

Peter Budd

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mixed matrix membranes derived from a spirofluorene polymer of intrinsic microporosity and polyphenylene networks for the separation of toluene from dimethyl sulfoxide. <i>Arkivoc</i> , 2022, 2021, 120-130. | 0.3 | 2 |
| 2 | Enhancing the organophilic separations with mixed matrix membranes of PIM-1 and bimetallic Zn/Co-ZIF filler. <i>Separation and Purification Technology</i> , 2022, 283, 120216. | 3.9 | 13 |
| 3 | Seeking synergy in membranes: blends and mixtures with polymers of intrinsic microporosity. <i>Current Opinion in Chemical Engineering</i> , 2022, 36, 100792. | 3.8 | 5 |
| 4 | Advanced methods for analysis of mixed gas diffusion in polymeric membranes. <i>Journal of Membrane Science</i> , 2022, 648, 120356. | 4.1 | 10 |
| 5 | Sieving gases with twisty polymers. <i>Science</i> , 2022, 375, 1354-1355. | 6.0 | 8 |
| 6 | Novel Mixed Matrix Membranes Based on Polymer of Intrinsic Microporosity PIM-1 Modified with Metal-Organic Frameworks for Removal of Heavy Metal Ions and Food Dyes by Nanofiltration. <i>Membranes</i> , 2022, 12, 14. | 1.4 | 19 |
| 7 | PIM-1 membranes containing POSS - graphene oxide for CO ₂ separation. <i>Separation and Purification Technology</i> , 2022, 298, 121447. | 3.9 | 28 |
| 8 | Thin film nanocomposite membranes of PIM-1 and graphene oxide/ZIF-8 nanohybrids for organophilic pervaporation. <i>Separation and Purification Technology</i> , 2022, 299, 121693. | 3.9 | 6 |
| 9 | Upgrading of raw biogas using membranes based on the ultrapermeable polymer of intrinsic microporosity PIM-TMN-Trip. <i>Journal of Membrane Science</i> , 2021, 618, 118694. | 4.1 | 23 |
| 10 | Gas separation performance of MMMs containing (PIM-1)-functionalized GO derivatives. <i>Journal of Membrane Science</i> , 2021, 623, 118902. | 4.1 | 48 |
| 11 | Bridging the interfacial gap in mixed-matrix membranes by nature-inspired design: precise molecular sieving with polymer-grafted metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23793-23801. | 5.2 | 41 |
| 12 | Recovery of free volume in PIM-1 membranes through alcohol vapor treatment. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 872-881. | 2.3 | 13 |
| 13 | Ultrapermeable Polymers of Intrinsic Microporosity Containing Spirocyclic Units with Fused Triptycenes. <i>Advanced Functional Materials</i> , 2021, 31, 2104474. | 7.8 | 29 |
| 14 | Influence of Polymer Topology on Gas Separation Membrane Performance of the Polymer of Intrinsic Microporosity PIM-Py. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3485-3495. | 2.0 | 11 |
| 15 | High-Flux Thin Film Composite PIM-1 Membranes for Butanol Recovery: Experimental Study and Process Simulations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42635-42649. | 4.0 | 15 |
| 16 | PEEK-WC-Based Mixed Matrix Membranes Containing Polyimine Cages for Gas Separation. <i>Molecules</i> , 2021, 26, 5557. | 1.7 | 8 |
| 17 | 2D boron nitride nanosheets in PIM-1 membranes for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2021, 636, 119527. | 4.1 | 52 |
| 18 | Importance of small loops within PIM-1 topology on gas separation selectivity in thin film composite membranes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21807-21823. | 5.2 | 30 |

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|----|---|-----|-----------|
| 19 | Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater. <i>Advanced Materials Technologies</i> , 2021, 6, 2000955. | 3.0 | 52 |
| 20 | Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater (<i>Adv. Mater. Technol.</i> 10/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170059. | 3.0 | 0 |
| 21 | PIM-1/Holey Graphene Oxide Mixed Matrix Membranes for Gas Separation: Unveiling the Role of Holes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55517-55533. | 4.0 | 22 |
| 22 | Electrostatically-coupled graphene oxide nanocomposite cation exchange membrane. <i>Journal of Membrane Science</i> , 2020, 594, 117457. | 4.1 | 26 |
| 23 | Polymers of Intrinsic Microporosity and Their Potential in Process Intensification. , 2020, , 231-264. | | 2 |
| 24 | Comparison of pure and mixed gas permeation of the highly fluorinated polymer of intrinsic microporosity PIM-2 under dry and humid conditions: Experiment and modelling. <i>Journal of Membrane Science</i> , 2020, 594, 117460. | 4.1 | 39 |
| 25 | Understanding the Topology of the Polymer of Intrinsic Microporosity PIM-1: Cyclics, Tadpoles, and Network Structures and Their Impact on Membrane Performance. <i>Macromolecules</i> , 2020, 53, 569-583. | 2.2 | 59 |
| 26 | Intrinsically Microporous Polymer Nanosheets for High-Performance Gas Separation Membranes. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900572. | 2.0 | 23 |
| 27 | Correlating Gas Permeability and Young's Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5381-5391. | 1.8 | 25 |
| 28 | Harnessing the enantiomeric recognition ability of hydrophobic polymers of intrinsic microporosity (PIM-1) toward amino acids by converting them into hydrophilic polymer dots. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13827-13835. | 2.7 | 12 |
| 29 | Optical Analysis of the Internal Void Structure in Polymer Membranes for Gas Separation. <i>Membranes</i> , 2020, 10, 328. | 1.4 | 5 |
| 30 | Boosting gas separation performance and suppressing the physical aging of polymers of intrinsic microporosity (PIM-1) by nanomaterial blending. <i>Nanoscale</i> , 2020, 12, 23333-23370. | 2.8 | 81 |
| 31 | Molecular Mobility of a Polymer of Intrinsic Microporosity Revealed by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2020, 53, 6731-6739. | 2.2 | 10 |
| 32 | Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax® 1657 Composite Membranes and Their Gas Separation Performance. <i>Membranes</i> , 2020, 10, 224. | 1.4 | 4 |
| 33 | Mitigation of Physical Aging with Mixed Matrix Membranes Based on Cross-Linked PIM-1 Fillers and PIM-1. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46756-46766. | 4.0 | 47 |
| 34 | Graphene-PSS-DOPA nanocomposite cation exchange membranes for electro dialysis desalination. <i>Environmental Science: Nano</i> , 2020, 7, 3108-3123. | 2.2 | 8 |
| 35 | Superglassy Polymers to Treat Natural Gas by Hybrid Membrane/Amine Processes: Can Fillers Help?. <i>Membranes</i> , 2020, 10, 413. | 1.4 | 7 |
| 36 | Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. <i>Computation</i> , 2020, 8, 28. | 1.0 | 14 |

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|----|---|-----|-----------|
| 37 | Glassy PEEK-WC vs. Rubbery Pebax®1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1310. | 1.3 | 12 |
| 38 | The origin of size-selective gas transport through polymers of intrinsic microporosity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20121-20126. | 5.2 | 63 |
| 39 | Effect of Backbone Rigidity on the Glass Transition of Polymers of Intrinsic Microporosity Probed by Fast Scanning Calorimetry. <i>ACS Macro Letters</i> , 2019, 8, 1022-1028. | 2.3 | 35 |
| 40 | Quantification of gas permeability of epoxy resin composites with graphene nanoplatelets. <i>Composites Science and Technology</i> , 2019, 184, 107875. | 3.8 | 9 |
| 41 | The potential of polymers of intrinsic microporosity (PIMs) and PIM/graphene composites for pervaporation membranes. <i>BMC Chemical Engineering</i> , 2019, 1, . | 3.4 | 21 |
| 42 | Pervaporation and vapour permeation of methanol & dimethyl carbonate mixtures through PIM-1 membranes. <i>Separation and Purification Technology</i> , 2019, 217, 206-214. | 3.9 | 29 |
| 43 | Synergistic enhancement of gas selectivity in thin film composite membranes of PIM-1. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6417-6430. | 5.2 | 55 |
| 44 | Designer Polymers Boost Cation Exchange. <i>Trends in Chemistry</i> , 2019, 1, 797-798. | 4.4 | 0 |
| 45 | Mixed matrix membranes based on MIL-101 metal-organic frameworks in polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , 2019, 212, 545-554. | 3.9 | 53 |
| 46 | Gas sorption in polymers of intrinsic microporosity: The difference between solubility coefficients determined via time-lag and direct sorption experiments. <i>Journal of Membrane Science</i> , 2019, 570-571, 522-536. | 4.1 | 29 |
| 47 | Determination of Physical Properties and Crystallization Kinetics of Oil From <i>Allanblackia</i> Seeds and Shea Nuts Under Different Thermal Conditions. <i>European Journal of Lipid Science and Technology</i> , 2018, 120, 1700156. | 1.0 | 7 |
| 48 | First Clear-Cut Experimental Evidence of a Glass Transition in a Polymer with Intrinsic Microporosity: PIM-1. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2003-2008. | 2.1 | 67 |
| 49 | Temperature and pressure dependence of gas permeation in amine-modified PIM-1. <i>Journal of Membrane Science</i> , 2018, 555, 483-496. | 4.1 | 45 |
| 50 | The unique calcium chelation property of poly(vinyl phosphonic acid-co-acrylic acid) and effects on osteogenesis <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 168-179. | 2.1 | 15 |
| 51 | Poly(vinylphosphonic acid-co-acrylic acid) hydrogels: The effect of copolymer composition on osteoblast adhesion and proliferation. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 255-264. | 2.1 | 35 |
| 52 | Anomalies in the low frequency vibrational density of states for a polymer with intrinsic microporosity & the Boson peak of PIM-1. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1355-1363. | 1.3 | 17 |
| 53 | Graphene oxide-polybenzimidazolium nanocomposite anion exchange membranes for electrodialysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24728-24739. | 5.2 | 87 |
| 54 | Temperature Dependence of Gas Permeation and Diffusion in Triptycene-Based Ultrapervaporable Polymers of Intrinsic Microporosity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36475-36482. | 4.0 | 58 |

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|----|---|------|-----------|
| 55 | Study on the formation of thin film nanocomposite (TFN) membranes of polymers of intrinsic microporosity and graphene-like fillers: Effect of lateral flake size and chemical functionalization. <i>Journal of Membrane Science</i> , 2018, 565, 390-401. | 4.1 | 38 |
| 56 | The synthesis, chain-packing simulation and long-term gas permeability of highly selective spirobifluorene-based polymers of intrinsic microporosity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10507-10514. | 5.2 | 91 |
| 57 | Impeded physical aging in PIM-1 membranes containing graphene-like fillers. <i>Journal of Membrane Science</i> , 2018, 563, 513-520. | 4.1 | 65 |
| 58 | Ultrahigh-permeance PIM-1 based thin film nanocomposite membranes on PAN supports for CO ₂ separation. <i>Journal of Membrane Science</i> , 2018, 564, 878-886. | 4.1 | 69 |
| 59 | Review of nanomaterials-assisted ion exchange membranes for electromembrane desalination. <i>Npj Clean Water</i> , 2018, 1, . | 3.1 | 79 |
| 60 | Gas Permeation Properties, Physical Aging, and Its Mitigation in High Free Volume Glassy Polymers. <i>Chemical Reviews</i> , 2018, 118, 5871-5911. | 23.0 | 414 |
| 61 | Graphene/Polyamide Laminates for Supercritical CO ₂ and H ₂ S Barrier Applications: An Approach toward Permeation Shutdown. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800304. | 1.9 | 6 |
| 62 | Gas Barriers: Graphene/Polyamide Laminates for Supercritical CO ₂ and H ₂ S Barrier Applications: An Approach toward Permeation Shutdown (Adv. Mater. Interfaces 15/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870076. | 1.9 | 0 |
| 63 | Selective dye adsorption by chemically-modified and thermally-treated polymers of intrinsic microporosity. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 81-91. | 5.0 | 85 |
| 64 | Molecular mobility and gas transport properties of nanocomposites based on PIM-1 and polyhedral oligomeric phenethyl-silsesquioxanes (POSS). <i>Journal of Membrane Science</i> , 2017, 529, 274-285. | 4.1 | 28 |
| 65 | High-flux PIM-1/PVDF thin film composite membranes for 1-butanol/water pervaporation. <i>Journal of Membrane Science</i> , 2017, 529, 207-214. | 4.1 | 79 |
| 66 | Enhanced organophilic separations with mixed matrix membranes of polymers of intrinsic microporosity and graphene-like fillers. <i>Journal of Membrane Science</i> , 2017, 526, 437-449. | 4.1 | 57 |
| 67 | Environmentally benign and diastereoselective synthesis of 2,4,5-trisubstituted-2-imidazolines. <i>RSC Advances</i> , 2017, 7, 53278-53289. | 1.7 | 9 |
| 68 | Systematic hydrolysis of PIM-1 and electrospinning of hydrolyzed PIM-1 ultrafine fibers for an efficient removal of dye from water. <i>Reactive and Functional Polymers</i> , 2017, 121, 67-75. | 2.0 | 52 |
| 69 | Mixed matrix membranes based on UiO-66 MOFs in the polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , 2017, 173, 304-313. | 3.9 | 148 |
| 70 | Synthesis and Transport Properties of Novel MOF/PIM-1/MOF Sandwich Membranes for Gas Separation. <i>Membranes</i> , 2017, 7, 7. | 1.4 | 32 |
| 71 | 1.9 Membranes Made of Polymers of Intrinsic Microporosity (PIMs)., 2017, , 216-235. | | 1 |
| 72 | Molecular Mobility of the High Performance Membrane Polymer PIM-1 as Investigated by Dielectric Spectroscopy. <i>ACS Macro Letters</i> , 2016, 5, 528-532. | 2.3 | 35 |

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| 73 | Aging of polymers of intrinsic microporosity tracked by methanol vapour permeation. Journal of Membrane Science, 2016, 520, 895-906. | 4.1 | 34 |
| 74 | Enhanced gas separation factors of microporous polymer constrained in the channels of anodic alumina membranes. Scientific Reports, 2016, 6, 31183. | 1.6 | 32 |
| 75 | Synthesis and Characterization of Poly(vinylphosphonic acid-co-acrylic acid) Copolymers for Application in Bone Tissue Scaffolds. Macromolecules, 2016, 49, 2656-2662. | 2.2 | 33 |
| 76 | PIM-1 mixed matrix membranes for gas separations using cost-effective hypercrosslinked nanoparticle fillers. Chemical Communications, 2016, 52, 5581-5584. | 2.2 | 121 |
| 77 | Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. Carbon, 2016, 102, 357-366. | 5.4 | 34 |
| 78 | The influence of few-layer graphene on the gas permeability of the high-free-volume polymer PIM-1. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150031. | 1.6 | 51 |
| 79 | Study of glassy polymers fractional accessible volume (FAV) by extended method of hydrostatic weighing: Effect of porous structure on liquid transport. Reactive and Functional Polymers, 2015, 86, 269-281. | 2.0 | 58 |
| 80 | Highly monodisperse, lanthanide-containing polystyrene nanoparticles as potential standard reference materials for environmental nano-fate analysis. Journal of Applied Polymer Science, 2015, 132, . | 1.3 | 37 |
| 81 | Hydroxyalkylaminoalkylamide PIMs: Selective Adsorption by Ethanolamine- and Diethanolamine-Modified PIM-1. Macromolecules, 2015, 48, 5663-5669. | 2.2 | 65 |
| 82 | Sustainable wastewater treatment and recycling in membrane manufacturing. Green Chemistry, 2015, 17, 5196-5205. | 4.6 | 229 |
| 83 | Polymerized high internal phase emulsion monoliths for the chromatographic separation of engineered nanoparticles. Journal of Applied Polymer Science, 2015, 132, . | 1.3 | 38 |
| 84 | PIM-1/graphene composite: A combined experimental and molecular simulation study. Microporous and Mesoporous Materials, 2015, 209, 126-134. | 2.2 | 53 |
| 85 | Enhancement of CO ₂ Affinity in a Polymer of Intrinsic Microporosity by Amine Modification. Macromolecules, 2014, 47, 1021-1029. | 2.2 | 204 |
| 86 | Base-catalysed hydrolysis of PIM-1: amide versus carboxylate formation. RSC Advances, 2014, 4, 52189-52198. | 1.7 | 91 |
| 87 | Thermally Rearrangeable PIM-Polyimides for Gas Separation Membranes. Macromolecules, 2014, 47, 5595-5606. | 2.2 | 118 |
| 88 | Physical aging of polymers of intrinsic microporosity: a SAXS/WAXS study. Journal of Materials Chemistry A, 2014, 2, 11742-11752. | 5.2 | 71 |
| 89 | Mechanically robust thermally rearranged (TR) polymer membranes with spirobisindane for gas separation. Journal of Membrane Science, 2013, 434, 137-147. | 4.1 | 171 |
| 90 | Nanoporous Organic Polymer/Cage Composite Membranes. Angewandte Chemie - International Edition, 2013, 52, 1253-1256. | 7.2 | 263 |

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| 91 | New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. <i>Polymer</i> , 2013, 54, 2222-2230. | 1.8 | 66 |
| 92 | Gas permeation parameters of mixed matrix membranes based on the polymer of intrinsic microporosity PIM-1 and the zeolitic imidazolate framework ZIF-8. <i>Journal of Membrane Science</i> , 2013, 427, 48-62. | 4.1 | 312 |
| 93 | Solvent nanofiltration through high permeability glassy polymers: Effect of polymer and solute nature. <i>Journal of Membrane Science</i> , 2012, 423-424, 65-72. | 4.1 | 116 |
| 94 | Polymer of Intrinsic Microporosity Incorporating Thioamide Functionality: Preparation and Gas Transport Properties. <i>Macromolecules</i> , 2011, 44, 6471-6479. | 2.2 | 233 |
| 95 | Structural Characterization of a Polymer of Intrinsic Microporosity: X-ray Scattering with Interpretation Enhanced by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2011, 44, 14-16. | 2.2 | 76 |
| 96 | Effect of end-group modification on the adsorption of poly(ethylene oxide)-b-poly(butylene oxide) diblock copolymers at the solid-liquid interface. <i>Polymer Bulletin</i> , 2010, 65, 521-531. | 1.7 | 5 |
| 97 | Free Volume Investigation of Polymers of Intrinsic Microporosity (PIMs): PIM-1 and PIM1 Copolymers Incorporating Ethanoanthracene Units. <i>Macromolecules</i> , 2010, 43, 6075-6084. | 2.2 | 100 |
| 98 | Highly permeable polymers for gas separation membranes. <i>Polymer Chemistry</i> , 2010, 1, 63. | 1.9 | 308 |
| 99 | 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 |
| 100 | Exploitation of Intrinsic Microporosity in Polymer-Based Materials. <i>Macromolecules</i> , 2010, 43, 5163-5176. | 2.2 | 725 |
| 101 | Synthesis, Characterization, and Gas Permeation Properties of a Novel Group of Polymers with Intrinsic Microporosity: PIM-Polyimides. <i>Macromolecules</i> , 2009, 42, 7881-7888. | 2.2 | 250 |
| 102 | Atomistic packing model and free volume distribution of a polymer with intrinsic microporosity (PIM-1). <i>Journal of Membrane Science</i> , 2008, 318, 84-99. | 4.1 | 227 |
| 103 | High-Performance Membranes from Polyimides with Intrinsic Microporosity. <i>Advanced Materials</i> , 2008, 20, 2766-2771. | 11.1 | 307 |
| 104 | Gas permeation parameters and other physicochemical properties of a polymer of intrinsic microporosity: Polybenzodioxane PIM-1. <i>Journal of Membrane Science</i> , 2008, 325, 851-860. | 4.1 | 470 |
| 105 | Polymers of Intrinsic Microporosity Derived from Bis(phenazyl) Monomers. <i>Macromolecules</i> , 2008, 41, 1640-1646. | 2.2 | 150 |
| 106 | Catalysis by microporous phthalocyanine and porphyrin network polymers. <i>Journal of Materials Chemistry</i> , 2008, 18, 573-578. | 6.7 | 246 |
| 107 | CHEMISTRY: Putting Order into Polymer Networks. <i>Science</i> , 2007, 316, 210-211. | 6.0 | 33 |
| 108 | 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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|-----|---|------|-----------|
| 109 | The potential of organic polymer-based hydrogen storage materials. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1802. | 1.3 | 197 |
| 110 | Microporous Polymers as Potential Hydrogen Storage Materials. <i>Macromolecular Rapid Communications</i> , 2007, 28, 995-1002. | 2.0 | 176 |
| 111 | Unusual temperature dependence of the positron lifetime in a polymer of intrinsic microporosity. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 190-192. | 1.2 | 32 |
| 112 | Polymers of Intrinsic Microporosity (PIMs): High Free Volume Polymers for Membrane Applications. <i>Macromolecular Symposia</i> , 2006, 245-246, 403-405. | 0.4 | 80 |
| 113 | Polymers of intrinsic microporosity (PIMs): organic materials for membrane separations, heterogeneous catalysis and hydrogen storage. <i>Chemical Society Reviews</i> , 2006, 35, 675. | 18.7 | 1,545 |
| 114 | Adsorption Studies of a Microporous Phthalocyanine Network Polymer. <i>Langmuir</i> , 2006, 22, 4225-4229. | 1.6 | 103 |
| 115 | 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 |
| 116 | Gas separation membranes from polymers of intrinsic microporosity. <i>Journal of Membrane Science</i> , 2005, 251, 263-269. | 4.1 | 730 |
| 117 | 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 |
| 118 | Polymerization and carbonization of high internal phase emulsions. <i>Polymer International</i> , 2005, 54, 297-303. | 1.6 | 56 |
| 119 | Free volume and intrinsic microporosity in polymers. <i>Journal of Materials Chemistry</i> , 2005, 15, 1977. | 6.7 | 364 |
| 120 | Polymers of intrinsic microporosity (PIMs): robust, solution-processable, organic nanoporous materials. <i>Chemical Communications</i> , 2004, , 230. | 2.2 | 1,084 |
| 121 | A nanoporous network polymer derived from hexaazatrinaphthylene with potential as an adsorbent and catalyst support. <i>Journal of Materials Chemistry</i> , 2003, 13, 2721-2726. | 6.7 | 128 |
| 122 | Micelle properties of a dimethylamino- and a trimethylammonium-tipped oxyethylene- α -oxybutylene diblock copolymer in water. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3968-3972. | 1.3 | 8 |
| 123 | Dimethylamino- and trimethylammonium-tipped oxyethylene- α -oxybutylene diblock copolymers and their use as structure-directing agents in the preparation of mesoporous silica. <i>Journal of Materials Chemistry</i> , 2002, 12, 2286-2291. | 6.7 | 23 |
| 124 | Electrophoresis of polymeric dyes in macroporous polymer. <i>Polymer Bulletin</i> , 2002, 49, 33-37. | 1.7 | 3 |
| 125 | Control of mesostructured silica particle morphology. <i>Journal of Materials Chemistry</i> , 2001, 11, 951-957. | 6.7 | 106 |
| 126 | Title is missing!. <i>Journal of Materials Chemistry</i> , 2001, 11, 2979-2984. | 6.7 | 33 |

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|-----|--|-----|-----------|
| 127 | Poly[oxymethylene-oligo(oxyethylene)] for use in subambient temperature electrochromic devices. <i>Polymer International</i> , 2000, 49, 371-376. | 1.6 | 19 |
| 128 | Ordered Langmuir-Blodgett films derived from a mesogenic polymer amphiphile. <i>Journal of Materials Chemistry</i> , 2000, 10, 2270-2273. | 6.7 | 4 |
| 129 | Characterization of <i>Anacardium occidentale</i> exudate polysaccharide. <i>Polymer International</i> , 1998, 45, 27-35. | 1.6 | 154 |
| 130 | Characterization of <i>Anadenanthera macrocarpa</i> exudate polysaccharide. <i>Polymer International</i> , 1997, 44, 55-60. | 1.6 | 19 |
| 131 | Nuclear magnetic relaxation of ^{13}C nuclei of helical poly(^{13}C -hexyl-L-glutamate) and poly(^{13}C -benzyl-L-glutamate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991, 29, 451-456. | 2.4 | 13 |
| 132 | Cross-Linked PIM-1 Membranes with Improved Stability to Aromatics. <i>Key Engineering Materials</i> , 0, 869, 431-436. | 0.4 | 1 |