

Xiaohua

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

315
citations

1039406

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1199166

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneously enhanced CO ₂ permeability and CO ₂ /N ₂ selectivity at sub-ambient temperature from two novel functionalized intrinsic microporous polymers. <i>Journal of Membrane Science</i> , 2022, 644, 120086.	4.1	8
2	Unprecedented gas separation performance of a difluoro-functionalized triptycene-based ladder PIM membrane at low temperature. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5404-5414.	5.2	50
3	High-performance polymer molecular sieve membranes prepared by direct fluorination for efficient helium enrichment. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18313-18322.	5.2	28
4	Modifying Ionic Membranes with Carbon Dots Enables Direct Production of High-Purity Hydrogen through Water Electrolysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39304-39310.	4.0	6
5	Bottom up approach to study the gas separation properties of PIM-PIs and its derived CMSMs by isomer monomers. <i>Journal of Membrane Science</i> , 2021, 635, 119519.	4.1	27
6	The effect of chain rigidity and microporosity on the sub-ambient temperature gas separation properties of intrinsic microporous polyimides. <i>Journal of Membrane Science</i> , 2021, 635, 119439.	4.1	29
7	Unprecedented gas separation performance of ITTB/CNT nanocomposite membranes at low temperature by strong interfacial interaction enhanced rigidity. <i>Journal of Membrane Science</i> , 2021, 636, 119590.	4.1	14
8	Significantly improved gas separation properties of sulfonated PIM-1 by direct sulfonation using SO ₃ solution. <i>Journal of Membrane Science</i> , 2021, 635, 119440.	4.1	26
9	Practical Enantioselective Synthesis of Chiroptical Polymers of Intrinsic Microporosity with Circular Polarized Luminescence. <i>Macromolecules</i> , 2021, 54, 11180-11186.	2.2	13
10	Isolated-alkene-linked porous organic polymers (BIT-POPs): facile synthesis via ROMP and distinguishing overlapping signals in solid-state ¹³ C NMR. <i>Polymer Chemistry</i> , 2021, 12, 6745-6754.	1.9	5
11	Plasticization-Resistant Carboxyl-Functionalized 6FDA-Polyimide of Intrinsic Microporosity (PIM-PI) for Membrane-Based Gas Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5247-5256.	1.8	58
12	Enhanced Gas Separation Properties of Triptycene Base Polymer Membranes Derived from Pure Triptycene Diamine Regioisomers. <i>Macromolecules</i> , 2020, 53, 1573-1584.	2.2	51