

# Polymers of intrinsic microporosity (PIMs): robust, soluble, nanoporous materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microporous polymeric materials. <i>Materials Today</i> , 2004, 7, 40-46.	8.3	43
2	Solution-Processed, Organophilic Membrane Derived from a Polymer of Intrinsic Microporosity. <i>Advanced Materials</i> , 2004, 16, 456-459.	11.1	788
3	Polymorphism and Pseudopolymorphism of the [Ni(4-Methylpyridine) <sub>4</sub> (NCS) <sub>2</sub> ] Werner Complex, the Compound that Led to the Concept of "Organic Zeolites". <i>Crystal Growth and Design</i> , 2004, 4, 1185-1194.	1.4	61
4	Gas separation membranes from polymers of intrinsic microporosity. <i>Journal of Membrane Science</i> , 2005, 251, 263-269.	4.1	730
5	Polymers of Intrinsic Microporosity (PIMs): Bridging the Void between Microporous and Polymeric Materials. <i>Chemistry - A European Journal</i> , 2005, 11, 2610-2620.	1.7	461
6	Organic zeolites. <i>Studies in Surface Science and Catalysis</i> , 2005, , 37-54.	1.5	14
7	Free volume and intrinsic microporosity in polymers. <i>Journal of Materials Chemistry</i> , 2005, 15, 1977.	6.7	364
8	Controlled Foaming of Polymer Films through Restricted Surface Diffusion and the Addition of Nanosilica Particles or CO <sub>2</sub> -philic Surfactants. <i>Macromolecules</i> , 2005, 38, 2271-2280.	2.2	110
9	Multicyclic Polyethers Derived from 1,4-Dicyanotetrafluorobenzene and Flexible Diphenols. <i>Macromolecules</i> , 2006, 39, 6445-6450.	2.2	16
10	Polymers of Intrinsic Microporosity (PIMs): High Free Volume Polymers for Membrane Applications. <i>Macromolecular Symposia</i> , 2006, 245-246, 403-405.	0.4	80
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14	Soluble hyperbranched polymers with high inner surface areas. <i>Mendeleev Communications</i> , 2006, 16, 79.	0.6	4
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16	Towards Polymer-Based Hydrogen Storage Materials: Engineering Ultramicroporous Cavities within Polymers of Intrinsic Microporosity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1804-1807.	7.2	421
17	Developments in Membrane Research: from Material via Process Design to Industrial Application. <i>Advanced Engineering Materials</i> , 2006, 8, 328-358.	1.6	215
19	A triptycene-based polymer of intrinsic microporosity that displays enhanced surface area and hydrogen adsorption. <i>Chemical Communications</i> , 2007, , 67-69.	2.2	282

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21	Hydrogen Storage in Microporous Hypercrosslinked Organic Polymer Networks. <i>Chemistry of Materials</i> , 2007, 19, 2034-2048.	3.2	618
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53	Pure- and mixed-gas permeation properties of a microporous spirobisindane-based ladder polymer (PIM-1). <i>Journal of Membrane Science</i> , 2009, 333, 125-131.	4.1	246
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55	Porous organic cages. <i>Nature Materials</i> , 2009, 8, 973-978.	13.3	984
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92	Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. <i>Macromolecules</i> , 2010, 43, 5287-5294.	2.2	275
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942	Polymers of Intrinsic Microporosity—Molecular Mobility and Physical Aging Revisited by Dielectric Spectroscopy and X-ray Scattering. <i>Macromolecules</i> , 2022, 55, 7340-7350.	2.2	5
943	Microporosity effect of intrinsic microporous polyimide membranes on their helium enrichment performance after direct fluorination. <i>Journal of Membrane Science</i> , 2022, 660, 120868.	4.1	8
944	Porous silica nanosheets in PIM-1 membranes for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2022, 661, 120889.	4.1	17
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946	Switching ionic diode states with proton binding into intrinsically microporous polyamine films (PIM-EA-TB) immersed in ethanol. <i>Journal of Electroanalytical Chemistry</i> , 2022, 922, 116751.	1.9	2
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984	Porous organic polymers: a progress report in China. <i>Science China Chemistry</i> , 0, , .	4.2	5
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