

# Peter Budd

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132  
papers

11,897  
citations

49  
h-index

108  
g-index

137  
ext. papers

13,104  
ext. citations

8.1  
avg, IF

6.6  
L-index

#	Paper	IF	Citations
132	Seeking synergy in membranes: blends and mixtures with polymers of intrinsic microporosity. <i>Current Opinion in Chemical Engineering</i> , <b>2022</b> , 36, 100792	5.4	0
131	Advanced methods for analysis of mixed gas diffusion in polymeric membranes. <i>Journal of Membrane Science</i> , <b>2022</b> , 648, 120356	9.6	1
130	Sieving gases with twisty polymers.. <i>Science</i> , <b>2022</b> , 375, 1354-1355	33.3	1
129	PIM-1/Holey Graphene Oxide Mixed Matrix Membranes for Gas Separation: Unveiling the Role of Holes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 55517-55533	9.5	5
128	Enhancing the organophilic separations with mixed matrix membranes of PIM-1 and bimetallic Zn/Co-ZIF filler. <i>Separation and Purification Technology</i> , <b>2021</b> , 120216	8.3	0
127	Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater (Adv. Mater. Technol. 10/2021). <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2170059 <sup>6.8</sup>	6.8	0
126	Ultraparpermeable Polymers of Intrinsic Microporosity Containing Spirocyclic Units with Fused Triptycenes. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104474	15.6	5
125	Influence of Polymer Topology on Gas Separation Membrane Performance of the Polymer of Intrinsic Microporosity PIM-Py. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3485-3495	4.3	1
124	Upgrading of raw biogas using membranes based on the ultraparpermeable polymer of intrinsic microporosity PIM-TMN-Trip. <i>Journal of Membrane Science</i> , <b>2021</b> , 618, 118694	9.6	7
123	Gas separation performance of MMMs containing (PIM-1)-functionalized GO derivatives. <i>Journal of Membrane Science</i> , <b>2021</b> , 623, 118902	9.6	18
122	Recovery of free volume in PIM-1 membranes through alcohol vapor treatment. <i>Frontiers of Chemical Science and Engineering</i> , <b>2021</b> , 15, 872-881	4.5	6
121	High-Flux Thin Film Composite PIM-1 Membranes for Butanol Recovery: Experimental Study and Process Simulations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42635-42649	9.5	5
120	2D boron nitride nanosheets in PIM-1 membranes for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Journal of Membrane Science</i> , <b>2021</b> , 636, 119527	9.6	14
119	Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2000955	6.8	26
118	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> , <b>2021</b> , 12,	3.8	4
117	Cross-Linked PIM-1 Membranes with Improved Stability to Aromatics. <i>Key Engineering Materials</i> , <b>2020</b> , 869, 431-436	0.4	0
116	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. <i>Computation</i> , <b>2020</b> , 8, 28	2.2	6

115	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> , <b>2020</b> , 10, 1310	2.6	6
114	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> , <b>2020</b> , 53, 569-583	5.5	24
113	Intrinsically Microporous Polymer Nanosheets for High-Performance Gas Separation Membranes. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900572	4.8	14
112	Correlating Gas Permeability and Young's Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 5381-5391	3.9	15
111	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> , <b>2020</b> , 8, 13827-13835	7.1	6
110	Optical Analysis of the Internal Void Structure in Polymer Membranes for Gas Separation. <i>Membranes</i> , <b>2020</b> , 10,	3.8	1
109	Boosting gas separation performance and suppressing the physical aging of polymers of intrinsic microporosity (PIM-1) by nanomaterial blending. <i>Nanoscale</i> , <b>2020</b> , 12, 23333-23370	7.7	37
108	Molecular Mobility of a Polymer of Intrinsic Microporosity Revealed by Quasielastic Neutron Scattering. <i>Macromolecules</i> , <b>2020</b> , 53, 6731-6739	5.5	5
107	Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax 1657 Composite Membranes and Their Gas Separation Performance. <i>Membranes</i> , <b>2020</b> , 10,	3.8	1
106	Mitigation of Physical Aging with Mixed Matrix Membranes Based on Cross-Linked PIM-1 Fillers and PIM-1. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 46756-46766	9.5	15
105	Graphene-PSS/L-DOPA nanocomposite cation exchange membranes for electro dialysis desalination. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 3108-3123	7.1	4
104	Superglassy Polymers to Treat Natural Gas by Hybrid Membrane/Amine Processes: Can Fillers Help?. <i>Membranes</i> , <b>2020</b> , 10,	3.8	4
103	Electrostatically-coupled graphene oxide nanocomposite cation exchange membrane. <i>Journal of Membrane Science</i> , <b>2020</b> , 594, 117457	9.6	13
102	Polymers of Intrinsic Microporosity and Their Potential in Process Intensification <b>2020</b> , 231-264		2
101	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> , <b>2020</b> , 594, 117460	9.6	21
100	The potential of polymers of intrinsic microporosity (PIMs) and PIM/graphene composites for pervaporation membranes. <i>BMC Chemical Engineering</i> , <b>2019</b> , 1,	3.5	10
99	Pervaporation and vapour permeation of methanol dimethyl carbonate mixtures through PIM-1 membranes. <i>Separation and Purification Technology</i> , <b>2019</b> , 217, 206-214	8.3	13
98	Synergistic enhancement of gas selectivity in thin film composite membranes of PIM-1. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6417-6430	13	32

97	The origin of size-selective gas transport through polymers of intrinsic microporosity. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 20121-20126	13	42
96	Effect of Backbone Rigidity on the Glass Transition of Polymers of Intrinsic Microporosity Probed by Fast Scanning Calorimetry. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1022-1028	6.6	21
95	Quantification of gas permeability of epoxy resin composites with graphene nanoplatelets. <i>Composites Science and Technology</i> , <b>2019</b> , 184, 107875	8.6	5
94	Designer Polymers Boost Cation Exchange. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 797-798	14.8	
93	Mixed matrix membranes based on MIL-101 metal-organic frameworks in polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , <b>2019</b> , 212, 545-554	8.3	31
92	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> , <b>2019</b> , 570-571, 522-536	9.6	20
91	Determination of Physical Properties and Crystallization Kinetics of Oil From Allantblackia Seeds and Shea Nuts Under Different Thermal Conditions. <i>European Journal of Lipid Science and Technology</i> , <b>2018</b> , 120, 1700156	3	4
90	First Clear-Cut Experimental Evidence of a Glass Transition in a Polymer with Intrinsic Microporosity: PIM-1. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2003-2008	6.4	44
89	Temperature and pressure dependence of gas permeation in amine-modified PIM-1. <i>Journal of Membrane Science</i> , <b>2018</b> , 555, 483-496	9.6	30
88	The unique calcium chelation property of poly(vinyl phosphonic acid-co-acrylic acid) and effects on osteogenesis in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 168-179	5.4	9
87	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> , <b>2018</b> , 106, 255-264	5.4	30
86	Ultrahigh-permeance PIM-1 based thin film nanocomposite membranes on PAN supports for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2018</b> , 564, 878-886	9.6	45
85	Review of nanomaterials-assisted ion exchange membranes for electromembrane desalination. <i>Npj Clean Water</i> , <b>2018</b> , 1,	11.2	53
84	Gas Permeation Properties, Physical Aging, and Its Mitigation in High Free Volume Glassy Polymers. <i>Chemical Reviews</i> , <b>2018</b> , 118, 5871-5911	68.1	268
83	Graphene/Polyamide Laminates for Supercritical CO <sub>2</sub> and H <sub>2</sub> S Barrier Applications: An Approach toward Permeation Shutdown. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800304	4.6	6
82	Gas Barriers: Graphene/Polyamide Laminates for Supercritical CO <sub>2</sub> and H <sub>2</sub> S Barrier Applications: An Approach toward Permeation Shutdown (Adv. Mater. Interfaces 15/2018). <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1870076	4.6	
81	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> , <b>2018</b> , 20, 1355-1363	3.6	12
80	Graphene oxide-polybenzimidazolium nanocomposite anion exchange membranes for electrodialysis. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24728-24739	13	65

79	Temperature Dependence of Gas Permeation and Diffusion in Triptycene-Based Ultraporous Polymers of Intrinsic Microporosity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 36475-36482	9.5	43
78	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> , <b>2018</b> , 565, 390-401	9.6	28
77	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> , <b>2018</b> , 6, 10507-10514	10.7	57
76	Impeded physical aging in PIM-1 membranes containing graphene-like fillers. <i>Journal of Membrane Science</i> , <b>2018</b> , 563, 513-520	9.6	44
75	Selective dye adsorption by chemically-modified and thermally-treated polymers of intrinsic microporosity. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 492, 81-91	9.3	67
74	Molecular mobility and gas transport properties of nanocomposites based on PIM-1 and polyhedral oligomeric phenethyl-silsesquioxanes (POSS). <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 274-285	9.6	20
73	High-flux PIM-1/PVDF thin film composite membranes for 1-butanol/water pervaporation. <i>Journal of Membrane Science</i> , <b>2017</b> , 529, 207-214	9.6	58
72	Enhanced organophilic separations with mixed matrix membranes of polymers of intrinsic microporosity and graphene-like fillers. <i>Journal of Membrane Science</i> , <b>2017</b> , 526, 437-449	9.6	41
71	1.9 Membranes Made of Polymers of Intrinsic Microporosity (PIMs) <b>2017</b> , 216-235		1
70	Environmentally benign and diastereoselective synthesis of 2,4,5-trisubstituted-2-imidazolines. <i>RSC Advances</i> , <b>2017</b> , 7, 53278-53289	3.7	7
69	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> , <b>2017</b> , 121, 67-75	4.6	42
68	Mixed matrix membranes based on UiO-66 MOFs in the polymer of intrinsic microporosity PIM-1. <i>Separation and Purification Technology</i> , <b>2017</b> , 173, 304-313	8.3	106
67	Synthesis and Transport Properties of Novel MOF/PIM-1/MOF Sandwich Membranes for Gas Separation. <i>Membranes</i> , <b>2017</b> , 7,	3.8	24
66	Enhanced gas separation factors of microporous polymer constrained in the channels of anodic alumina membranes. <i>Scientific Reports</i> , <b>2016</b> , 6, 31183	4.9	24
65	Synthesis and Characterization of Poly(vinylphosphonic acid-co-acrylic acid) Copolymers for Application in Bone Tissue Scaffolds. <i>Macromolecules</i> , <b>2016</b> , 49, 2656-2662	5.5	22
64	PIM-1 mixed matrix membranes for gas separations using cost-effective hypercrosslinked nanoparticle fillers. <i>Chemical Communications</i> , <b>2016</b> , 52, 5581-4	5.8	101
63	Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. <i>Carbon</i> , <b>2016</b> , 102, 357-366	10.4	28
62	The influence of few-layer graphene on the gas permeability of the high-free-volume polymer PIM-1. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	42

61	Molecular Mobility of the High Performance Membrane Polymer PIM-1 as Investigated by Dielectric Spectroscopy. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 528-532	6.6	26
60	Aging of polymers of intrinsic microporosity tracked by methanol vapour permeation. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 895-906	9.6	28
59	Highly monodisperse, lanthanide-containing polystyrene nanoparticles as potential standard reference materials for environmental BanoTate analysis. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	25
58	Hydroxyalkylaminoalkylamide PIMs: Selective Adsorption by Ethanolamine- and Diethanolamine-Modified PIM-1. <i>Macromolecules</i> , <b>2015</b> , 48, 5663-5669	5.5	55
57	Sustainable wastewater treatment and recycling in membrane manufacturing. <i>Green Chemistry</i> , <b>2015</b> , 17, 5196-5205	10	178
56	Polymerized high internal phase emulsion monoliths for the chromatographic separation of engineered nanoparticles. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	28
55	PIM-1/graphene composite: A combined experimental and molecular simulation study. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 209, 126-134	5.3	43
54	Study of glassy polymers fractional accessible volume (FAV) by extended method of hydrostatic weighing: Effect of porous structure on liquid transport. <i>Reactive and Functional Polymers</i> , <b>2015</b> , 86, 269-281	4.6	51
53	Enhancement of CO Affinity in a Polymer of Intrinsic Microporosity by Amine Modification. <i>Macromolecules</i> , <b>2014</b> , 47, 1021-1029	5.5	168
52	Base-catalysed hydrolysis of PIM-1: amide versus carboxylate formation. <i>RSC Advances</i> , <b>2014</b> , 4, 52189-52198	3.7	70
51	Thermally Rearrangeable PIM-Polyimides for Gas Separation Membranes. <i>Macromolecules</i> , <b>2014</b> , 47, 5595-5606	5.5	95
50	Physical aging of polymers of intrinsic microporosity: a SAXS/WAXS study. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 11742-11752	13	60
49	Mechanically robust thermally rearranged (TR) polymer membranes with spirobisindane for gas separation. <i>Journal of Membrane Science</i> , <b>2013</b> , 434, 137-147	9.6	143
48	Nanoporous organic polymer/cage composite membranes. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1253-6	16.4	221
47	Nanoporous Organic Polymer/Cage Composite Membranes. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1291-1294	3.6	52
46	New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. <i>Polymer</i> , <b>2013</b> , 54, 2222-2230	3.9	55
45	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> , <b>2013</b> , 427, 48-62	9.6	276
44	Solvent nanofiltration through high permeability glassy polymers: Effect of polymer and solute nature. <i>Journal of Membrane Science</i> , <b>2012</b> , 423-424, 65-72	9.6	102

43	Polymer of Intrinsic Microporosity Incorporating Thioamide Functionality: Preparation and Gas Transport Properties. <i>Macromolecules</i> , <b>2011</b> , 44, 6471-6479	5.5	189
42	Structural Characterization of a Polymer of Intrinsic Microporosity: X-ray Scattering with Interpretation Enhanced by Molecular Dynamics Simulations. <i>Macromolecules</i> , <b>2011</b> , 44, 14-16	5.5	63
41	Free Volume Investigation of Polymers of Intrinsic Microporosity (PIMs): PIM-1 and PIM1 Copolymers Incorporating Ethanoanthracene Units. <i>Macromolecules</i> , <b>2010</b> , 43, 6075-6084	5.5	90
40	Highly permeable polymers for gas separation membranes. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 63	4.9	279
39	Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. <i>Macromolecules</i> , <b>2010</b> , 43, 5287-5294	5.5	246
38	Exploitation of Intrinsic Microporosity in Polymer-Based Materials. <i>Macromolecules</i> , <b>2010</b> , 43, 5163-5176	5.5	669
37	Gas Permeation Parameters and Other Physicochemical Properties of a Polymer of Intrinsic Microporosity (PIM-1) <b>2010</b> , 29-42		9
36	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> , <b>2010</b> , 65, 521-531	2.4	5
35	Polymers of Intrinsic Microporosity <b>2009</b> ,		5
34	Synthesis, Characterization, and Gas Permeation Properties of a Novel Group of Polymers with Intrinsic Microporosity: PIM-Polyimides. <i>Macromolecules</i> , <b>2009</b> , 42, 7881-7888	5.5	224
33	Polymers of Intrinsic Microporosity Derived from Bis(phenazyl) Monomers. <i>Macromolecules</i> , <b>2008</b> , 41, 1640-1646	5.5	138
32	Catalysis by microporous phthalocyanine and porphyrin network polymers. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 573-578		229
31	Atomistic packing model and free volume distribution of a polymer with intrinsic microporosity (PIM-1). <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 84-99	9.6	192
30	High-performance membranes from polyimides with intrinsic microporosity. <i>Advanced Materials</i> , <b>2008</b> , 20, 2766-71	24	255
29	Gas permeation parameters and other physicochemical properties of a polymer of intrinsic microporosity: Polybenzodioxane PIM-1. <i>Journal of Membrane Science</i> , <b>2008</b> , 325, 851-860	9.6	410
28	A triptycene-based polymer of intrinsic microporosity that displays enhanced surface area and hydrogen adsorption. <i>Chemical Communications</i> , <b>2007</b> , 67-9	5.8	260
27	The potential of organic polymer-based hydrogen storage materials. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 1802-8	3.6	184
26	Microporous Polymers as Potential Hydrogen Storage Materials. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 995-1002	4.8	163

25	Unusual temperature dependence of the positron lifetime in a polymer of intrinsic microporosity. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2007</b> , 1, 190-192	2.5	29
24	Chemistry. Putting order into polymer networks. <i>Science</i> , <b>2007</b> , 316, 210-1	33.3	33
23	Towards polymer-based hydrogen storage materials: engineering ultramicroporous cavities within polymers of intrinsic microporosity. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1804-7	16.4	394
22	Towards Polymer-Based Hydrogen Storage Materials: Engineering Ultramicroporous Cavities within Polymers of Intrinsic Microporosity. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 1836-1839	3.6	68
21	Polymers of Intrinsic Microporosity (PIMs): High Free Volume Polymers for Membrane Applications. <i>Macromolecular Symposia</i> , <b>2006</b> , 245-246, 403-405	0.8	70
20	Polymers of intrinsic microporosity (PIMs): organic materials for membrane separations, heterogeneous catalysis and hydrogen storage. <i>Chemical Society Reviews</i> , <b>2006</b> , 35, 675-83	58.5	1376
19	Adsorption studies of a microporous phthalocyanine network polymer. <i>Langmuir</i> , <b>2006</b> , 22, 4225-9	4	97
18	Free volume and intrinsic microporosity in polymers. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 1977		321
17	Gas separation membranes from polymers of intrinsic microporosity. <i>Journal of Membrane Science</i> , <b>2005</b> , 251, 263-269	9.6	615
16	Polymers of intrinsic microporosity (PIMs): bridging the void between microporous and polymeric materials. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2610-20	4.8	411
15	Polymerization and carbonization of high internal phase emulsions. <i>Polymer International</i> , <b>2005</b> , 54, 297-303	3.9	51
14	Polymers of intrinsic microporosity (PIMs): robust, solution-processable, organic nanoporous materials. <i>Chemical Communications</i> , <b>2004</b> , 230-1	5.8	899
13	A nanoporous network polymer derived from hexaazatrinaphthylene with potential as an adsorbent and catalyst support. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2721-2726		116
12	Micelle properties of a dimethylamino- and a trimethylammonium-tipped oxyethyleneoxybutylene diblock copolymer in water. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 3968-3972	3.6	7
11	Electrophoresis of polymeric dyes in macroporous polymer. <i>Polymer Bulletin</i> , <b>2002</b> , 49, 33-37	2.4	3
10	Dimethylamino- and trimethylammonium-tipped oxyethyleneoxybutylene diblock copolymers and their use as structure-directing agents in the preparation of mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 2286-2291		22
9	Control of mesostructured silica particle morphology. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 951-957		95
8	Oxyethylene/oxybutylene block copolymers as structure-directing agents in the preparation of mesoporous silica. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2979-2984		31



7	Poly[oxymethylene- <i>l</i> iglo(oxyethylene)] for use in subambient temperature electrochromic devices. <i>Polymer International</i> , <b>2000</b> , 49, 371-376	3-3	19
6	Ordered Langmuir-Blodgett films derived from a mesogenic polymer amphiphile. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 2270-2273		3
5	Characterization of <i>Anacardium occidentale</i> exudate polysaccharide. <i>Polymer International</i> , <b>1998</b> , 45, 27-35	3-3	138
4	Characterization of <i>Anadenanthera macrocarpa</i> exudate polysaccharide. <i>Polymer International</i> , <b>1997</b> , 44, 55-60	3-3	17
3	Nuclear magnetic relaxation of $^{13}\text{C}$ nuclei of helical poly( <i>n</i> -hexyl-L-glutamate) and poly( <i>n</i> -benzyl-L-glutamate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>1991</b> , 29, 451-456	2.6	12
2	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> ,	13	14
1	Importance of small loops within PIM-1 topology on gas separation selectivity in thin film composite membranes. <i>Journal of Materials Chemistry A</i> ,	13	7