

Yichang

List of Publications by Year in descending order

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55
papers

6,318
citations

117625

34
h-index

161849

54
g-index

55
all docs

55
docs citations

55
times ranked

6928
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly steam-stable CHA-type zeolite imidazole framework ZIF-302 membrane for hydrogen separation. Separation and Purification Technology, 2022, 281, 119875.	7.9	11
2	High-performance ZIF-302 mixed-matrix membranes for efficient CO ₂ capture. Korean Journal of Chemical Engineering, 2022, 39, 1020-1027.	2.7	8
3	Highly durable ZIF-8 tubular membranes via precursor-assisted processing for propylene/propane separation. Journal of Membrane Science, 2022, 660, 120813.	8.2	10
4	Improved propylene/propane separation performance under high temperature and pressures on in-situ ligand-doped ZIF-8 membranes. Journal of Membrane Science, 2021, 617, 118655.	8.2	35
5	Improved dispersion performance and interfacial compatibility of covalent-grafted MOFs in mixed-matrix membranes for gas separation. Green Chemical Engineering, 2021, 2, 86-95.	6.3	15
6	Improved C ₃ H ₆ /C ₃ H ₈ separation performance on ZIF-8 membranes through enhancing PDMS contact-dependent confinement effect. Journal of Membrane Science, 2021, 636, 119613.	8.2	17
7	Polycrystalline metal-organic framework (MOF) membranes for molecular separations: Engineering prospects and challenges. Journal of Membrane Science, 2021, 640, 119802.	8.2	48
8	Improved CO ₂ / CH ₄ separation performance of mixed-matrix membrane by adding ZIF-7 nanocrystals. Journal of Applied Polymer Science, 2021, 138, 50424.	2.6	13
9	Synthesis of tubular ZIF-8 membranes for propylene/propane separation under high-pressure. Journal of Membrane Science, 2020, 595, 117503.	8.2	41
10	Locking of phase transition in MOF ZIF-7: improved selectivity in mixed-matrix membranes for O ₂ / N ₂ separation. Materials Horizons, 2020, 7, 223-228.	12.2	21
11	Membrane-Based Olefin/Paraffin Separations. Advanced Science, 2020, 7, 2001398.	11.2	105
12	Metal-organic framework nanosheets: An emerging family of multifunctional 2D materials. Coordination Chemistry Reviews, 2019, 395, 25-45.	18.8	184
13	Rational matching between MOFs and polymers in mixed matrix membranes for propylene/propane separation. Chemical Engineering Science, 2019, 204, 151-160.	3.8	49
14	Enhanced C ₃ H ₆ /C ₃ H ₈ separation performance in poly(vinyl acetate) membrane blended with ZIF-8 nanocrystals. Chemical Engineering Science, 2018, 179, 1-12.	3.8	66
15	Mesoporous Zirconium Phosphonate Hybrid Bentonite as a Novel Efficient Catalyst for the Removal of Trace Olefins from Aromatics. Russian Journal of Applied Chemistry, 2018, 91, 758-763.	0.5	2
16	Enhanced Uptake of Iodide from Solutions by Hollow Cu-Based Adsorbents. Materials, 2018, 11, 769.	2.9	13
17	Synthesis and properties of magnetic zeolite with good magnetic stability from fly ash. Journal of Sol-Gel Science and Technology, 2018, 87, 408-418.	2.4	12
18	Improved H ₂ /CO ₂ separation performance on mixed-linker ZIF-7 polycrystalline membranes. Chemical Engineering Science, 2018, 192, 85-93.	3.8	43

#	ARTICLE	IF	CITATIONS
19	Metal-organic framework adsorbents and membranes for separation applications. <i>Current Opinion in Chemical Engineering</i> , 2018, 20, 122-131.	7.8	77
20	Morphological Map of ZIF-8 Crystals with Five Distinctive Shapes: Feature of Filler in Mixed-Matrix Membranes on C ₃ H ₆ /C ₃ H ₈ Separation. <i>Chemistry of Materials</i> , 2018, 30, 3467-3473.	6.7	94
21	Enhanced CO ₂ /CH ₄ separation performance of mixed-matrix membranes through dispersion of sorption-selective MOF nanocrystals. <i>Journal of Membrane Science</i> , 2018, 563, 360-370.	8.2	82
22	Unravelling surface and interfacial structures of a metal-organic framework by transmission electron microscopy. <i>Nature Materials</i> , 2017, 16, 532-536.	27.5	306
23	From Discrete Molecular Cages to a Network of Cages Exhibiting Enhanced CO ₂ Adsorption Capacity. <i>Angewandte Chemie</i> , 2017, 129, 7895-7899.	2.0	24
24	From Discrete Molecular Cages to a Network of Cages Exhibiting Enhanced CO ₂ Adsorption Capacity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7787-7791.	13.8	66
25	Self-assembly of fibrous ZSM-5 zeolites in the presence of sodium alginate. <i>Particuology</i> , 2017, 33, 55-62.	3.6	7
26	Amino-Functionalized ZIF-7 Nanocrystals: Improved Intrinsic Separation Ability and Interfacial Compatibility in Mixed-Matrix Membranes for CO ₂ /CH ₄ Separation. <i>Advanced Materials</i> , 2017, 29, 1606999.	21.0	229
27	Enhanced C ₃ H ₆ /C ₃ H ₈ separation performance on MOF membranes through blocking defects and hindering framework flexibility by silicone rubber coating. <i>Chemical Communications</i> , 2017, 53, 7760-7763.	4.1	110
28	Comparison of the hydrothermal stability of ZIF-8 nanocrystals and polycrystalline membranes derived from zinc salt variations. <i>Materials Letters</i> , 2017, 197, 184-187.	2.6	32
29	Enhanced permeation performance of polyether-polyamide block copolymer membranes through incorporating ZIF-8 nanocrystals. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 882-891.	3.5	34
30	Strict molecular sieving over electrodeposited 2D-interspacing-narrowed graphene oxide membranes. <i>Nature Communications</i> , 2017, 8, 825.	12.8	110
31	Temperature-induced formation of cellulose nanofiber film with remarkably high gas separation performance. <i>Cellulose</i> , 2017, 24, 5649-5656.	4.9	35
32	Thin poly(ether-block-amide)/attapulgite composite membranes with improved CO ₂ permeance and selectivity for CO ₂ /N ₂ and CO ₂ /CH ₄ . <i>Chemical Engineering Science</i> , 2017, 160, 236-244.	3.8	55
33	Fabrication of magnetically responsive HKUST-1/Fe ₃ O ₄ composites by dry gel conversion for deep desulfurization and denitrogenation. <i>Journal of Hazardous Materials</i> , 2017, 321, 344-352.	12.4	165
34	Diffusion as a function of guest molecule length and functionalization in flexible metal-organic frameworks. <i>Materials Horizons</i> , 2016, 3, 355-361.	12.2	19
35	Zinc-substituted ZIF-67 nanocrystals and polycrystalline membranes for propylene/propane separation. <i>Chemical Communications</i> , 2016, 52, 12578-12581.	4.1	81
36	ZIF-8 membranes with improved reproducibility fabricated from sputter-coated ZnO/alumina supports. <i>Chemical Engineering Science</i> , 2016, 141, 119-124.	3.8	82

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37	Preparation of poly(ether-block-amide)/attapulgite mixed matrix membranes for CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2016, 500, 66-75.	8.2	123
38	Removal of Heavy Metal Ions from Aqueous Solutions by Adsorption onto ZIF-8 Nanocrystals. <i>Chemistry Letters</i> , 2015, 44, 758-760.	1.3	42
39	Preparation of Y ³⁺ - and La ³⁺ -doped ZIF-8 Crystals and the Fluorescence Sensing of Amines. <i>Chemistry Letters</i> , 2015, 44, 887-889.	1.3	7
40	Improved ZIF-8 membrane: Effect of activation procedure and determination of diffusivities of light hydrocarbons. <i>Journal of Membrane Science</i> , 2015, 493, 88-96.	8.2	93
41	High-performance polyamide thin-film-nanocomposite reverse osmosis membranes containing hydrophobic zeolitic imidazolate framework-8. <i>Journal of Membrane Science</i> , 2015, 476, 303-310.	8.2	365
42	â¼®æµâ½“æšœæã`â¶âšç°šç»“æž,,ææ–™çš,,ç”ç©¶è¿â±•. <i>Scientia Sinica Chimica</i> , 2015, 45, 24-33.	0.4	1
43	Molecular Dynamics Simulations on Gate Opening in ZIF-8: Identification of Factors for Ethane and Propane Separation. <i>Langmuir</i> , 2013, 29, 8865-8872.	3.5	73
44	A two-phase segmented microfluidic technique for one-step continuous versatile preparation of zeolites. <i>Chemical Engineering Journal</i> , 2013, 219, 78-85.	12.7	33
45	Carbon dioxide selective mixed matrix composite membrane containing ZIF-7 nano-fillers. <i>Journal of Membrane Science</i> , 2013, 425-426, 235-242.	8.2	387
46	Synthesis of ceramic hollow fiber supported zeolitic imidazolate framework-8 (ZIF-8) membranes with high hydrogen permeability. <i>Journal of Membrane Science</i> , 2012, 421-422, 292-298.	8.2	187
47	Effective separation of propylene/propane binary mixtures by ZIF-8 membranes. <i>Journal of Membrane Science</i> , 2012, 390-391, 93-98.	8.2	384
48	Tuning the crystal morphology and size of zeolitic imidazolate framework-8 in aqueous solution by surfactants. <i>CrystEngComm</i> , 2011, 13, 6937.	2.6	371
49	Sharp separation of C ₂ /C ₃ hydrocarbon mixtures by zeolitic imidazolate framework-8 (ZIF-8) membranes synthesized in aqueous solutions. <i>Chemical Communications</i> , 2011, 47, 10275.	4.1	303
50	Rapid synthesis of zeolitic imidazolate framework-8 (ZIF-8) nanocrystals in an aqueous system. <i>Chemical Communications</i> , 2011, 47, 2071.	4.1	1,330
51	Synthesis of highly c-oriented ZIF-69 membranes by secondary growth and their gas permeation properties. <i>Journal of Membrane Science</i> , 2011, 379, 46-51.	8.2	204
52	Versatile preparation of monodisperse poly(furfuryl alcohol) and carbon hollow spheres in a simple microfluidic device. <i>Chemical Communications</i> , 2010, 46, 3732.	4.1	30
53	Rapid Crystallization of Silicalite Nanocrystals in a Capillary Microreactor. <i>Chemical Engineering and Technology</i> , 2009, 32, 732-737.	1.5	11
54	Preparation of Ultrafine Zeolite A Crystals with Narrow Particle Size Distribution Using a Two-Phase Liquid Segmented Microfluidic Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 8471-8477.	3.7	34

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55	Preparation of uniform nano-sized zeolite A crystals in microstructured reactors using manipulated organic template-free synthesis solutions. <i>Chemical Communications</i> , 2009, , 7233.	4.1	39