

Peter Budd

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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	Polymers of intrinsic microporosity (PIMs): organic materials for membrane separations, heterogeneous catalysis and hydrogen storage. <i>Chemical Society Reviews</i> , 2006 , 35, 675-83	58.5	1376
131	Polymers of intrinsic microporosity (PIMs): robust, solution-processable, organic nanoporous materials. <i>Chemical Communications</i> , 2004 , 230-1	5.8	899
130	Exploitation of Intrinsic Microporosity in Polymer-Based Materials. <i>Macromolecules</i> , 2010 , 43, 5163-5176	5.5	669
129	Gas separation membranes from polymers of intrinsic microporosity. <i>Journal of Membrane Science</i> , 2005 , 251, 263-269	9.6	615
128	Polymers of intrinsic microporosity (PIMs): bridging the void between microporous and polymeric materials. <i>Chemistry - A European Journal</i> , 2005 , 11, 2610-20	4.8	411
127	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	9.6	410
126	Towards polymer-based hydrogen storage materials: engineering ultramicroporous cavities within polymers of intrinsic microporosity. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1804-7	16.4	394
125	Free volume and intrinsic microporosity in polymers. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1977		321
124	Highly permeable polymers for gas separation membranes. <i>Polymer Chemistry</i> , 2010 , 1, 63	4.9	279
123	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	9.6	276
122	Gas Permeation Properties, Physical Aging, and Its Mitigation in High Free Volume Glassy Polymers. <i>Chemical Reviews</i> , 2018 , 118, 5871-5911	68.1	268
121	A triptycene-based polymer of intrinsic microporosity that displays enhanced surface area and hydrogen adsorption. <i>Chemical Communications</i> , 2007 , 67-9	5.8	260
120	High-performance membranes from polyimides with intrinsic microporosity. <i>Advanced Materials</i> , 2008 , 20, 2766-71	24	255
119	Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. <i>Macromolecules</i> , 2010 , 43, 5287-5294	5.5	246
118	Catalysis by microporous phthalocyanine and porphyrin network polymers. <i>Journal of Materials Chemistry</i> , 2008 , 18, 573-578		229
117	Synthesis, Characterization, and Gas Permeation Properties of a Novel Group of Polymers with Intrinsic Microporosity: PIM-Polyimides. <i>Macromolecules</i> , 2009 , 42, 7881-7888	5.5	224
116	Nanoporous organic polymer/cage composite membranes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1253-6	16.4	221

115	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	9.6	192
114	Polymer of Intrinsic Microporosity Incorporating Thioamide Functionality: Preparation and Gas Transport Properties. <i>Macromolecules</i> , 2011 , 44, 6471-6479	5.5	189
113	The potential of organic polymer-based hydrogen storage materials. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1802-8	3.6	184
112	Sustainable wastewater treatment and recycling in membrane manufacturing. <i>Green Chemistry</i> , 2015 , 17, 5196-5205	10	178
111	Enhancement of CO Affinity in a Polymer of Intrinsic Microporosity by Amine Modification. <i>Macromolecules</i> , 2014 , 47, 1021-1029	5.5	168
110	Microporous Polymers as Potential Hydrogen Storage Materials. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 995-1002	4.8	163
109	Mechanically robust thermally rearranged (TR) polymer membranes with spirobisindane for gas separation. <i>Journal of Membrane Science</i> , 2013 , 434, 137-147	9.6	143
108	Characterization of Anacardium occidentale exudate polysaccharide. <i>Polymer International</i> , 1998 , 45, 27-35	3.3	138
107	Polymers of Intrinsic Microporosity Derived from Bis(phenazyl) Monomers. <i>Macromolecules</i> , 2008 , 41, 1640-1646	5.5	138
106	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		116
105	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	8.3	106
104	Solvent nanofiltration through high permeability glassy polymers: Effect of polymer and solute nature. <i>Journal of Membrane Science</i> , 2012 , 423-424, 65-72	9.6	102
103	PIM-1 mixed matrix membranes for gas separations using cost-effective hypercrosslinked nanoparticle fillers. <i>Chemical Communications</i> , 2016 , 52, 5581-4	5.8	101
102	Adsorption studies of a microporous phthalocyanine network polymer. <i>Langmuir</i> , 2006 , 22, 4225-9	4	97
101	Thermally Rearrangeable PIM-Polyimides for Gas Separation Membranes. <i>Macromolecules</i> , 2014 , 47, 5595-5606	5.5	95
100	Control of mesostructured silica particle morphology. <i>Journal of Materials Chemistry</i> , 2001 , 11, 951-957		95
99	Free Volume Investigation of Polymers of Intrinsic Microporosity (PIMs): PIM-1 and PIM1 Copolymers Incorporating Ethanoanthracene Units. <i>Macromolecules</i> , 2010 , 43, 6075-6084	5.5	90
98	Base-catalysed hydrolysis of PIM-1: amide versus carboxylate formation. <i>RSC Advances</i> , 2014 , 4, 52189-52198	3.7	70

97	Polymers of Intrinsic Microporosity (PIMs): High Free Volume Polymers for Membrane Applications. <i>Macromolecular Symposia</i> , 2006 , 245-246, 403-405	0.8	70
96	Towards Polymer-Based Hydrogen Storage Materials: Engineering Ultramicroporous Cavities within Polymers of Intrinsic Microporosity. <i>Angewandte Chemie</i> , 2006 , 118, 1836-1839	3.6	68
95	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	9.3	67
94	Graphene oxide-polybenzimidazolium nanocomposite anion exchange membranes for electro dialysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24728-24739	13	65
93	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	5.5	63
92	Physical aging of polymers of intrinsic microporosity: a SAXS/WAXS study. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11742-11752	13	60
91	High-flux PIM-1/PVDF thin film composite membranes for 1-butanol/water pervaporation. <i>Journal of Membrane Science</i> , 2017 , 529, 207-214	9.6	58
90	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	13	57
89	Hydroxyalkylaminoalkylamide PIMs: Selective Adsorption by Ethanolamine- and Diethanolamine-Modified PIM-1. <i>Macromolecules</i> , 2015 , 48, 5663-5669	5.5	55
88	New organophilic mixed matrix membranes derived from a polymer of intrinsic microporosity and silicalite-1. <i>Polymer</i> , 2013 , 54, 2222-2230	3.9	55
87	Review of nanomaterials-assisted ion exchange membranes for electromembrane desalination. <i>Npj Clean Water</i> , 2018 , 1,	11.2	53
86	Nanoporous Organic Polymer/Cage Composite Membranes. <i>Angewandte Chemie</i> , 2013 , 125, 1291-1294	3.6	52
85	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> , 2015 , 86, 269-281	4.6	51
84	Polymerization and carbonization of high internal phase emulsions. <i>Polymer International</i> , 2005 , 54, 297-303	3.9	51
83	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	9.6	45
82	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	6.4	44
81	Impeded physical aging in PIM-1 membranes containing graphene-like fillers. <i>Journal of Membrane Science</i> , 2018 , 563, 513-520	9.6	44
80	PIM-1/graphene composite: A combined experimental and molecular simulation study. <i>Microporous and Mesoporous Materials</i> , 2015 , 209, 126-134	5.3	43

79	Temperature Dependence of Gas Permeation and Diffusion in Triptycene-Based Ultraporous Polymers of Intrinsic Microporosity. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36475-36482	9.5	43
78	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> , 2016 , 374,	3	42
77	The origin of size-selective gas transport through polymers of intrinsic microporosity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20121-20126	13	42
76	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	4.6	42
75	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	9.6	41
74	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	7.7	37
73	Chemistry. Putting order into polymer networks. <i>Science</i> , 2007 , 316, 210-1	33.3	33
72	Synergistic enhancement of gas selectivity in thin film composite membranes of PIM-1. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6417-6430	13	32
71	Oxyethylene/oxybutylene block copolymers as structure-directing agents in the preparation of mesoporous silica. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2979-2984		31
70	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	8.3	31
69	Temperature and pressure dependence of gas permeation in amine-modified PIM-1. <i>Journal of Membrane Science</i> , 2018 , 555, 483-496	9.6	30
68	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	5.4	30
67	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	2.5	29
66	Polymerized high internal phase emulsion monoliths for the chromatographic separation of engineered nanoparticles. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	28
65	Synthesis and characterization of composite membranes made of graphene and polymers of intrinsic microporosity. <i>Carbon</i> , 2016 , 102, 357-366	10.4	28
64	Aging of polymers of intrinsic microporosity tracked by methanol vapour permeation. <i>Journal of Membrane Science</i> , 2016 , 520, 895-906	9.6	28
63	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	9.6	28
62	Molecular Mobility of the High Performance Membrane Polymer PIM-1 as Investigated by Dielectric Spectroscopy. <i>ACS Macro Letters</i> , 2016 , 5, 528-532	6.6	26

61	Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000955	6.8	26
60	Highly monodisperse, lanthanide-containing polystyrene nanoparticles as potential standard reference materials for environmental BanoTate analysis. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	25
59	Enhanced gas separation factors of microporous polymer constrained in the channels of anodic alumina membranes. <i>Scientific Reports</i> , 2016 , 6, 31183	4.9	24
58	Synthesis and Transport Properties of Novel MOF/PIM-1/MOF Sandwich Membranes for Gas Separation. <i>Membranes</i> , 2017 , 7,	3.8	24
57	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	5.5	24
56	Synthesis and Characterization of Poly(vinylphosphonic acid-co-acrylic acid) Copolymers for Application in Bone Tissue Scaffolds. <i>Macromolecules</i> , 2016 , 49, 2656-2662	5.5	22
55	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> , 2002 , 12, 2286-2291		22
54	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	6.6	21
53	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	9.6	21
52	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	9.6	20
51	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	9.6	20
50	Poly[oxymethylene]ligo(oxyethylene)] for use in subambient temperature electrochromic devices. <i>Polymer International</i> , 2000 , 49, 371-376	3.3	19
49	Gas separation performance of MMMs containing (PIM-1)-functionalized GO derivatives. <i>Journal of Membrane Science</i> , 2021 , 623, 118902	9.6	18
48	Characterization of Anadenanthera macrocarpa exudate polysaccharide. <i>Polymer International</i> , 1997 , 44, 55-60	3.3	17
47	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	3.9	15
46	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	9.5	15
45	Intrinsically Microporous Polymer Nanosheets for High-Performance Gas Separation Membranes. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e1900572	4.8	14
44	Bridging the interfacial gap in mixed-matrix membranes by nature-inspired design: precise molecular sieving with polymer-grafted metalorganic frameworks. <i>Journal of Materials Chemistry A</i> ,	13	14

43	2D boron nitride nanosheets in PIM-1 membranes for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2021 , 636, 119527	9.6	14
42	Pervaporation and vapour permeation of methanol/dimethyl carbonate mixtures through PIM-1 membranes. <i>Separation and Purification Technology</i> , 2019 , 217, 206-214	8.3	13
41	Electrostatically-coupled graphene oxide nanocomposite cation exchange membrane. <i>Journal of Membrane Science</i> , 2020 , 594, 117457	9.6	13
40	Nuclear magnetic relaxation of ¹³ C nuclei of helical poly(ϵ -hexyl-L-glutamate) and poly(ϵ -benzyl-L-glutamate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991 , 29, 451-456	2.6	12
39	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	3.6	12
38	The potential of polymers of intrinsic microporosity (PIMs) and PIM/graphene composites for pervaporation membranes. <i>BMC Chemical Engineering</i> , 2019 , 1,	3.5	10
37	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> , 2018 , 106, 168-179	5.4	9
36	Gas Permeation Parameters and Other Physicochemical Properties of a Polymer of Intrinsic Microporosity (PIM-1) 2010 , 29-42		9
35	Environmentally benign and diastereoselective synthesis of 2,4,5-trisubstituted-2-imidazolines. <i>RSC Advances</i> , 2017 , 7, 53278-53289	3.7	7
34	Micelle properties of a dimethylamino- and a trimethylammonium-tipped oxyethylene α -xybutylene diblock copolymer in water. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3968-3972	3.6	7
33	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	9.6	7
32	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
31	Gas Transport in Mixed Matrix Membranes: Two Methods for Time Lag Determination. <i>Computation</i> , 2020 , 8, 28	2.2	6
30	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	4.6	6
29	Glassy PEEK-WC vs. Rubbery Pebax α 1657 Polymers: Effect on the Gas Transport in CuNi-MOF Based Mixed Matrix Membranes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1310	2.6	6
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	7.1	6
27	Recovery of free volume in PIM-1 membranes through alcohol vapor treatment. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 872-881	4.5	6
26	Quantification of gas permeability of epoxy resin composites with graphene nanoplatelets. <i>Composites Science and Technology</i> , 2019 , 184, 107875	8.6	5

25	Polymers of Intrinsic Microporosity 2009 ,		5
24	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	2.4	5
23	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	9.5	5
22	Molecular Mobility of a Polymer of Intrinsic Microporosity Revealed by Quasielastic Neutron Scattering. <i>Macromolecules</i> , 2020 , 53, 6731-6739	5.5	5
21	Ultrapermearable Polymers of Intrinsic Microporosity Containing Spirocyclic Units with Fused Triptycenes. <i>Advanced Functional Materials</i> , 2021 , 31, 2104474	15.6	5
20	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	9.5	5
19	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	3	4
18	Graphene-PSS/L-DOPA nanocomposite cation exchange membranes for electro dialysis desalination. <i>Environmental Science: Nano</i> , 2020 , 7, 3108-3123	7.1	4
17	Superglassy Polymers to Treat Natural Gas by Hybrid Membrane/Amine Processes: Can Fillers Help?. <i>Membranes</i> , 2020 , 10,	3.8	4
16	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> , 2021 , 12,	3.8	4
15	Electrophoresis of polymeric dyes in macroporous polymer. <i>Polymer Bulletin</i> , 2002 , 49, 33-37	2.4	3
14	Ordered Langmuir-Blodgett films derived from a mesogenic polymer amphiphile. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2270-2273		3
13	Polymers of Intrinsic Microporosity and Their Potential in Process Intensification 2020 , 231-264		2
12	1.9 Membranes Made of Polymers of Intrinsic Microporosity (PIMs) 2017 , 216-235		1
11	Advanced methods for analysis of mixed gas diffusion in polymeric membranes. <i>Journal of Membrane Science</i> , 2022 , 648, 120356	9.6	1
10	Optical Analysis of the Internal Void Structure in Polymer Membranes for Gas Separation. <i>Membranes</i> , 2020 , 10,	3.8	1
9	Poly[3-ethyl-1-vinyl-imidazolium] diethyl phosphate/Pebax 1657 Composite Membranes and Their Gas Separation Performance. <i>Membranes</i> , 2020 , 10,	3.8	1
8	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	4.3	1

7	Sieving gases with twisty polymers.. <i>Science</i> , 2022 , 375, 1354-1355	33.3	1
6	Cross-Linked PIM-1 Membranes with Improved Stability to Aromatics. <i>Key Engineering Materials</i> , 2020 , 869, 431-436	0.4	0
5	Seeking synergy in membranes: blends and mixtures with polymers of intrinsic microporosity. <i>Current Opinion in Chemical Engineering</i> , 2022 , 36, 100792	5.4	0
4	Enhancing the organophilic separations with mixed matrix membranes of PIM-1 and bimetallic Zn/Co-ZIF filler. <i>Separation and Purification Technology</i> , 2021 , 120216	8.3	0
3	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	4.6	
2	Electrospun Adsorptive Nanofibrous Membranes from Ion Exchange Polymers to Snare Textile Dyes from Wastewater (Adv. Mater. Technol. 10/2021). <i>Advanced Materials Technologies</i> , 2021 , 6, 2170059	6.8	
1	Designer Polymers Boost Cation Exchange. <i>Trends in Chemistry</i> , 2019 , 1, 797-798	14.8	