

Substantial breakthroughs on function-led design of advanced matrix membranes (MMMs): A new horizon for efficient

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Citation Report

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> bottom-up growth of metal-organic frameworks in a crosslinked poly(ethylene oxide) layer with ultrahigh loading and superior uniform distribution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20293-20301.	5.2	28
2	Hydrogen recovery from ammonia purge gas by a membrane separator: A simulation study. <i>International Journal of Energy Research</i> , 2019, 43, 8217.	2.2	6
3	Preparation of polybenzoxazole-silica hybrid membranes for CO ₂ /CH ₄ separation. <i>Polymer Journal</i> , 2019, 51, 1037-1044.	1.3	10
4	Engineering of the Filler/Polymer Interface in Metal-Organic Framework-Based Mixed-Matrix Membranes to Enhance Gas Separation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3502-3514.	1.7	67
5	Aminosilane cross-linked poly ether-block-amide PEBAX 2533: Characterization and CO ₂ separation properties. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1339-1349.	1.2	34
6	Synthesis of Nano/Microsized MIL-101Cr Through Combination of Microwave Heating and Emulsion Technology for Mixed-Matrix Membranes. <i>Frontiers in Chemistry</i> , 2019, 7, 777.	1.8	8
7	High-temperature CO ₂ removal from CH ₄ using silica membrane: experimental and neural network modeling. , 2019, 9, 1010-1026.		22
8	Polyvinylamine Membranes Containing Graphene-Based Nanofillers for Carbon Capture Applications. <i>Membranes</i> , 2019, 9, 119.	1.4	13
9	Constructing Unique Cross-Sectional Structured Mixed Matrix Membranes by Incorporating Ultrathin Microporous Nanosheets for Efficient CO ₂ Separation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24618-24626.	4.0	69
10	High-performance ultrathin mixed-matrix membranes based on an adhesive PGMA-co-POEM comb-like copolymer for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14723-14731.	5.2	43
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13	Polyimides in membrane gas separation: Monomer's molecular design and structural engineering. <i>Progress in Polymer Science</i> , 2019, 91, 80-125.	11.8	237
14	Preliminary Fractional Factorial Design (FFD) study using incorporation of Graphene Oxide in PVC in mixed matrix membrane to enhance CO ₂ /CH ₄ separation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 702, 012041.	0.3	2
15	Mixed Matrix Membranes. <i>Membranes</i> , 2019, 9, 149.	1.4	18
16	Control of the pore size of honeycomb polymer film from micrometers to nanometers via substrate-temperature regulation and its application to photovoltaic and heat-resistant polymer films. <i>Nanotechnology</i> , 2020, 31, 015301.	1.3	4
17	Characterization and enhancement of the gas separation properties of mixed matrix membranes: Polyimide with nickel oxide nanoparticles. <i>Chemical Engineering Research and Design</i> , 2020, 153, 789-805.	2.7	30
18	Advances in high carbon dioxide separation performance of poly(ethylene oxide)-based membranes. <i>Journal of Energy Chemistry</i> , 2020, 46, 30-52.	7.1	65

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20	Bioinspired porous organic polymer-functionalized membranes for efficient CO ₂ capture. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1191-1198.	2.5	12
21	State-of-the-art modification of polymeric membranes by PEO and PEG for carbon dioxide separation: A review of the current status and future perspectives. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 1-22.	2.9	46
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27	Improvement in separation performance of PEI-based nanofiltration membranes by using L-cysteine functionalized POSS-TiO ₂ composite nanoparticles for removal of heavy metal ion. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1552-1564.	1.2	11
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