Jiding Li

List of Publications by Year in descending order

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111	3,581	136740	155451
papers	citations	32 h-index	55 g-index

111	111	111	3112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Green ligninâ€based polyester nanofiltration membranes with ethanol and chlorine resistance. Journal of Applied Polymer Science, 2022, 139, 51427.	1.3	11
2	PVA-Based MMMs for Ethanol Dehydration via Pervaporation: A Comparison Study between Graphene and Graphene Oxide. Separations, 2022, 9, 26.	1.1	8
3	n-Octyltrichlorosilane Modified SAPO-34/PDMS Mixed Matrix Membranes for Propane/Nitrogen Mixture Separation. Separations, 2022, 9, 64.	1.1	6
4	Breakthroughs on tailoring membrane materials for ethanol recovery by pervaporation. Chinese Journal of Chemical Engineering, 2022, 52, 19-36.	1.7	3
5	Study of the Dissolution and Diffusion of Propane, Propylene and Nitrogen in Polydimethylsiloxane Membranes with Molecular Dynamics Simulation and Monte Carlo Simulation. Separations, 2022, 9, 116.	1.1	6
6	Fabrication of carbon nanotubes-modified poly(ethyleneimine)/sodium lignosulfonate membranes for improved selectivity performance and antifouling capability in forward osmosis process. Journal of Materials Science, 2021, 56, 15499-15511.	1.7	5
7	Bio-inspired Fabrication of Anti-fouling and Stability of Nanofiltration Membranes with a Poly(dopamine)/Graphene Oxide Interlayer. Industrial & Engineering Chemistry Research, 2021, 60, 14868-14883.	1.8	20
8	Fabrication and Performance of Novel Poly(piperazine-amide) Composite Nanofiltration Membranes Based on Various Poly(m-phenylene isophthalamide) Substrates. Industrial & Engineering Chemistry Research, 2021, 60, 18106-18120.	1.8	3
9	Exploiting Giant-Pore Systems of Nanosized MIL-101 in PDMS Matrix for Facilitated Reverse-Selective Hydrocarbon Transport. ACS Applied Materials & Interfaces, 2020, 12, 1511-1522.	4.0	5
10	Humic Acid Removal from Water with PAC-Al₃₀: Effect of Calcium and Kaolin and the Action Mechanisms. ACS Omega, 2020, 5, 16413-16420.	1.6	16
11	Poly(vinyl alcohol)-Modified Membranes by Ti₃C₂T_x for Ethanol Dehydration via Pervaporation. ACS Omega, 2020, 5, 6277-6287.	1.6	32
12	High-poly-aluminum chloride sulfate coagulants and their coagulation performances for removal of humic acid. RSC Advances, 2020, 10, 7155-7162.	1.7	13
13	Improved Desulfurization Performance of Polyethyleneglycol Membrane by Incorporating Metal Organic Framework CuBTC. Polymers, 2020, 12, 414.	2.0	18
14	Preparation of graphene oxide/poly(vinyl alcohol) composite membrane and pervaporation performance for ethanol dehydration. RSC Advances, 2019, 9, 15457-15465.	1.7	33
15	Improved desulfurization performance of polydimethylsiloxane membrane by incorporating metal organic framework CPO-27-Ni. Separation and Purification Technology, 2019, 217, 86-94.	3.9	26
16	Enhanced pervaporation performance of PDMS membranes based on nano-sized Octa[(trimethoxysilyl)ethyl]-POSS as macro-crosslinker. Applied Surface Science, 2019, 473, 785-798.	3.1	38
17	Preparation of SGO-modified nanofiltration membrane and its application in SO42â^' and Clâ^' separation in salt treatment. Journal of Environmental Sciences, 2019, 78, 183-192.	3.2	10
18	A water-based mixing process for fabricating ZIF-8/PEG mixed matrix membranes with efficient desulfurization performance. Separation and Purification Technology, 2019, 214, 61-66.	3.9	30

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19	Performance of a pervaporation system for the separation of an ethanol-water mixture using fractional condensation. Water Science and Technology, 2018, 77, 1861-1869.	1.2	6
20	Chitosanâ€Functionalized Graphene Oxide for Enhanced Permeability and Antifouling of Ultrafiltration Membranes. Chemical Engineering and Technology, 2018, 41, 270-277.	0.9	25
21	Fabrication of novel ZIFâ€67 Composite Microspheres for Effective Adsorption and Solidâ€phase Extraction of Dyes from Water. ChemistrySelect, 2018, 3, 5833-5842.	0.7	17
22	Novel poly(piperazine-amide) (PA) nanofiltration membrane based poly(m-phenylene isophthalamide) (PMIA) hollow fiber substrate for treatment of dye solutions. Chemical Engineering Journal, 2018, 351, 1013-1026.	6.6	81
23	Highly stable PDMSâ€“PTFPMS/PVDF OSN membranes for hexane recovery during vegetable oil production. RSC Advances, 2017, 7, 11381-11388.	1.7	28
24	Molecular dynamics insights into the structural and diffusive properties of ZIF-8/PDMS mixed matrix membranes in the n-butanol/water pervaporation process. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 035002.	0.8	8
25	AF2400/PTFE composite membrane for hexane recovery during vegetable oil production. Separation and Purification Technology, 2017, 181, 223-229.	3.9	29
26	Direct observation of flow and bubble behavior in flat sheet modules with a distributor. RSC Advances, 2017, 7, 19050-19059.	1.7	2
27	Drinking water treatment using a submerged internal-circulation membrane coagulation reactor coupled with permanganate oxidation. Journal of Environmental Sciences, 2017, 56, 153-163.	3.2	4
28	Development of High-Antifouling PPSU Ultrafiltration Membrane by Using Compound Additives: Preparation, Morphologies, and Filtration Resistant Properties. Membranes, 2016, 6, 35.	1.4	13
29	TS-1 molecular sieves filled polydimethylsiloxane membranes for ethanol/water separation via pervaporation. Polymer Engineering and Science, 2016, 56, 583-589.	1.5	17
30	Surface modification route to prepare novel polyamide@NH₂_MIL-88B nanocomposite membranes for water treatment. RSC Advances, 2016, 6, 71250-71261.	1.7	29
31	Graphene oxide polypiperazine-amide nanofiltration membrane for improving flux and anti-fouling in water purification. RSC Advances, 2016, 6, 82174-82185.	1.7	66
32	A modified UNIFAC-ZM model and phase equilibrium prediction of silicone polymers with ABE solution. RSC Advances, 2016, 6, 53643-53650.	1.7	1
33	Modified <scp>ZSM</scp>â€5/polydimethylsiloxane mixed matrix membranes for ethanol/water separation via pervaporation. Polymer Composites, 2016, 37, 1282-1291.	2.3	29
34	Principles and performance of a submerged internal-circulation membrane coagulation reactor. Desalination and Water Treatment, 2016, 57, 14787-14797.	1.0	6
35	ZIF-7/PDMS mixed matrix membranes for pervaporation recovery of butanol from aqueous solution. Separation and Purification Technology, 2016, 163, 39-47.	3.9	99
36	A facile approach to construct hierarchical dense membranes via polydopamine for enhanced propylene/nitrogen separation. Journal of Membrane Science, 2016, 499, 290-300.	4.1	35

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37	Pilot-scale integrated membrane system for the treatment of acrylonitrile wastewater. Desalination, 2015, 357, 215-224.	4.0	17
38	The influence of dispersed phases on polyamide/ZIF-8 nanofiltration membranes for dye removal from water. RSC Advances, 2015, 5, 50942-50954.	1.7	116
39	Preparation and characterization of ZSM-5/PDMS hybrid pervaporation membranes: Laboratory results and pilot-scale performance. Separation and Purification Technology, 2015, 150, 257-267.	3.9	24
40	Measurement of solubility thermodynamic and diffusion kinetic characteristic of solvents in PDMS by inverse gas chromatography. European Polymer Journal, 2015, 73, 259-267.	2.6	13
41	Layer-by-Layer Fabrication of High-Performance Polyamide/ZIF-8 Nanocomposite Membrane for Nanofiltration Applications. ACS Applied Materials & Interfaces, 2015, 7, 24082-24093.	4.0	205
42	ZIF-8/PDMS mixed matrix membranes for propane/nitrogen mixture separation: Experimental result and permeation model validation. Journal of Membrane Science, 2015, 474, 103-113.	4.1	140
43	Coagulation pretreatment of highly concentrated acrylonitrile wastewater from petrochemical plants. Water Science and Technology, 2014, 70, 345-351.	1.2	10
44	Direct observation of single- and two-phase flows in spacer filled membrane modules. Separation and Purification Technology, 2014, 125, 275-283.	3.9	7
45	Improved thiophene solution selectivity by Cu2+, Pb2+ and Mn2+ ions in pervaporative poly[bis(p-methyl phenyl) phosphazene]desulfurization membrane. Journal of Membrane Science, 2014, 454, 463-469.	4.1	36
46	Modified MCMâ€41 silica spheres filled polydimethylsiloxane membrane for dimethylcarbonate/methanol separation via pervaporation. Journal of Applied Polymer Science, 2013, 127, 4662-4671.	1.3	21
47	Enhancing FCC gasoline desulfurization performance in a polyphosphazene pervaporative membrane. Separation and Purification Technology, 2013, 109, 48-54.	3.9	22
48	Poly[bis(p-methyl phenyl) phosphazene] Pervaporative Membranes for Separating Organosulfur Compounds from n-Heptane and Its Surface Functionalization. Industrial & Engineering Chemistry Research, 2013, 52, 13801-13809.	1.8	22
49	Preparation and characterization of PEG/PVDF composite membranes and effects of solvents on its pervaporation performance in heptane desulfurization. Desalination and Water Treatment, 2012, 46, 321-331.	1.0	8
50	Polyphosphazene membranes with phenoxyls for enhanced desulfurization. RSC Advances, 2012, 2, 11432.	1.7	17
51	Mixed matrix membranes with HF acid etched ZSM-5 for ethanol/water separation: Preparation and pervaporation performance. Applied Surface Science, 2012, 259, 547-556.	3.1	84
52	Preparation of modified mesoporous MCM-41 silica spheres and its application in pervaporation. Powder Technology, 2012, 231, 63-69.	2.1	33
53	Vapor-liquid equilibrium properties for confined binary mixtures involving CO2, CH4, and N2 from Gibbs ensemble Monte Carlo simulations. Science China Chemistry, 2012, 55, 1825-1831.	4.2	19
54	Polyphosphazene membrane for desulfurization: Selecting poly[bis(trifluoroethoxy) phosphazene] for pervaporative removal of thiophene. Separation and Purification Technology, 2012, 93, 15-24.	3.9	34

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55	Formation kinetics and characterization of polyphthalazinone ether ketone hollow fiber ultrafiltration membranes. Journal of Membrane Science, 2012, 389, 416-423.	4.1	15
56	Solution and diffusion properties of cyclohexane, cyclohexanol, and cyclohexanone in poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.3	11
57	Tuning the hydrophobicity of ZSM-5 zeolites by surface silanization using alkyltrichlorosilane. Applied Surface Science, 2011, 257, 9525-9531.	3.1	58
58	Hydrophobic nano-silica/polydimethylsiloxane membrane for dimethylcarbonateâ€“methanol separation via pervaporation. Chemical Engineering Journal, 2011, 171, 1035-1044.	6.6	49
59	Preparation and membrane separation performances of quarternized ammonium cationic polyvinyl alcohol. Journal of Applied Polymer Science, 2011, 119, 2584-2594.	1.3	8
60	Separation of ethanol from ethanol/water mixtures by pervaporation with silicone rubber membranes: Effect of silicone rubbers. Journal of Applied Polymer Science, 2011, 119, 3413-3421.	1.3	33
61	Separation of Azeotropic Dimethylcarbonate/Methanol Mixtures by Pervaporation: Sorption and Diffusion Behaviors in the Pure and Nano Silica Filled PDMS Membranes. Separation Science and Technology, 2011, 46, 1396-1405.	1.3	27
62	Fabrication of polyimide composite film with both magnetic and surface conductive properties. Desalination and Water Treatment, 2011, 34, 344-348.	1.0	2
63	Pervaporation Separation of Thiopheneâ€“Heptane Mixtures with Polydimethylsiloxane (PDMS) Membrane for Desulfurization. Applied Biochemistry and Biotechnology, 2010, 160, 486-497.	1.4	26
64	Enhanced Pervaporation Performance of Multi-layer PDMS/PVDF Composite Membrane for Ethanol Recovery from Aqueous Solution. Applied Biochemistry and Biotechnology, 2010, 160, 632-642.	1.4	45
65	Effect of PEG additives on properties and morphologies of polyetherimide membranes prepared by phase inversion. Frontiers of Chemical Engineering in China, 2010, 4, 300-306.	0.6	29
66	Liquefied petroleum gas desulfurization by HTBN/PAN composite membrane. Journal of Applied Polymer Science, 2010, 117, 2472-2479.	1.3	2
67	A Modified Solution-Diffusion Model and Its Application in the Pervaporation Separation of Benzene/Cyclohexane Mixtures in PDMS Membrane. Journal of Chemical Engineering of Japan, 2009, 42, 640-647.	0.3	2
68	Separation of Sulfur/Gasoline Mixture with Polydimethylsiloxane/Polyetherimide Composite Membranes by Pervaporation. Chinese Journal of Chemical Engineering, 2009, 17, 707-710.	1.7	15
69	Pervaporation separation of nâ€heptane/organosulfur mixtures with PDMS membrane: Experimental and modelling. Canadian Journal of Chemical Engineering, 2009, 87, 547-553.	0.9	9
70	Pervaporation performance of polydimethylsiloxane membranes for separation of benzene/cyclohexane mixtures. Journal of Applied Polymer Science, 2009, 112, 2425-2433.	1.3	19
71	Effect of ethylene glycol monobutyl ether on skin layer formation kinetics of asymmetric membranes. Journal of Applied Polymer Science, 2009, 113, 2392-2396.	1.3	2
72	Pervaporation separation of ethyl thioether/heptane mixtures by polyethylene glycol membranes. Separation and Purification Technology, 2009, 66, 606-612.	3.9	25

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73	Crosslinked poly(vinyl alcohol) membranes for separation of dimethyl carbonate/methanol mixtures by pervaporation. Chemical Engineering Journal, 2009, 146, 71-78.	6.6	61
74	Poly (phthalazinone ether sulfone ketone) properties and their effect on the membrane morphology and performance. Desalination and Water Treatment, 2009, 11, 157-166.	1.0	10
75	Pervaporation performance of crosslinked polydimethylsiloxane membranes for deep desulfurization of FCC gasoline. Journal of Membrane Science, 2008, 322, 113-121.	4.1	57
76	Performance control of asymmetric poly(phthalazinone ether sulfone ketone) ultrafiltration membrane using gelation. Korean Journal of Chemical Engineering, 2008, 25, 1407-1415.	1.2	2
77	Effects of operation conditions, solvent and gelation bath on morphology and performance of PPESK asymmetric ultrafiltration membrane. Journal of Applied Polymer Science, 2008, 108, 3662-3669.	1.3	3
78	A modified solutionâ€diffusion model and its application in the pervaporation separation of alkane/thiophenes mixtures with PDMS membrane. Journal of Applied Polymer Science, 2008, 110, 3140-3148.	1.3	10
79	Pervaporation separation of n-heptane/sulfur species mixtures with polydimethylsiloxane membranes. Separation and Purification Technology, 2008, 63, 220-225.	3.9	38
80	Synthesis of Polyimides Containing Fluorine and Their Pervaporation Performances to Aromatic/Aliphatic Hydrocarbon Mixtures. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 172-178.	1.2	25
81	Preparation and Pervaporation Performances of PEAâ€based Polyurethaneurea and Polyurethaneimide Membranes to Benzene/Cyclohexane Mixture. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 563-571.	1.2	12
82	Preparation and Characterization of PVDFâ€HFP Membrane. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 449-455.	1.2	5
83	Sorption and Diffusion Characteristics of Water Vapor in Dense Polyimide Membranes. Journal of Chemical & Engineering Data, 2007, 52, 2146-2152.	1.0	7
84	PVDF Membrane Formation via Thermally Induced Phase Separation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 99-104.	1.2	79
85	Reply to Comments by J. RomÃ¡n GaldÃ¡mez on J. Chem. Eng. Data 2007, 52, 368â"372. Journal of Chemical & Engineering Data, 2007, 52, 2096-2097.	1.0	0
86	Preparation of PVDF Membranes via TIPS Method: The Effect of Mixed Diluents on Membrane Structure and Mechanical Property. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 305-313.	1.2	43
87	Measurement of the Infinite Dilute Activity Coefficients and Diffusion Coefficients of Water and Straight Chain Alcohols in Cross-Linked Polyvinyl Alcohol by Inverse Gas Chromatography. Journal of Chemical & Engineering Data, 2007, 52, 368-372.	1.0	7
88	Effect of molecular structures on polyimide properties: Comparison between estimations and experiments. Journal of Applied Polymer Science, 2007, 103, 998-1003.	1.3	8
89	Removing thiophenes from n-octane using PDMSâ€"AgY zeolite mixed matrix membranes. Journal of Membrane Science, 2007, 295, 114-120.	4.1	64
90	Separation of dimethyl carbonate/methanol mixtures by pervaporation with poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (ac	4.1	80

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91	Pervaporative desulfurization of model gasoline with Ag2O-filled PDMS membranes. Separation and Purification Technology, 2007, 57, 170-175.	3.9	42
92	A study on membrane morphology by digital image processing. Journal of Membrane Science, 2007, 305, 93-102.	4.1	61
93	Synthesis and Characterization of Soluble Polyimides Derived from 4,4â€²â€Diaminoâ€3,3â€²â€dimethyldiphenylmethane and Their Pervaporation Performances. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 305-314.	1.2	8
94	Dynamic Sorption and Anomalous Diffusion of Small Molecules in Dense Polyimide Membranes. Journal of Chemical & Engineering Data, 2006, 51, 2016-2021.	1.0	4
95	Measurement of the infinite dilution diffusion coefficients of small molecule solvents in silicone rubber by inverse gas chromatography. European Polymer Journal, 2006, 42, 615-624.	2.6	31
96	Synthesis and characterization of fluorinated polyimides for pervaporation of n-heptane/thiophene mixtures. European Polymer Journal, 2006, 42, 1266-1272.	2.6	60
97	Removal of thiophenes from n-octane/thiophene mixtures by pervaporation. Journal of Membrane Science, 2006, 269, 94-100.	4.1	62
98	Preparation, morphologies and properties for flat sheet PPESK ultrafiltration membranes. Journal of Membrane Science, 2006, 270, 146-153.	4.1	15
99	Sulfur removal from gasoline by pervaporation: The effect of hydrocarbon species. Separation and Purification Technology, 2006, 51, 258-264.	3.9	36
100	Preparation of poly(phthalazinone ether sulfone ketone) asymmetric ultrafiltration membrane. Journal of Membrane Science, 2006, 268, 181-188.	4.1	26
101	Pervaporation separation of alkane/thiophene mixtures with PDMS membrane. Journal of Membrane Science, 2006, 280, 545-552.	4.1	105
102	Determination of the infinite dilution diffusion and activity coefficients of alkanes in polypropylene by inverse gas chromatography. Journal of Applied Polymer Science, 2006, 101, 1925-1930.	1.3	8
103	Dynamic sorption and transport of water vapor in dense polyimide membranes. Journal of Applied Polymer Science, 2006, 102, 2189-2198.	1.3	1
104	Prediction of Activities of Small Molecules in Polymer Membrane Materials Using the Group Contribution Equation of State. Journal of Chemical Engineering of Japan, 2006, 39, 1145-1153.	0.3	0
105	Nanofiltration membrane prepared from polyacrylonitrile ultrafiltration membrane by low-temperature plasmaâ˜†2. Grafting of styrene in vapor phase. Journal of Membrane Science, 2005, 251, 239-245.	4.1	45
106	Nanofiltration membrane prepared from polyacrylonitrile ultrafiltration membrane by low-temperature plasma: 4. grafting of N-vinylpyrrolidone in aqueous solution. Desalination, 2005, 184, 37-44.	4.0	41
107	Nanofiltration membrane prepared from polyacrylonitrile ultrafiltration membrane by low-temperature plasma. Journal of Membrane Science, 2004, 232, 1-8.	4.1	101
108	Study on nanofiltration for purifying fructo-oligosaccharides. Journal of Membrane Science, 2004, 245, 123-129.	4.1	79

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109	Laboratory and pilot-scale study on dehydration of benzene by pervaporation. Journal of Membrane Science, 2002, 203, 127-136.	4.1	42
110	Vaporâ€“liquid equilibrium data and their correlation for binary systems consisting of ethanol, 2-propanol, 1,2-ethanediol and methyl benzoate. Fluid Phase Equilibria, 2000, 169, 75-84.	1.4	16
111	A Modified UNIFAC (Dortmund) Model. 3. Revision and Extension. Industrial & Engineering Chemistry Research, 1998, 37, 4876-4882.	1.8	304