Yiming Cao

List of Publications by Year
in descending order

31 papers	532 citations	759190 12 h-index	677123 22 g-index
31 all docs	31 docs citations	31 times ranked	800 citing authors

#	Article	IF	Citations
1	Performance enhancement of nanofiltration membranes via surface modification with a novel acylation reagent. Journal of Applied Polymer Science, 2021, 138, 50315.	2.6	2
2	Finely tuned polyamide structure with green plasticizers to construct ultrafast water channels for effective desalination. Science of the Total Environment, 2021, 784, 147089.	8.0	6
3	Process intensification in carbonylation of formaldehyde with active and passive enhancement methods. Journal of Flow Chemistry, 2020, 10, 605-613.	1.9	7
4	Discussion on Water Condensation in Membrane Pores during CO2 Absorption at High Temperature. Membranes, 2020, 10, 407.	3.0	3
5	Gas transport properties of polyimide membranes bearing phenyl pendant group. High Performance Polymers, 2018, 30, 161-171.	1.8	7
6	Gas transport properties of polyimide membranes based on triphenylamine unit. High Performance Polymers, 2018, 30, 100-108.	1.8	5
7	Enhancing CO₂ absorption efficiency using a novel PTFE hollow fiber membrane contactor at elevated pressure. AICHE Journal, 2018, 64, 2135-2145.	3.6	18
8	Gasâ€permeation performance of metal organic framework/polyimide mixedâ€matrix membranes and additional explanation from the particle size angle. Journal of Applied Polymer Science, 2018, 135, 45728.	2.6	11
9	Sintering process investigation during polytetrafluoroethylene hollow fibre membrane fabrication by extrusion method. High Performance Polymers, 2017, 29, 1069-1082.	1.8	12
10	Polydimethylsiloxane/postmodified MILâ€53 composite layer coated on asymmetric hollow fiber membrane for improving gas separation performance. Journal of Applied Polymer Science, 2017, 134, .	2.6	7
11	Fabrication of Functionalized MOFs Incorporated Mixed Matrix Hollow Fiber Membrane for Gas Separation. Journal of Chemistry, 2017, 2017, 1-9.	1.9	12
12	Effect of Stretching Parameters on Structure and Properties of Polytetrafluoroethylene Hollowâ€Fiber Membranes. Chemical Engineering and Technology, 2016, 39, 935-944.	1.5	16
13	Effect of MIL-53 on phase inversion and gas separation performance of mixed matrix hollow fiber membranes. RSC Advances, 2016, 6, 69124-69134.	3.6	38
14	Improved Interfacial Affinity and CO₂ Separation Performance of Asymmetric Mixed Matrix Membranes by Incorporating Postmodified MIL-53(Al). ACS Applied Materials & Interfaces, 2016, 8, 22696-22704.	8.0	115
15	Thin film composite forward osmosis membranes with poly(2â€hydroxyethyl methacrylate) grafted nanoâ€TiO₂ as additive in substrate. Journal of Applied Polymer Science, 2016, 133, .	2.6	21
16	Preparation and characterization of a composite nanofiltration membrane interfacially polymerized from cis,cisâ€1,3,5â€triaminocyclohexane and trimesoyl chloride. Journal of Applied Polymer Science, 2016, 133, .	2.6	5
17	Enhancing the antifouling properties of polysulfone ultrafiltration membranes by the grafting of poly(ethylene glycol) derivatives via surface amidation reactions. Journal of Applied Polymer Science, 2015, 132, .	2.6	5
18	The preparation and gas separation properties of zeolite/carbon hybrid membranes. Journal of Materials Science, 2015, 50, 2561-2570.	3.7	19

#	Article	IF	Citations
19	Dielectric and gas transport properties of the films of thermally stable poly(arylene ether ketone)s containing contentâ€tunable benzimidazole moiety. Journal of Applied Polymer Science, 2015, 132, .	2.6	7
20	Enhanced gas separation properties of metal organic frameworks/polyetherimide mixed matrix membranes. Journal of Applied Polymer Science, 2014, 131, .	2.6	18
21	Gas permeation properties of poly(2,5â€benzimidazole) derivative membranes. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
22	Surface modification of polyamide nanofiltration membrane by grafting zwitterionic polymers to improve the antifouling property. Journal of Applied Polymer Science, 2014, 131, .	2.6	41
23	Fabrication of an Asymmetric 4,4â€²-Oxydiphthalic Anhydrideâ€“2,4,6-Trimethyl-1,3-phenylenediamine/2,6-Diaminotoluene Copolyimide Hollow Fiber Membrane and Its Performance for CO₂ Separation. Industrial & Engineering Chemistry Research, 2014, 53, 4442-4452.	3.7	7
24	Tethering methoxy polyethylene glycols to improve the antifouling property of PSF/PAAâ€blended membranes. Journal of Applied Polymer Science, 2012, 124, E123.	2.6	11
25	Preparation of asymmetric chitosan hollow fiber membrane and its pervaporation performance for dimethyl carbonate/methanol mixtures. Journal of Applied Polymer Science, 2010, 115, 2875-2882.	2.6	9
26	Synthesis, characterization, and gas permeation properties of 6FDA-2,6-DAT/mPDA copolyimides. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 215-221.	0.4	12
27	Effects of carbonization conditions on the properties of coal-based microfiltration carbon membranes. Journal of Porous Materials, 2008, 15, 1-6.	2.6	34
28	The gas permeation properties of 6FDA-2, 4, 6-trimethyl-1, 3-phenylenediamine (TMPDA)/1, 3-phenylenediamine (mPDA) copolyimides. Polymer Bulletin, 2008, 60, 137-147.	3.3	21
29	Preparation of novel ZSMâ€5 zeoliteâ€filled chitosan membranes for pervaporation separation of dimethyl carbonate/methanol mixtures. Journal of Applied Polymer Science, 2007, 106, 2117-2125.	2.6	32
30	Gas permeation performance of cellulose hollow fiber membranes made from the cellulose/N-methylmorpholine-N-oxide/H2O system. Journal of Applied Polymer Science, 2004, 91, 1873-1880.	2.6	25
31	Study on twoâ€stage stretching strategy for microstructure improvement of polytetrafluoroethylene hollow fiber membrane. Journal of Applied Polymer Science, 0, , 52216.	2.6	1