrichment from air. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016 , 11, 460-466	1.3	7

38	Facile tailoring of the two-dimensional graphene oxide channels for gas separation. <i>RSC Advances</i> , 2016 , 6, 54281-54285	3.7	33
37	UiO-66-polyether block amide mixed matrix membranes for CO ₂ separation. <i>Journal of Membrane Science</i> , 2016 , 513, 155-165	9.6	205
36	A novel membrane with heterogeneously functionalized nanocrystal layers performing blood separation and sensing synchronously. <i>Chemical Communications</i> , 2016 , 52, 12706-12709	5.8	8
35	Molecularly Designed Stabilized Asymmetric Hollow Fiber Membranes for Aggressive Natural Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13754-13758	16.4	22
34	Molecularly Designed Stabilized Asymmetric Hollow Fiber Membranes for Aggressive Natural Gas Separation. <i>Angewandte Chemie</i> , 2016 , 128, 13958-13962	3.6	7
33	Mechanical properties and interfacial adhesion of composite membranes probed by in-situ nano-indentation/scratch technique. <i>Journal of Membrane Science</i> , 2015 , 494, 205-215	9.6	51
32	A ZIF-71 Hollow Fiber Membrane Fabricated by Contra-Diffusion. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16157-60	9.5	54
31	Fabrication of graphene oxide composite membranes and their application for pervaporation dehydration of butanol. <i>Chinese Journal of Chemical Engineering</i> , 2015 , 23, 1102-1109	3.2	55
30	Graphene-based membranes. <i>Chemical Society Reviews</i> , 2015 , 44, 5016-30	58.5	750
29	Hollow fiber modules with ceramic-supported PDMS composite membranes for pervaporation recovery of bio-butanol. <i>Separation and Purification Technology</i> , 2015 , 146, 24-32	8.3	45
28	Membranes with Fast and Selective Gas-Transport Channels of Laminar Graphene Oxide for Efficient CO ₂ Capture. <i>Angewandte Chemie</i> , 2015 , 127, 588-592	3.6	172
27	Membranes with fast and selective gas-transport channels of laminar graphene oxide for efficient CO ₂ capture. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 578-82	16.4	75
26	High-Efficiency Water-Transport Channels using the Synergistic Effect of a Hydrophilic Polymer and Graphene Oxide Laminates. <i>Advanced Functional Materials</i> , 2015 , 25, 5809-5815	15.6	142
25	A robust mixed-conducting multichannel hollow fiber membrane reactor. <i>AIChE Journal</i> , 2015 , 61, 2592-2599	3.599	21
24	Innenrücktitelbild: Membranes with Fast and Selective Gas-Transport Channels of Laminar Graphene Oxide for Efficient CO ₂ Capture (Angew. Chem. 2/2015). <i>Angewandte Chemie</i> , 2015 , 127, 707-707	3.6	707
23	Acetone/Butanol/Ethanol production using pH control strategy and immobilized cells in an integrated fermentation/pervaporation process. <i>Process Biochemistry</i> , 2015 , 50, 614-622	4.8	25
22	Mixed matrix membranes with molecular-interaction-driven tunable free volumes for efficient bio-fuel recovery. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4510-4521	13	88
21	A facile way to prepare ceramic-supported graphene oxide composite membrane via silane-graft modification. <i>Applied Surface Science</i> , 2014 , 307, 631-637	6.7	127

20	A graphene oxide membrane with highly selective molecular separation of aqueous organic solution. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6929-32	16.4	353
19	PDMS/ceramic composite membrane for pervaporation separation of acetone/butanol/ethanol (ABE) aqueous solutions and its application in intensification of ABE fermentation process. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 86, 162-172	3.7	53
18	PDMS/PVDF composite pervaporation membrane for the separation of dimethyl carbonate from a methanol solution. <i>Journal of Membrane Science</i> , 2014 , 471, 47-55	9.6	45
17	Fabrication of MOFs/PEBA mixed matrix membranes and their application in bio-butanol production. <i>Separation and Purification Technology</i> , 2014 , 133, 40-47	8.3	58
16	Pervaporation Membranes for Biobutanol Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 546-560	8.3	149
15	A Graphene Oxide Membrane with Highly Selective Molecular Separation of Aqueous Organic Solution. <i>Angewandte Chemie</i> , 2014 , 126, 7049-7052	3.6	45
14	High performance ceramic hollow fiber supported PDMS composite pervaporation membrane for bio-butanol recovery. <i>Journal of Membrane Science</i> , 2014 , 450, 38-47	9.6	117
13	Hydrophobic-ZIF-71 filled PEBA mixed matrix membranes for recovery of biobutanol via pervaporation. <i>Journal of Membrane Science</i> , 2013 , 446, 181-188	9.6	203
12	Ceramic Supported PDMS and PEGDA Composite Membranes for CO ₂ Separation. <i>Chinese Journal of Chemical Engineering</i> , 2013 , 21, 348-356	3.2	26
11	Polymer/Ceramic Composite Membranes and Their Application in Pervaporation Process. <i>Chinese Journal of Chemical Engineering</i> , 2012 , 20, 62-70	3.2	49
10	Pervaporation properties of polyvinyl alcohol/ceramic composite membrane for separation of ethyl acetate/ethanol/water ternary mixtures. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 228-234	2.8	13
9	Acetone-butanol-ethanol (ABE) fermentation using <i>Clostridium acetobutylicum</i> XY16 and in situ recovery by PDMS/ceramic composite membrane. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 1057-1065	3.7	57
8	Novel Reactive Distillation/Pervaporation Coupled Process for Ethyl Acetate Production with Water Removal from Reboiler and Acetic Acid Recycle. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8079-8086	3.9	26
7	Pervaporation Separation of Butanol-Water Mixtures Using Polydimethylsiloxane/Ceramic Composite Membrane. <i>Chinese Journal of Chemical Engineering</i> , 2011 , 19, 40-44	3.2	53
6	Improved performance of PDMS/ceramic composite pervaporation membranes by ZSM-5 homogeneously dispersed in PDMS via a surface graft/coating approach. <i>Chemical Engineering Journal</i> , 2011 , 174, 495-503	14.7	133
5	Pervaporation performance of PDMS/ceramic composite membrane in acetone butanol ethanol (ABE) fermentation/PV coupled process. <i>Journal of Membrane Science</i> , 2011 , 373, 121-129	9.6	158
4	Effects of polydimethylsiloxane (PDMS) molecular weight on performance of PDMS/ceramic composite membranes. <i>Journal of Membrane Science</i> , 2011 , 375, 334-344	9.6	93
3	Interfacial adhesion between polymer separation layer and ceramic support for composite membrane. <i>AIChE Journal</i> , 2010 , 56, 1584-1592	3.6	70

- 2 Preparation of ceramic-supported poly(vinyl alcohol)/chitosan composite membranes and their applications in pervaporation dehydration of organic/water mixtures. *Journal of Membrane Science*, **2010**, 349, 341-348 9.6 96
- 1 Pervaporation separation of n-octane/thiophene mixtures using polydimethylsiloxane/ceramic composite membranes. *Desalination*, **2010**, 258, 106-111 10.3 55