

Xianshe Feng

List of Publications by Year in descending order

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142
papers

7,406
citations

41258

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60497

81
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143
all docs

143
docs citations

143
times ranked

6056
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction and concentration of glutathione from yeast by membranes. Canadian Journal of Chemical Engineering, 2022, 100, .	0.9	9
2	Permeability, solubility, and diffusivity of aniline in poly(ether-b-amide) membranes pertaining to aniline removal from aqueous solutions by pervaporation and sorption. Journal of Membrane Science, 2022, 642, 120006.	4.1	12
3	A field study of desalination of high-salinity surface brackish water via an RO-NF hybrid system. Chemical Engineering Research and Design, 2022, 182, 133-144.	2.7	3
4	Pervaporation-assisted desalination of seawater reverse osmosis brine. Separation and Purification Technology, 2022, 290, 120820.	3.9	17
5	Assessment of pervaporative concentration of dairy solutions vs ultrafiltration, nanofiltration and reverse osmosis. Separation and Purification Technology, 2022, 292, 120990.	3.9	6
6	Preparation and characterization of attapulgite-supported phase change energy storage materials. RSC Advances, 2022, 12, 15180-15189.	1.7	5
7	Co-depositing polyvinylamine and dopamine to enhance membrane performance for concentration of KAc solutions via sweeping air pervaporation. Journal of Membrane Science, 2022, 656, 120664.	4.1	4
8	Synthesis and Modification of Polyurethane Foam Doped with Multi-walled Carbon Nanotubes for Cleaning up Spilled Oil from Water. Journal of Polymers and the Environment, 2021, 29, 1271-1286.	2.4	15
9	Use of fibroin polypeptide from silk processing waste as an effective biosorbent for heavy metal removal. Canadian Journal of Chemical Engineering, 2021, 99, .	0.9	2
10	Perstraction of phenolic compounds via nonporous PEBA membranes. Separation and Purification Technology, 2021, 257, 117928.	3.9	10
11	Ethylene/propylene separation using mixed matrix membranes of poly (ether block amide)/nano-zeolite (NaY or NaA). Korean Journal of Chemical Engineering, 2021, 38, 576-586.	1.2	4
12	Treatment of Brackish Water RO Brine via Bipolar Membrane Electrodialysis. Industrial & Engineering Chemistry Research, 2021, 60, 3115-3129.	1.8	22
13	Green extraction of perilla volatile organic compounds by pervaporation. Separation and Purification Technology, 2021, 261, 118281.	3.9	15
14	Removal of phenolic contaminants from water by pervaporation. Journal of Membrane Science, 2021, 623, 119043.	4.1	38
15	Preparation of superhydrophobic and superoleophilic polyurethane foam for oil spill cleanup. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 758-768.	1.2	6
16	Concentration of potassium acetate solutions via sweeping gas pervaporation using TFC membranes comprising of a PDA sublayer and PEI/PAA bilayers. Separation and Purification Technology, 2021, 277, 119429.	3.9	8
17	Layer-by-layer assembly of polyethyleneimine/graphene oxide membranes for desalination of high-salinity water via pervaporation. Separation and Purification Technology, 2020, 234, 116077.	3.9	91
18	Carbon molecular sieve membranes for natural gas purification: Role of surface flow. Canadian Journal of Chemical Engineering, 2020, 98, 775-784.	0.9	6

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19	Extraction of dissolved methane from aqueous solutions by membranes: Modelling and parametric studies. <i>Journal of Membrane Science</i> , 2020, 596, 117594.	4.1	14
20	Salt transport in polymeric pervaporation membrane. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 758-765.	1.7	1
21	Self-assembled membranes from polyethylenimine and graphene oxide for pervaporation dehydration of ethylene glycol. <i>Journal of Membrane Science</i> , 2020, 616, 118583.	4.1	34
22	Desalination of high salinity brackish water by an NF-RO hybrid system. <i>Desalination</i> , 2020, 491, 114445.	4.0	45
23	Layer-by-layer assembled membranes from graphene oxide and polyethyleneimine for ethanol and isopropanol dehydration. <i>Chemical Engineering Science</i> , 2020, 216, 115488.	1.9	42
24	Using genipin as a "green" crosslinker to fabricate chitosan membranes for pervaporative dehydration of isopropanol. <i>Separation and Purification Technology</i> , 2020, 244, 116843.	3.9	28
25	Formation of a thin and continuous MOF membrane with 2-D MOF nanosheets as seeds <i>via</i> layer-by-layer growth. <i>Chemical Communications</i> , 2019, 55, 10146-10149.	2.2	42
26	Polymer-enhanced ultrafiltration: Fundamentals, applications and recent developments. <i>Journal of Membrane Science</i> , 2019, 586, 53-83.	4.1	99
27	Unexpectedly Strong Size-Sieving Ability in Carbonized Polybenzimidazole for Membrane H_2/CO_2 Separation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47365-47372.	4.0	63
28	Dual-Stimuli-Responsive Cross-Linked Graphene Oxide/Poly(vinyl alcohol) Membranes with Anisotropic Liquid Penetration Behaviors. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3413-3421.	2.0	8
29	Experimental and modelling studies of pervaporative removal of odorous diacetyl and S-methylthiobutanoate from aqueous solutions using PEBA membrane. <i>Separation and Purification Technology</i> , 2018, 200, 1-10.	3.9	11
30	Model fitting of sorption kinetics data: Misapplications overlooked and their rectifications. <i>AIChE Journal</i> , 2018, 64, 1793-1805.	1.8	11
31	Pervaporative desalination of high-salinity water. <i>Chemical Engineering Research and Design</i> , 2018, 136, 154-164.	2.7	49
32	Superlight Adsorbent Sponges Based on Graphene Oxide Cross-Linked with Poly(vinyl alcohol) for Continuous Flow Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21672-21680.	4.0	34
33	Layer-by-layer self-assembled chitosan/PAA nanofiltration membranes. <i>Separation and Purification Technology</i> , 2018, 207, 142-150.	3.9	90
34	Synthesis of Polyurethane Foams Loaded with TiO_2 Nanoparticles and Their Modification for Enhanced Performance in Oil Spill Cleanup. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8918-8926.	1.8	49
35	Regeneration of cobalt complexes by thermal decomposition and acid treatment for NO absorption. <i>Chemical Engineering Journal</i> , 2017, 315, 233-242.	6.6	7
36	Synthesis of hydrophilic acid-resistant Ge-ZSM-5 membranes via secondary growth method using silicalite-1 zeolite as seeds. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 12-16.	1.3	2

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37	Synthesis of lignin-based polyurethane/graphene oxide foam and its application as an absorbent for oil spill clean-ups and recovery. <i>Chemical Engineering Journal</i> , 2017, 323, 191-202.	6.6	172
38	Hydrophobic surface modification of FMSS and its application as effective sorbents for oil spill clean-ups and recovery. <i>AIChE Journal</i> , 2017, 63, 4090-4102.	1.8	15
39	Modification of formaldehyde-melamine-sodium bisulfite copolymer foam and its application as effective sorbents for clean up of oil spills. <i>Chemical Engineering Science</i> , 2017, 160, 384-395.	1.9	53
40	Silk fibroin films for potential applications in controlled release. <i>Reactive and Functional Polymers</i> , 2017, 116, 57-68.	2.0	37
41	Poly(p-phenylene terephthamide) embedded in a polysulfone as the substrate for improving compaction resistance and adhesion of a thin film composite polyamide membrane. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13610-13624.	5.2	63
42	Novel affinity membranes with macrocyclic spacer arms synthesized via click chemistry for lysozyme binding. <i>Journal of Hazardous Materials</i> , 2017, 327, 97-107.	6.5	10
43	Chitosan/sericin blend membranes for adsorption of bovine serum albumin. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 954-960.	0.9	10
44	Preparation of erbium ion-doped TiO ₂ films and the study of their photocatalytic activity under simulated solar light. <i>Journal of Semiconductors</i> , 2017, 38, 113004.	2.0	7
45	Kinetics of the absorption of carbon dioxide into aqueous ammonia solutions. <i>AIChE Journal</i> , 2016, 62, 3673-3684.	1.8	12
46	Improving the performance of TFC membranes via chelation and surface reaction: applications in water desalination. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6620-6629.	5.2	45
47	Modeling SO ₂ absorption into water accompanied with reversible reaction in a hollow fiber membrane contactor. <i>Chemical Engineering Science</i> , 2016, 156, 136-146.	1.9	29
48	Unsteady state cyclic pressure-vacuum swing permeation for low pressure niche gas separation applications. <i>Chemical Engineering Research and Design</i> , 2016, 109, 505-512.	2.7	3
49	Batch process of polymer-enhanced ultrafiltration to recover mercury (II) from wastewater. <i>Journal of Membrane Science</i> , 2016, 514, 229-240.	4.1	25
50	Removal of heavy metals from water using polyvinylamine by polymer-enhanced ultrafiltration and flocculation. <i>Separation and Purification Technology</i> , 2016, 158, 124-136.	3.9	145
51	Use of nanofiltration to reject cobalt (II) from ammoniacal solutions involved in absorption of SO ₂ /NO. <i>Chemical Engineering Science</i> , 2016, 145, 97-107.	1.9	15
52	Thin film composite membranes embedded with graphene oxide for water desalination. <i>Desalination</i> , 2016, 386, 67-76.	4.0	220
53	Modification of membrane surfaces via microswelling for fouling control in drinking water treatment. <i>Journal of Membrane Science</i> , 2015, 475, 488-495.	4.1	41
54	Thermodynamic and mechanistic studies on recovering phenol crystals from dilute aqueous solutions using pervaporation-crystallization coupling (PVCC) system. <i>Chemical Engineering Science</i> , 2015, 127, 106-114.	1.9	18

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55	Thin film composite membranes comprising of polyamide and polydopamine for dehydration of ethylene glycol by pervaporation. <i>Journal of Membrane Science</i> , 2015, 493, 622-635.	4.1	70
56	Membrane gas dehydration in a pressure-electric coupled field. <i>Journal of Membrane Science</i> , 2015, 493, 444-451.	4.1	3
57	Effects of chlorine exposure on nanofiltration performance of polyamide membranes. <i>Journal of Membrane Science</i> , 2015, 487, 256-270.	4.1	40
58	Removal of mercury (II) from wastewater by polyvinylamine-enhanced ultrafiltration. <i>Separation and Purification Technology</i> , 2015, 154, 1-10.	3.9	70
59	Thin film composite nanofiltration membranes fabricated from polymeric amine polyethylenimine imbedded with monomeric amine piperazine for enhanced salt separations. <i>Reactive and Functional Polymers</i> , 2015, 86, 168-183.	2.0	67
60	The synthesis of super-hydrophilic and acid-proof Ge ⁴⁺ -ZSM-5 membranes by simultaneous incorporation of Ge and Al into a Silicalite-1 framework. <i>Journal of Membrane Science</i> , 2014, 468, 202-208.	4.1	14
61	Vacuum membrane distillation for desalination of water using hollow fiber membranes. <i>Journal of Membrane Science</i> , 2014, 455, 131-142.	4.1	92
62	Membrane distillation enhanced by an asymmetric electric field. <i>AIChE Journal</i> , 2014, 60, 2307-2313.	1.8	5
63	Recovering phenol as high purity crystals from dilute aqueous solutions by pervaporation. <i>Chemical Engineering Science</i> , 2014, 108, 183-187.	1.9	15
64	A novel potential-responsive ion exchange film system for heavy metal removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10263-10272.	5.2	117
65	Thin film composite nanofiltration membranes assembled layer-by-layer via interfacial polymerization from polyethylenimine and trimesoyl chloride. <i>Journal of Membrane Science</i> , 2014, 472, 141-153.	4.1	152
66	Thermodynamic functions of metal ²⁺ -sericin complexation in ultrafiltration study. <i>Journal of Membrane Science</i> , 2014, 470, 1-8.	4.1	9
67	Effectiveness of membranes and hybrid membrane processes in comparison with absorption using amines for post-combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2014, 28, 248-256.	2.3	52
68	Metal sericin complexation and ultrafiltration of heavy metals from aqueous solution. <i>Chemical Engineering Journal</i> , 2014, 244, 446-456.	6.6	53
69	Pressure ² -vacuum swing permeation: A novel process mode for membrane separation of gases. <i>Separation and Purification Technology</i> , 2014, 125, 301-310.	3.9	8
70	Improving the stability of layer-by-layer self-assembled membranes for dehydration of alcohol and diol. <i>Journal of Membrane Science</i> , 2013, 444, 22-31.	4.1	40
71	A sol ² -gel dip/spin coating method to prepare titanium oxide films. <i>Thin Solid Films</i> , 2013, 548, 34-39.	0.8	43
72	Preparation and characterization of poly(tetrafluoroethylene ² -cohexafluoropropylene) (FEP) hollow fiber membranes for desalination. <i>Desalination and Water Treatment</i> , 2013, 51, 3948-3953.	1.0	5

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73	Micellar Enhanced Ultrafiltration of Organic Dyes. Separation Science and Technology, 2013, 48, 1315-1323.	1.3	13
74	Analysis of permeate pressure build-up effects on separation performance of asymmetric hollow fiber membranes. Chemical Engineering Science, 2013, 104, 849-856.	1.9	8
75	A study of thermodynamics and kinetics pertinent to formation of PVDF membranes by phase inversion. Desalination, 2013, 309, 156-164.	4.0	57
76	Modelling of multicomponent gas separation with asymmetric hollow fibre membranes—methane enrichment from biogas. Canadian Journal of Chemical Engineering, 2013, 91, 1092-1102.	0.9	17
77	Development of an antibacterial copper (II)-chelated polyacrylonitrile ultrafiltration membrane. Journal of Membrane Science, 2012, 413-414, 62-69.	4.1	74
78	Composite membranes comprising of polyvinylamine-poly(vinyl alcohol) incorporated with carbon nanotubes for dehydration of ethylene glycol by pervaporation. Journal of Membrane Science, 2012, 417-418, 34-44.	4.1	111
79	Simulation of binary gas separation with asymmetric hollow fibre membranes and case studies of air separation. Canadian Journal of Chemical Engineering, 2012, 90, 1253-1268.	0.9	27
80	Surface modification of thin-film-composite polyamide membranes for improved reverse osmosis performance. Journal of Membrane Science, 2011, 370, 116-123.	4.1	79
81	Separation of carbon dioxide from nitrogen using diethanolamine-impregnated poly(vinyl alcohol) membranes. Separation and Purification Technology, 2010, 71, 205-213.	3.9	43
82	Thin-film-composite membranes comprising of self-assembled polyelectrolytes for separation of water from ethylene glycol by pervaporation. Journal of Membrane Science, 2010, 352, 197-204.	4.1	35
83	A study of gas transport through interfacially formed poly(N,N-dimethylaminoethyl methacrylate) membranes. Chemical Engineering Journal, 2010, 156, 33-39.	6.6	24
84	Using poly(N,N-dimethylaminoethyl methacrylate)/polyacrylonitrile composite membranes for gas dehydration and humidification. Chemical Engineering Science, 2010, 65, 4672-4681.	1.9	36
85	An improved approach for determining permeability and diffusivity relevant to controlled release. Chemical Engineering Science, 2010, 65, 5921-5928.	1.9	10
86	Modeling of Esterification in a Batch Reactor Coupled with Pervaporation for Production of n-Butyl Acetate. Chinese Journal of Catalysis, 2010, 31, 999-1005.	6.9	12
87	Separation of VOCs from N ₂ using poly(ether block amide) membranes. Canadian Journal of Chemical Engineering, 2009, 87, 456-465.	0.9	28
88	Substrate resistance in composite membranes for organic vapour/gas separations. Journal of Membrane Science, 2009, 338, 153-160.	4.1	35
89	Use of pervaporation for the separation of phenol from dilute aqueous solutions. Journal of Membrane Science, 2009, 335, 96-102.	4.1	84
90	Pervaporative separation of n-butanol from dilute aqueous solutions using silicalite-filled poly(dimethyl siloxane) membranes. Journal of Membrane Science, 2009, 339, 120-125.	4.1	95

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91	Surface modification of thin film composite polyamide membranes by electrostatic self deposition of polycations for improved fouling resistance. Separation and Purification Technology, 2009, 66, 287-294.	3.9	171
92	Modification of poly(vinylidene fluoride) ultrafiltration membranes with poly(vinyl alcohol) for fouling control in drinking water treatment. Water Research, 2009, 43, 4559-4568.	5.3	192
93	Synthetic 6FDA-ODA copolyimide membranes for gas separation and pervaporation: Correlation of separation properties with diamine monomers. Polymer Engineering and Science, 2008, 48, 795-805.	1.5	12
94	2,2-Bis[4-(3,4-dicarboxyphenoxy) phenyl]propane dianhydride (BPADA)-based polyimide membranes for pervaporation dehydration of isopropanol: Characterization and comparison with 4,4'-(hexafluoroisopropylidene) diphthalic anhydride (6FDA)-based polyimide membranes. Journal of Applied Polymer Science, 2008, 110, 283-296.	1.3	15
95	Gas permeation through water-swollen hydrogel membranes. Journal of Membrane Science, 2008, 310, 66-75.	4.1	104
96	Use of pervaporation to separate butanol from dilute aqueous solutions: Effects of operating conditions and concentration polarization. Journal of Membrane Science, 2008, 323, 428-435.	4.1	129
97	Synthesis and Properties of 6FDA-MDA Copolyimide Membranes: Effects of Diamines and Dianhydrides on Gas Separation and Pervaporation Properties. Macromolecular Chemistry and Physics, 2007, 208, 2665-2676.	1.1	18
98	Interfacially formed poly(N,N-dimethylaminoethyl methacrylate)/polysulfone composite membranes for CO ₂ /N ₂ separation. Journal of Membrane Science, 2007, 290, 19-28.	4.1	51
99	Sericin/poly(vinyl alcohol) blend membranes for pervaporation separation of ethanol/water mixtures. Journal of Membrane Science, 2007, 295, 71-79.	4.1	125
100	Membranes comprising of alkanolamines incorporated into poly(vinyl alcohol) matrix for CO ₂ /N ₂ separation. Journal of Membrane Science, 2007, 303, 54-63.	4.1	87
101	Trimesoyl chloride crosslinked chitosan membranes for CO ₂ /N ₂ separation and pervaporation dehydration of isopropanol. Journal of Membrane Science, 2007, 306, 36-46.	4.1	64
102	Synthetic 6FDA-ODA copolyimide membranes for gas separation and pervaporation: Functional groups and separation properties. Polymer, 2007, 48, 5355-5368.	1.8	58
103	Permselectivity, solubility and diffusivity of propyl propionate/water mixtures in poly(ether block amide) membranes. Journal of Membrane Science, 2007, 306, 36-46.	4.1	33
104	Layer-by-layer self-assembled polyelectrolyte membranes for solvent dehydration by pervaporation. Materials Science and Engineering C, 2007, 27, 612-619.	3.8	39
105	Sorption, diffusion, and permeation of light olefins in poly(ether block amide) membranes. Chemical Engineering Science, 2006, 61, 6142-6153.	1.9	38
106	Preparation and properties of trimesoyl chloride crosslinked poly(vinyl alcohol) membranes for pervaporation dehydration of isopropanol. Journal of Membrane Science, 2006, 286, 245-254.	4.1	85
107	Self-assembled nano-structured polyelectrolyte composite membranes for pervaporation. Materials Science and Engineering C, 2006, 26, 1-8.	3.8	50
108	Poly(N,N-dimethylaminoethyl methacrylate)/polysulfone composite membranes for gas separations. Journal of Membrane Science, 2006, 279, 76-85.	4.1	67

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109	Propylene separation from nitrogen by poly(ether block amide) composite membranes. <i>Journal of Membrane Science</i> , 2006, 279, 645-654.	4.1	56
110	Separation of organic compounds from water by pervaporation in the production of <i>n</i> -butyl acetate via esterification by reactive distillation. <i>Journal of Membrane Science</i> , 2005, 256, 193-201.	4.1	50
111	Separation of acetone- <i>n</i> -butanol-ethanol (ABE) from dilute aqueous solutions by pervaporation. <i>Separation and Purification Technology</i> , 2005, 42, 273-282.	3.9	242
112	CO ₂ /N ₂ Separation by Poly(Ether Block Amide) Thin Film Hollow Fiber Composite Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 6874-6882.	1.8	98
113	Gas Permeation Through Poly(Ether- <i>b</i> -amide) (PEBAX 2533) Block Copolymer Membranes. <i>Separation Science and Technology</i> , 2005, 39, 149-164.	1.3	54
114	A novel method of preparing ultrathin poly(ether block amide) membranes. <i>Journal of Membrane Science</i> , 2004, 235, 43-52.	4.1	66
115	Morphology development and characterization of the phase-separated structure resulting from the thermal-induced phase separation phenomenon in polymer solutions under a temperature gradient. <i>Chemical Engineering Science</i> , 2004, 59, 1491-1504.	1.9	76
116	Separation of dimethyl carbonate/methanol/water mixtures by pervaporation using crosslinked chitosan membranes. <i>Separation and Purification Technology</i> , 2003, 31, 129-140.	3.9	82
117	A Computational Study of the Polymerization-Induced Phase Separation Phenomenon in Polymer Solutions under a Temperature Gradient. <i>Macromolecular Theory and Simulations</i> , 2003, 12, 413-424.	0.6	36
118	Hollow fiber and spiral wound contactors for fluid/particle contact and interaction. <i>Chemical Engineering Communications</i> , 2002, 189, 247-267.	1.5	2
119	A study of silicone rubber/polysulfone composite membranes: correlating H ₂ /N ₂ and O ₂ /N ₂ permselectivities. <i>Separation and Purification Technology</i> , 2002, 27, 211-223.	3.9	33
120	A Computational Study into Thermally Induced Phase Separation in Polymer Solutions under a Temperature Gradient. <i>Macromolecular Theory and Simulations</i> , 2002, 11, 996-1005.	0.6	42
121	Development of hollow fiber membrane systems for nitrogen generation from combustion exhaust gas Part II: Full-scale module test and membrane stability. <i>Journal of Membrane Science</i> , 2002, 202, 195-204.	4.1	5
122	Pervaporation with chitosan membranes: separation of dimethyl carbonate/methanol/water mixtures. <i>Journal of Membrane Science</i> , 2002, 209, 493-508.	4.1	111
123	Pressure swing permeation: Novel process for gas separation by membranes. <i>AIChE Journal</i> , 2000, 46, 724-733.	1.8	18
124	Development of hollow fiber membrane systems for nitrogen generation from combustion exhaust gas. <i>Journal of Membrane Science</i> , 2000, 176, 197-207.	4.1	18
125	Air separation by integrally asymmetric hollow-fiber membranes. <i>AIChE Journal</i> , 1999, 45, 2142-2152.	1.8	48
126	Integrated membrane/adsorption process for gas separation. <i>Chemical Engineering Science</i> , 1998, 53, 1689-1698.	1.9	31

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127	Hollow-fiber-based adsorbents for gas separation by pressure-swing adsorption. <i>AIChE Journal</i> , 1998, 44, 1555-1562.	1.8	21
128	Liquid Separation by Membrane Pervaporation: A Review. <i>Industrial & Engineering Chemistry Research</i> , 1997, 36, 1048-1066.	1.8	741
129	Studies of a membrane reactor: Esterification facilitated by pervaporation. <i>Chemical Engineering Science</i> , 1996, 51, 4673-4679.	1.9	72
130	Preparation and performance of asymmetric polyetherimide membranes for isopropanol dehydration by pervaporation. <i>Journal of Membrane Science</i> , 1996, 109, 165-172.	4.1	71
131	Estimation of activation energy for permeation in pervaporation processes. <i>Journal of Membrane Science</i> , 1996, 118, 127-131.	4.1	271
132	Studies on solvent evaporation and polymer precipitation pertinent to the formation of asymmetric polyetherimide membranes. <i>Journal of Applied Polymer Science</i> , 1995, 57, 613-621.	1.3	30
133	Permeate pressure build-up in shellside-fed hollow fiber pervaporation membranes. <i>Canadian Journal of Chemical Engineering</i> , 1995, 73, 833-843.	0.9	14
134	Concentration polarization in pervaporation separation processes. <i>Journal of Membrane Science</i> , 1994, 92, 201-208.	4.1	64
135	Resistance model approach to asymmetric polyetherimide membranes for pervaporation of isopropanol/water mixtures. <i>Journal of Membrane Science</i> , 1993, 84, 15-27.	4.1	46
136	Separation of volatile organic compound/nitrogen mixtures by polymeric membranes. <i>Industrial & Engineering Chemistry Research</i> , 1993, 32, 533-539.	1.8	32
137	Dehydration of Isopropanol by Pervaporation Using Aromatic Polyetherimide Membranes. <i>Separation Science and Technology</i> , 1993, 28, 2035-2048.	1.3	69
138	Organic Vapor/Gas Mixture Separation by Membrane—A Parametric Study. <i>Separation Science and Technology</i> , 1992, 27, 2109-2119.	1.3	4
139	Pervaporation of Water/Ethanol Mixtures by an Aromatic Polyetherimide Membrane. <i>Separation Science and Technology</i> , 1992, 27, 1583-1597.	1.3	33
140	Separation of isopropanol from water by pervaporation using silicone-based membranes. <i>Journal of Membrane Science</i> , 1992, 74, 171-181.	4.1	36
141	Separation of organic vapor from air by aromatic polyimide membranes. <i>Journal of Applied Polymer Science</i> , 1991, 43, 1071-1079.	1.3	30
142	Measuring the permeabilities of binary gas mixtures with a novel time-lag technique. <i>Canadian Journal of Chemical Engineering</i> , 0, , .	0.9	1