Neil B Mckeown

List of PR Articles by Year
in descending order

235 PR articles	18,570 PR citations	9874 63 PR h-index	8254 132 g-index
256 documents	23698 doc citations	9181 70 h-index	11292 citing authors

#	Article	IF	PR Citations
1	Polymer of Intrinsic Microporosity as Binders for both Acidic and Alkaline Oxygen Reduction Electrocatalysis. ChemElectroChem, 2024, 11, .	2.9	2
2	Molecular Structure Effects on Ionic Diode Performance in Desalination: Ultrahigh Rectification in Butylated Intrinsically Microporous Polyamine (PIMâ€EAâ€TB). ChemElectroChem, 2024, 11, .	2.9	2
3	Immobilisation of benzo[<i>c</i>][1,2,5]thiadiazole (BTZ) within polymers of intrinsic microporosity (PIMs) for use in flow photochemistry. Journal of Materials Chemistry A, 2024, 12, 10932-10941.	9.3	2
4	Microscopic molecular mobility of high-performance polymers of intrinsic microporosity revealed by neutron scattering â€“ bend fluctuations and signature of methyl group rotation. Soft Matter, 2024, 20, 5153-5163.	2.7	0
5	Rapid and Precise Molecular Nanofiltration Using Ultraâ€Thinâ€Film Membranes Derived from 6,6â€²â€Dihydroxyâ€2,2â€²â€biphenyldiamine. Advanced Functional Materials, 2024, 34, .	17.0	25
6	Triphasic Oxygen Storage in Wet Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) on Platinum: An Electrochemical Investigation. ACS Applied Materials & Interfaces, 2024, 16, 37865-37873.	8.0	10
7	Molecularly rigid porous polyamine host enhances barium titanate catalysed H₂O₂ generation. New Journal of Chemistry, 2024, 48, 16261-16268.	2.4	3
8	Triptycene-like naphthopleiadene as a readily accessible scaffold for supramolecular and materials chemistry. Chemical Science, 2024, 15, 14968-14976.	7.1	3
9	Ligand effects on gas adsorption in nanoporous phthalocyanine crystals. Chemical Communications, 2024, 60, 11508-11511.	3.4	2
10	The CF₃TMS adduct of anthraquinone as a monomer for making polymers with potential as separation membranes. Polymer Chemistry, 2024, 15, 4312-4318.	3.9	0
11	Dibenzomethanopentaceneâ€Based Polymers of Intrinsic Microporosity for Use in Gasâ€Separation Membranes. Angewandte Chemie - International Edition, 2023, 62, .	14.4	22
12	Dibenzomethanopentaceneâ€Based Polymers of Intrinsic Microporosity for Use in Gasâ€Separation Membranes. Angewandte Chemie, 2023, 135, .	1.4	4
13	Ionâ€Selective Microporous Polymer Membranes with Hydrogenâ€Bond and Saltâ€Bridge Networks for Aqueous Organic Redox Flow Batteries. Advanced Materials, 2023, 35, .	24.5	56
14	Near-frictionless ion transport within triazine framework membranes. Nature, 2023, 617, 299-305.	38.7	303
15	Nanophase-photocatalysis: loading, storing, and release of H₂O₂ using graphitic carbon nitride. Chemical Communications, 2023, 59, 7423-7426.	3.4	6
16	Tuning and Coupling Irreversible Electroosmotic Water Flow in Ionic Diodes: Methylation of an Intrinsically Microporous Polyamine (PIM-EA-TB). ACS Applied Materials & Interfaces, 2023, 15, 42369-42377.	8.0	6
17	Enhancement of performance and stability of thin-film nanocomposite membranes for organic solvent nanofiltration using hypercrosslinked polymer additives. Journal of Membrane Science, 2022, 644, 120172.	8.4	31
18	The structure-property relationships of Polymers of Intrinsic Microporosity (PIMs). Current Opinion in Chemical Engineering, 2022, 36, 100785.	6.5	41

#	Article	IF	PR Citations
19	Advanced methods for analysis of mixed gas diffusion in polymeric membranes. Journal of Membrane Science, 2022, 648, 120356.	8.4	27
20	Effects of g-C₃N₄ Heterogenization into Intrinsically Microporous Polymers on the Photocatalytic Generation of Hydrogen Peroxide. ACS Applied Materials & Interfaces, 2022, 14, 19938-19948.	8.0	38
21	Development of efficient aqueous organic redox flow batteries using ion-sieving sulfonated polymer membranes. Nature Communications, 2022, 13, .	13.9	156
22	Longâ€Life Aqueous Organic Redox Flow Batteries Enabled by Amidoximeâ€Functionalized Ionâ€Selective Polymer Membranes. Angewandte Chemie, 2022, 134, .	1.4	18
23	Longâ€Life Aqueous Organic Redox Flow Batteries Enabled by Amidoximeâ€Functionalized Ionâ€Selective Polymer Membranes. Angewandte Chemie - International Edition, 2022, 61, .	14.4	69
24	2,2â€²â€Biphenolâ€based Ultrathin Microporous Nanofilms for Highly Efficient Molecular Sieving Separation. Angewandte Chemie - International Edition, 2022, 61, .	14.4	58
25	2,2â€²â€Biphenolâ€based Ultrathin Microporous Nanofilms for Highly Efficient Molecular Sieving Separation. Angewandte Chemie, 2022, 134, .	1.4	8
26	Solution-Processable Redox-Active Polymers of Intrinsic Microporosity for Electrochemical Energy Storage. Journal of the American Chemical Society, 2022, 144, 17198-17208.	15.0	53
27	Upgrading of raw biogas using membranes based on the ultrapermeable polymer of intrinsic microporosity PIM-TMN-Trip. Journal of Membrane Science, 2021, 618, 118694.	8.4	29
28	Optimization of the fabrication of amidoxime modified PIM-1 electrospun fibres for use as breathable and reactive materials. Polymer, 2021, 213, 123205.	4.2	19
29	Control Over the Morphology of Electrospun Microfibrous Mats of a Polymer of Intrinsic Microporosity. Membranes, 2021, 11, 422.	3.3	8
30	Ionic Diode and Molecular Pump Phenomena Associated with Caffeic Acid Accumulated into an Intrinsically Microporous Polyamine (PIMâ€EAâ€TB). ChemElectroChem, 2021, 8, 2044-2051.	2.9	10
31	Imputation of missing gas permeability data for polymer membranes using machine learning. Journal of Membrane Science, 2021, 627, 119207.	8.4	71
32	Ultrapermeable Polymers of Intrinsic Microporosity Containing Spirocyclic Units with Fused Triptycenes. Advanced Functional Materials, 2021, 31, .	17.0	55
33	Sizeâ€Selective Photoelectrochemical Reactions in Microporous Environments: Clark Probe Investigation of Pt@gâ€C₃N₄ Embedded into Intrinsically Microporous Polymer (PIMâ€1). ChemElectroChem, 2021, 8, 3499-3505.	2.9	11
34	Non-enzymatic electrochemical cholesterol sensor based on strong host-guest interactions with a polymer of intrinsic microporosity (PIM) with DFT study. Analytical and Bioanalytical Chemistry, 2021, 413, 6523-6533.	3.5	11
35	Effective electroosmotic transport of water in an intrinsically microporous polyamine (PIM-EA-TB). Electrochemistry Communications, 2021, 130, 107110.	3.9	6
36	Shuttle-effect-free sodiumâ€"sulfur batteries derived from a TrÃ¶ger's base polymer of intrinsic microporosity. Journal of Power Sources, 2021, 513, 230539.	7.9	8

#	Article	IF	PR Citations
37	Catechin or quercetin guests in an intrinsically microporous polyamine (PIM-EA-TB) host: accumulation, reactivity, and release. RSC Advances, 2021, 11, 27432-27442.	4.4	4
38	Synthesis and gas permeation properties of tetraoxidethianthrene-based polymers of intrinsic microporosity. Journal of Materials Chemistry A, 2021, 9, 2840-2849.	9.3	26
39	Hydrogen Peroxide Versus Hydrogen Generation at Bipolar Pd/Au Nano-catalysts Grown into an Intrinsically Microporous Polyamine (PIM-EA-TB). Electrocatalysis, 2021, 12, 771-784.	2.6	5
40	Low Frequency Vibrations and Diffusion in Disordered Polymers Bearing an Intrinsic Microporosity as Revealed by Neutron Scattering. Crystals, 2021, 11, 1482.	2.2	5
41	Intrinsically Microporous Polymer Nanosheets for Highâ€Performance Gas Separation Membranes. Macromolecular Rapid Communications, 2020, 41, .	4.1	29
42	Correlating Gas Permeability and Youngâ€™s Modulus during the Physical Aging of Polymers of Intrinsic Microporosity Using Atomic Force Microscopy. Industrial & Engineering Chemistry Research, 2020, 59, 5381-5391.	3.9	41
43	Tailoring molecular interactions between microporous polymers in high performance mixed matrix membranes for gas separations. Nanoscale, 2020, 12, 17405-17410.	5.0	26
44	Hierarchically structured carbon electrodes derived from intrinsically microporous TrÃ¶gerâ€™s base polymers for high-performance supercapacitors. Applied Surface Science, 2020, 530, 147146.	6.7	18
45	Polymer of intrinsic microporosity (PIM) films and membranes in electrochemical energy storage and conversion: A mini-review. Electrochemistry Communications, 2020, 118, 106798.	3.9	77
46	Mitigation of Physical Aging with Mixed Matrix Membranes Based on Cross-Linked PIM-1 Fillers and PIM-1. ACS Applied Materials & Interfaces, 2020, 12, 46756-46766.	8.0	77
47	Photoelectroanalytical Oxygen Detection with Titanate Nanosheet â€" Platinum Hybrids Immobilised into a Polymer of Intrinsic Microporosity (PIMâ€1). Electroanalysis, 2020, 32, 2756-2763.	2.3	6
48	Indirect photo-electrochemical detection of carbohydrates with Pt@g-C3N4 immobilised into a polymer of intrinsic microporosity (PIM-1) and attached to a palladium hydrogen capture membrane. Bioelectrochemistry, 2020, 134, 107499.	4.4	16
49	Sulfonated Microporous Polymer Membranes with Fast and Selective Ion Transport for Electrochemical Energy Conversion and Storage. Angewandte Chemie, 2020, 132, 9651-9660.	1.4	22
50	Acidâ€"Base Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. Angewandte Chemie - International Edition, 2020, 59, 10918-10923.	14.4	64
51	Acidâ€"Base Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. Angewandte Chemie, 2020, 132, 11010-11015.	1.4	6
52	Flue gas purification with membranes based on the polymer of intrinsic microporosity PIM-TMN-Trip. Separation and Purification Technology, 2020, 242, 116814.	8.8	16
53	Sulfonated Microporous Polymer Membranes with Fast and Selective Ion Transport for Electrochemical Energy Conversion and Storage. Angewandte Chemie - International Edition, 2020, 59, 9564-9573.	14.4	254
54	Polymers of Intrinsic Microporosity (PIMs). Polymer, 2020, 202, 122736.	4.2	178

#	Article	IF	PR Citations
55	Organic Molecules of Intrinsic Microporosity. Organic Materials, 2020, 02, 020-025.	2.0	12
56	Polymers with intrinsic microporosity (PIMs) for targeted CO2 reduction to ethylene. Chemosphere, 2020, 248, 125993.	8.3	39
57	The immobilisation and reactivity of Fe(CN)63âˆ’/4âˆ’ in an intrinsically microporous polyamine (PIM-EA-TB). Journal of Solid State Electrochemistry, 2020, 24, 2797-2806.	2.3	22
58	Effect of Bridgehead Methyl Substituents on the Gas Permeability of TrÃ¶gerâ€™s-Base Derived Polymers of Intrinsic Microporosity. Membranes, 2020, 10, 62.	3.3	27
59	Auto-fluorescent PAMAM-based dendritic molecules and their potential application in pharmaceutical sciences. International Journal of Pharmaceutics, 2020, 579, 119187.	4.8	5
60	The origin of size-selective gas transport through polymers of intrinsic microporosity. Journal of Materials Chemistry A, 2019, 7, 20121-20126.	9.3	88
61	Effect of Backbone Rigidity on the Glass Transition of Polymers of Intrinsic Microporosity Probed by Fast Scanning Calorimetry. ACS Macro Letters, 2019, 8, 1022-1028.	5.0	51
62	Charge Transfer Hybrids of Graphene Oxide and the Intrinsically Microporous Polymer PIM-1. ACS Applied Materials & Interfaces, 2019, 11, 31191-31199.	8.0	12
63	Redefining the Robeson upper bounds for CO₂/CH₄ and CO₂/N₂ separations using a series of ultrapermeable benzotriptycene-based polymers of intrinsic microporosity. Energy and Environmental Science, 2019, 12, 2733-2740.	30.9	847
64	An Interfacial Layer Based on Polymers of Intrinsic Microporosity to Suppress Dendrite Growth on Li Metal Anodes. Chemistry - A European Journal, 2019, 25, 12052-12057.	3.4	28
65	Polymers of Intrinsic Microporosity in Triphasic Electrochemistry: Perspectives. ChemElectroChem, 2019, 6, 4332-4342.	2.9	34
66	Polymer engineering by blending PIM-1 and 6FDA-DAM for ZIF-8 containing mixed matrix membranes applied to CO2 separations. Separation and Purification Technology, 2019, 224, 456-462.	8.8	58
67	Highly stable fullerene-based porous molecular crystals with open metal sites. Nature Materials, 2019, 18, 740-745.	35.2	28
68	Photoelectrochemistry of immobilised Pt@g-C3N4 mediated by hydrogen and enhanced by a polymer of intrinsic microporosity PIM-1. Electrochemistry Communications, 2019, 103, 1-6.	3.9	26
69	A bio-inspired O2-tolerant catalytic CO2 reduction electrode. Science Bulletin, 2019, 64, 1890-1895.	9.6	101
70	Highly Permeable MatrimidÂ®/PIM-EA(H2)-TB Blend Membrane for Gas Separation. Polymers, 2019, 11, 46.	4.6	44
71	Highly active manganese porphyrin-based microporous network polymers for selective oxidation reactions. Journal of Catalysis, 2019, 369, 133-142.	6.5	37
72	Polymer of Intrinsic Microporosity (PIMâ€7) Coating Affects Triphasic Palladium Electrocatalysis. ChemElectroChem, 2019, 6, 4307-4317.	2.9	17

#	Article	IF	PR Citations
73	Gas sorption in polymers of intrinsic microporosity: The difference between solubility coefficients determined via time-lag and direct sorption experiments. Journal of Membrane Science, 2019, 570-571, 522-536.	8.4	39
74	The fabrication of ultrathin films and their gas separation performance from polymers of intrinsic microporosity with two-dimensional (2D) and three-dimensional (3D) chain conformations. Journal of Colloid and Interface Science, 2019, 536, 474-482.	9.9	21
75	Thin film composite membranes based on a polymer of intrinsic microporosity derived from TrÃ¶ger's base: A combined experimental and computational investigation of the role of residual casting solvent. Journal of Membrane Science, 2019, 569, 17-31.	8.4	31
76	Triphasic Nature of Polymers of Intrinsic Microporosity Induces Storage and Catalysis Effects in Hydrogen and Oxygen Reactivity at Electrode Surfaces. ChemElectroChem, 2019, 6, 252-259.	2.9	40
77	Hydrophilic microporous membranes for selective ion separation and flow-battery energy storage. Nature Materials, 2019, 19, 195-202.	35.2	439
78	Innovative methods in electrochemistry based on polymers of intrinsic microporosity. Current Opinion in Electrochemistry, 2018, 10, 61-66.	4.3	28
79	A highly rigid and gas selective methanopentacene-based polymer of intrinsic microporosity derived from TrÃ¶ger's base polymerization. Journal of Materials Chemistry A, 2018, 6, 5661-5667.	9.3	116
80	Linking the Cu(II/I) potential to the onset of dynamic phenomena at corroding copper microelectrodes immersed in aqueous 0.5â€¯M NaCl. Electrochimica Acta, 2018, 260, 348-357.	5.3	9
81	One-step preparation of microporous Pd@cPIM composite catalyst film for triphasic electrocatalysis. Electrochemistry Communications, 2018, 86, 17-20.	3.9	17
82	Hydrogen Separation at High Temperature with Dense and Asymmetric Membranes Based on PIM-EA(H₂)-TB/PBI Blends. Industrial & Engineering Chemistry Research, 2018, 57, 16909-16916.	3.9	36
83	Temperature and Pressure Dependence of Gas Permeation in a Microporous TrÃ¶gerâ€™s Base Polymer. Membranes, 2018, 8, 132.	3.3	67
84	A Novel Time Lag Method for the Analysis of Mixed Gas Diffusion in Polymeric Membranes by On-Line Mass Spectrometry: Pressure Dependence of Transport Parameters. Membranes, 2018, 8, 73.	3.3	38
85	Temperature Dependence of Gas Permeation and Diffusion in Triptycene-Based Ultrapermeable Polymers of Intrinsic Microporosity. ACS Applied Materials & Interfaces, 2018, 10, 36475-36482.	8.0	74
86	The synthesis, chain-packing simulation and long-term gas permeability of highly selective spirobifluorene-based polymers of intrinsic microporosity. Journal of Materials Chemistry A, 2018, 6, 10507-10514.	9.3	119
87	Towards High Performance Metalâ€“Organic Frameworkâ€“Microporous Polymer Mixed Matrix Membranes: Addressing Compatibility and Limiting Aging by Polymer Doping. Chemistry - A European Journal, 2018, 24, 12796-12800.	3.4	31
88	Platinum Nanoparticle Inclusion into a Carbonized Polymer of Intrinsic Microporosity: Electrochemical Characteristics of a Catalyst for Electroless Hydrogen Peroxide Production. Nanomaterials, 2018, 8, 542.	4.0	10
89	Gas Permeation Properties, Physical Aging, and Its Mitigation in High Free Volume Glassy Polymers. Chemical Reviews, 2018, 118, 5871-5911.	52.7	576
90	Biphasic Voltammetry and Spectroelectrochemistry in Polymer of Intrinsic Microporosityâ€”4-(3-Phenylpropyl)-Pyridine Organogel/Aqueous Electrolyte Systems: Reactivity of MnPc Versus MnTPP. Electrocatalysis, 2018, 10, 295-304.	2.6	5

#	Article	IF	PR Citations
91	Ionic Diodes Based on Regenerated Î±â€Cellulose Films Deposited Asymmetrically onto a Microhole. ChemistrySelect, 2017, 2, 871-875.	1.7	8
92	Polymers of Intrinsic Microporosity derived from a carbocyclic analogue of TrÃ¶ger's base. Polymer, 2017, 126, 324-329.	4.2	14
93	A porphyrin-based microporous network polymer that acts as an efficient catalyst for cyclooctene and cyclohexane oxidation under mild conditions. Catalysis Communications, 2017, 99, 100-104.	4.5	31
94	Redox reactivity at silver microparticleâ€"glassy carbon contacts under a coating of polymer of intrinsic microporosity (PIM). Journal of Solid State Electrochemistry, 2017, 21, 2141-2146.	2.3	13
95	A Cationic Diode Based on Asymmetric Nafion Film Deposits. ACS Applied Materials & Interfaces, 2017, 9, 11272-11278.	8.0	48
96	Ultrathin Composite Polymeric Membranes for CO₂/N₂ Separation with Minimum Thickness and High CO₂ Permeance. ChemSusChem, 2017, 10, 4014-4017.	6.2	45
97	The synthesis of polymers of intrinsic microporosity (PIMs). Science China Chemistry, 2017, 60, 1023-1032.	8.3	173
98	Ionic Diode Characteristics at a Polymer of Intrinsic Microporosity (PIM) | Nafion â€œHeterojunctionâ€• Deposit on a Microhole Poly(ethyleneâ€terephthalate) Substrate. Electroanalysis, 2017, 29, 2217-2223.	2.3	12
99	Polymer ultrapermeability from the inefficient packing of 2D chains. Nature Materials, 2017, 16, 932-937.	35.2	307
100	Carbonization of polymers of intrinsic microporosity to microporous heterocarbon: Capacitive pH measurements. Applied Materials Today, 2017, 9, 136-144.	3.9	13
101	Potassium cation induced ionic diode blocking for a polymer of intrinsic microporosity | nafion â€œheterojunctionâ€• on a microhole substrate. Electrochimica Acta, 2017, 258, 807-813.	5.3	29
102	The Synthesis of Organic Molecules of Intrinsic Microporosity Designed to Frustrate Efficient Molecular Packing. Chemistry - A European Journal, 2016, 22, 2466-2472.	3.4	56
103	Enhancing the Gas Permeability of TrÃ¶gerâ€™s Base Derived Polyimides of Intrinsic Microporosity. Macromolecules, 2016, 49, 4147-4154.	5.0	135
104	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIMâ€1) Immobilized onto Tinâ€Doped Indium Oxide. ChemElectroChem, 2016, 3, 2160-2164.	2.9	8
105	Aging of polymers of intrinsic microporosity tracked by methanol vapour permeation. Journal of Membrane Science, 2016, 520, 895-906.	8.4	39
106	Toward an Understanding of the Microstructure and Interfacial Properties of PIMs/ZIF-8 Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2016, 8, 27311-27321.	8.0	114
107	Highly Conductive Anionâ€Exchange Membranes from Microporous TrÃ¶ger's Base Polymers. Angewandte Chemie - International Edition, 2016, 55, 11499-11502.	14.4	265
108	Molecularly Rigid Microporous Polyamine Captures and Stabilizes Conducting Platinum Nanoparticle Networks. ACS Applied Materials & Interfaces, 2016, 8, 22425-22430.	8.0	16

#	Article	IF	PR Citations
109	A hindered subphthalocyanine that forms crystals with included aromatic solvent but will not play ball with C₆₀. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1034-1040.	1.4	6
110	Highly Conductive Anionâ€Exchange Membranes from Microporous TrÃ¶ger's Base Polymers. Angewandte Chemie, 2016, 128, 11671-11674.	1.4	64
111	Inexpensive polyphenylene network polymers with enhanced microporosity. Journal of Materials Chemistry A, 2016, 4, 10110-10113.	9.3	84
112	pH-induced reversal of ionic diode polarity in 300 nm thin membranes based on a polymer of intrinsic microporosity. Electrochemistry Communications, 2016, 69, 41-45.	3.9	32
113	Fuel cell anode catalyst performance can be stabilized with a molecularly rigid film of polymers of intrinsic microporosity (PIM). RSC Advances, 2016, 6, 9315-9319.	4.4	19
114	Polymers of intrinsic microporosity in electrochemistry: Anion uptake and transport effects in thin film electrodes and in free-standing ionic diode membranes. Journal of Electroanalytical Chemistry, 2016, 779, 241-249.	3.9	21
115	High-Utilisation Nanoplatinum Catalyst (Pt@cPIM) Obtained via Vacuum Carbonisation in a Molecularly Rigid Polymer of Intrinsic Microporosity. Electrocatalysis, 2016, 8, 132-143.	2.6	14
116	Fabrication of ultrathin films containing the metal organic framework Fe-MIL-88B-NH 2 by the Langmuirâ€“Blodgett technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 470, 161-170.	5.2	34
117	Electrocatalytic Carbohydrate Oxidation with 4-Benzoyloxy-TEMPO Heterogenised in a Polymer of Intrinsic Microporosity. Electrochimica Acta, 2015, 160, 195-201.	5.3	28
118	Intrinsically microporous polymer slows down fuel cell catalyst corrosion. Electrochemistry Communications, 2015, 59, 72-76.	3.9	30
119	Water desalination concept using an ionic rectifier based on a polymer of intrinsic microporosity (PIM). Journal of Materials Chemistry A, 2015, 3, 15849-15853.	9.3	56
120	Intrinsically Microporous Polymer Retains Porosity in Vacuum Thermolysis to Electroactive Heterocarbon. Langmuir, 2015, 31, 12300-12306.	3.6	26
121	Highly Permeable Benzotriptycene-Based Polymer of Intrinsic Microporosity. ACS Macro Letters, 2015, 4, 912-915.	5.0	182
122	Polymer of Intrinsic Microporosity Induces Host-Guest Substrate Selectivity in Heterogeneous 4-Benzoyloxy-TEMPO-Catalysed Alcohol Oxidations. Electrocatalysis, 2015, 7, 70-78.	2.6	24
123	Intrinsically Porous Polymer Protects Catalytic Gold Particles for Enzymeless Glucose Oxidation. Electroanalysis, 2014, 26, 904-909.	2.3	41
124	Triptycene Induced Enhancement of Membrane Gas Selectivity for Microporous TrÃ¶ger's Base Polymers. Advanced Materials, 2014, 26, 3526-3531.	24.5	400
125	Triptycene-Based Organic Molecules of Intrinsic Microporosity. Organic Letters, 2014, 16, 1848-1851.	4.8	61
126	Molecular Modeling and Gas Permeation Properties of a Polymer of Intrinsic Microporosity Composed of Ethanoanthracene and TrÃ¶gerâ€™s Base Units. Macromolecules, 2014, 47, 7900-7916.	5.0	112

#	Article	IF	PR Citations
127	Gas Permeability of Hexaphenylbenzene Based Polymers of Intrinsic Microporosity. Macromolecules, 2014, 47, 8320-8327.	5.0	90
128	Heterogeneous organocatalysts composed of microporous polymer networks assembled by TrÃ¶ger's base formation. Polymer Chemistry, 2014, 5, 5262.	3.9	51
129	Metastable Ionic Diodes Derived from an Amineâ€Based Polymer of Intrinsic Microporosity. Angewandte Chemie - International Edition, 2014, 53, 10751-10754.	14.4	94
130	Physical aging of polymers of intrinsic microporosity: a SAXS/WAXS study. Journal of Materials Chemistry A, 2014, 2, 11742-11752.	9.3	88
131	Synthesis of cardo-polymers using TrÃ¶ger's base formation. Polymer Chemistry, 2014, 5, 5255.	3.9	74
132	A highly permeable polyimide with enhanced selectivity for membrane gas separations. Journal of Materials Chemistry A, 2014, 2, 4874-4877.	9.3	173
133	Metastable Ionic Diodes Derived from an Amineâ€Based Polymer of Intrinsic Microporosity. Angewandte Chemie, 2014, 126, 10927-10930.	1.4	17
134	High density heterogenisation of molecular electrocatalysts in a rigid intrinsically microporous polymer host. Electrochemistry Communications, 2014, 46, 26-29.	3.9	30
135	The synthesis of microporous polymers using TrÃ¶ger's base formation. Polymer Chemistry, 2014, 5, 5267-5272.	3.9	130
136	Centrotriindane- and triptindane-based polymers of intrinsic microporosity. Polymer, 2014, 55, 326-329.	4.2	27
137	Polymers of intrinsic microporosity in electrocatalysis: Novel pore rigidity effects and lamella palladium growth. Electrochimica Acta, 2014, 128, 3-9.	5.3	44
138	The synthesis and study of fluorescent PAMAM-based dendritic molecules. Tetrahedron, 2013, 69, 8439-8445.	2.0	6
139	In-situ coordination chemistry within cobalt-containing phthalocyanine nanoporous crystals. CrystEngComm, 2013, 15, 1545.	2.4	7
140	Simulated swelling during low-temperature N₂adsorption in polymers of intrinsic microporosity. Physical Chemistry Chemical Physics, 2013, 15, 20161-20169.	2.7	43
141	Tunable Porous Organic Crystals: Structural Scope and Adsorption Properties of Nanoporous Steroidal Ureas. Journal of the American Chemical Society, 2013, 135, 16912-16925.	15.0	51
142	Design principles for microporous organic solids from predictive computational screening. Journal of Materials Chemistry A, 2013, 1, 11950.	9.3	38
143	A polymer of intrinsic microporosity as the active binder to enhance adsorption/separation properties of composite hollow fibres. Microporous and Mesoporous Materials, 2013, 170, 105-112.	4.7	14
144	Polymers of Intrinsic Microporosity Containing TrÃ¶ger Base for CO₂ Capture. Industrial & Engineering Chemistry Research, 2013, 52, 16939-16950.	3.9	65

#	Article	IF	PR Citations
145	The tetratriptycenoporphyrazines revisited. Journal of Porphyrins and Phthalocyanines, 2013, 17, 778-784.	1.4	2
146	Synthesis and gas permeation properties of novel spirobisindane-based polyimides of intrinsic microporosity. Polymer Chemistry, 2013, 4, 3813.	3.9	159
147	Toward Effective CO₂/CH₄ Separations by Sulfur-Containing PIMs via Predictive Molecular Simulations. Macromolecules, 2013, 46, 5371-5380.	5.0	63
148	Characterizing the Structure of Organic Molecules of Intrinsic Microporosity by Molecular Simulations and X-ray Scattering. Journal of Physical Chemistry B, 2013, 117, 355-364.	2.7	53
149	The unexpected formation of a dihydroisobenzofuran derivative from the addition of a Grignard reagent to a 1,3-indanedione. Arkivoc, 2013, 2012, 190-195.	0.5	0
150	Polymers of Intrinsic Microporosity. ISRN Materials Science, 2012, 2012, 1-16.	0.5	186
151	A Spirobifluoreneâ€Based Polymer of Intrinsic Microporosity with Improved Performance for Gas Separation. Advanced Materials, 2012, 24, 5930-5933.	24.5	358
152	Methane oxidation using silica-supported N-bridged di-iron phthalocyanine catalyst. Journal of Catalysis, 2012, 290, 177-185.	6.5	32
153	The synthesis and fluorescence properties of macromolecular components based on 1,8-naphthalimide derivatives and dimers. Tetrahedron Letters, 2012, 53, 808-810.	1.4	6
154	Tribenzotriquinacene-based polymers of intrinsic microporosity. Polymer Chemistry, 2011, 2, 2257.	3.9	67
155	Enhancing the rigidity of a network polymer of intrinsic microporosity by the combined use of phthalocyanine and triptycene components,. Polymer Chemistry, 2011, 2, 2190.	3.9	34
156	Hexaphenylbenzene-based polymers of intrinsic microporosity. Chemical Communications, 2011, 47, 6822.	3.4	81
157	Enhanced pulmonary absorption of a macromolecule through coupling to a sequence-specific phage display-derived peptide. Journal of Controlled Release, 2011, 151, 83-94.	11.1	24
158	Synthesis and Gas Permeation Properties of Spirobischromaneâ€Based Polymers of Intrinsic Microporosity. Macromolecular Chemistry and Physics, 2011, 212, 1137-1146.	2.5	117
159	Synthesis and crystal structure of a novel phthalocyanine-calixarene conjugate. Journal of Porphyrins and Phthalocyanines, 2011, 15, 686-690.	1.4	7
160	Laser Chemosensor with Rapid Responsivity and Inherent Memory Based on a Polymer of Intrinsic Microporosity. Sensors, 2011, 11, 2478-2487.	3.1	72
161	Crystal Structures of a Series of 1,1-Spiro-bis(1,2,3,4-tetrahydronaphthalene)-Based Derivatives. Journal of Chemical Crystallography, 2011, 42, 111-118.	0.6	4
162	Highly permeable polymers for gas separation membranes. Polymer Chemistry, 2010, 1, 63.	3.9	339

#	Article	IF	PR Citations
163	Triptycene-Based Polymers of Intrinsic Microporosity: Organic Materials That Can Be Tailored for Gas Adsorption. Macromolecules, 2010, 43, 5287-5294.	5.0	295
164	Crystal Structures of 5,6,5â€²,6â€²-Tetramethoxy-1,1â€²-spirobisindane-3,3â€²-dione and two of its Fluorene Adducts. Journal of Chemical Crystallography, 2010, 41, 98-104.	0.6	8
165	Nitrogen and Hydrogen Adsorption by an Organic Microporous Crystal. Angewandte Chemie - International Edition, 2009, 48, 3273-3277.	14.4	150
166	Novel polymers of intrinsic microporosity (PIMs) derived from 1,1-spiro-bis(1,2,3,4-tetrahydronaphthalene)-based monomers. Tetrahedron Letters, 2009, 50, 5954-5957.	1.4	43
167	Synthesis, Characterization, and Gas Permeation Properties of a Novel Group of Polymers with Intrinsic Microporosity: PIM-Polyimides. Macromolecules, 2009, 42, 7881-7888.	5.0	271
168	Atomistic packing model and free volume distribution of a polymer with intrinsic microporosity (PIM-1). Journal of Membrane Science, 2008, 318, 84-99.	8.4	253
169	Clathrate Formation from Octaazaphthalocyanines Possessing Bulky Phenoxyl Substituents: A New Cubic Crystal Containing Solventâ€Filled, Nanoscale Voids. Chemistry - A European Journal, 2008, 14, 4810-4815.	3.4	40
170	Highâ€Performance Membranes from Polyimides with Intrinsic Microporosity. Advanced Materials, 2008, 20, 2766-2771.	24.5	340
171	Gas permeation parameters and other physicochemical properties of a polymer of intrinsic microporosity: Polybenzodioxane PIM-1. Journal of Membrane Science, 2008, 325, 851-860.	8.4	524
172	Novel Spirobisindanes for Use as Precursors to Polymers of Intrinsic Microporosity. Organic Letters, 2008, 10, 2641-2643.	4.8	90
173	Polymers of Intrinsic Microporosity Derived from Bis(phenazyl) Monomers. Macromolecules, 2008, 41, 1640-1646.	5.0	169
174	Catalysis by microporous phthalocyanine and porphyrin network polymers. Journal of Materials Chemistry, 2008, 18, 573-578.	7.3	255
175	The synthesis of robust, polymeric hole-transport materials from oligoarylamine substituted styrenes. Journal of Materials Chemistry, 2007, 17, 2088.	7.3	30
176	A triptycene-based polymer of intrinsic microposity that displays enhanced surface area and hydrogen adsorption. Chemical Communications, 2007, , 67-69.	3.4	293
177	The potential of organic polymer-based hydrogen storage materials. Physical Chemistry Chemical Physics, 2007, 9, 1802.	2.7	204
178	The Self-Ordering Properties of Novel Phthalocyanines with Out-of-Plane Alkyl Substituents. Chemistry - A European Journal, 2007, 13, 228-234.	3.4	24
179	The synthesis of metal-free octaazaphthalocyanine derivatives containing bulky phenoxy substituents to prevent self-association. Tetrahedron Letters, 2007, 48, 7358-7361.	1.4	30
180	Unusual temperature dependence of the positron lifetime in a polymer of intrinsic microporosity. Physica Status Solidi - Rapid Research Letters, 2007, 1, 190-192.	2.0	36

#	Article	IF	PR Citations
181	Polymers of Intrinsic Microporosity (PIMs): High Free Volume Polymers for Membrane Applications. Macromolecular Symposia, 2006, 245-246, 403-405.	0.8	93
182	Polymers of intrinsic microporosity (PIMs): organic materials for membrane separations, heterogeneous catalysis and hydrogen storage. Chemical Society Reviews, 2006, 35, 675.	37.8	1,690
183	Adsorption Studies of a Microporous Phthalocyanine Network Polymer. Langmuir, 2006, 22, 4225-4229.	3.6	106
184	Towards Polymer-Based Hydrogen Storage Materials: Engineering Ultramicroporous Cavities within Polymers of Intrinsic Microporosity. Angewandte Chemie - International Edition, 2006, 45, 1804-1807.	14.4	438
185	Towards Polymer-Based Hydrogen Storage Materials: Engineering Ultramicroporous Cavities within Polymers of Intrinsic Microporosity. Angewandte Chemie, 2006, 118, 1836-1839.	1.4	82
186	A novel series of styreneâ€based liquid crystal monomers displaying either nematic or chiral nematic phases. Liquid Crystals, 2006, 33, 1021-1026.	2.3	2
187	Gas separation membranes from polymers of intrinsic microporosity. Journal of Membrane Science, 2005, 251, 263-269.	8.4	840
188	A Phthalocyanine Clathrate of Cubic Symmetry Containing Interconnected Solvent-Filled Voids of Nanometer Dimensions. Angewandte Chemie - International Edition, 2005, 44, 7546-7549.	14.4	68
189	A Phthalocyanine Clathrate of Cubic Symmetry Containing Interconnected Solvent-Filled Voids of Nanometer Dimensions. Angewandte Chemie, 2005, 117, 7718-7721.	1.4	16
190	Polymers of Intrinsic Microporosity (PIMs): Bridging the Void between Microporous and Polymeric Materials. Chemistry - A European Journal, 2005, 11, 2610-2620.	3.4	494
191	Inducing solid-state isolation of the phthalocyanine macrocycle by its incorporation within rigid, randomly shaped oligomers. Journal of Materials Chemistry, 2005, 15, 1865.	7.3	18
192	A non-planar, hexadeca-substituted, metal-free phthalocyanine. Journal of Porphyrins and Phthalocyanines, 2005, 09, 841-845.	1.4	18
193	Microporous polymeric materials. Materials Today, 2004, 7, 40-46.	14.0	58
194	Macrodiscotic liquid crystals derived from planar phthalocyanine oligomers. Tetrahedron Letters, 2004, 45, 4865-4868.	1.4	30
195	Polymers of intrinsic microporosity (PIMs): robust, solution-processable, organic nanoporous materials. Chemical Communications, 2004, , 230.	3.4	1,260
196	Title is missing!. Pharmaceutical Research, 2003, 20, 1543-1550.	3.8	239
197	Phthalocyanine-centred and naphthalocyanine-centred aryl ether dendrimers with oligo(ethyleneoxy) surface groups. Tetrahedron, 2003, 59, 3863-3872.	2.0	52
198	A nanoporous network polymer derived from hexaazatrinaphthylene with potential as an adsorbent and catalyst support. Journal of Materials Chemistry, 2003, 13, 2721-2726.	7.3	134

#	Article	IF	PR Citations
199	The synthesis of phthalocyanines containing both nitrile and non-peripheral alkyl or alkoxy side-chains. Journal of Porphyrins and Phthalocyanines, 2003, 07, 125-130.	1.4	2
200	Phthalocyanine-based nanoporous network polymers. Chemical Communications, 2002, , 2780-2781.	3.4	198
201	Porphyrin-based nanoporous network polymers. Chemical Communications, 2002, , 2782-2783.	3.4	163
202	Styrene-containing mesogens. Part 1: photopolymerisable nematic liquid crystals. Journal of Materials Chemistry, 2002, 12, 2675-2683.	7.3	7
203	Studies on the release of polymeric Langmuirâ€"Blodgett multilayers from the solid supports on which they were prepared. Polymer, 2002, 43, 3519-3525.	4.2	1
204	Title is missing!. Journal of Materials Chemistry, 2001, 11, 2784-2789.	7.3	32
205	Phthalocyanine-centred aryl ether dendrimers with oligo(ethyleneoxy) surface groups. Tetrahedron Letters, 2001, 42, 813-816.	1.4	40
206	The Synthesis and Glass-Forming Properties of Phthalocyanine-Containing Poly(aryl ether) Dendrimers. Chemistry - A European Journal, 2000, 6, 4630-4636.	3.4	81
207	The synthetic quest for â€˜splendid isolationâ€™ within phthalocyanine materials. Journal of Porphyrins and Phthalocyanines, 2000, 04, 460-464.	1.4	37
208	Ordered Langmuirâ€"Blodgett films derived from a mesogenic polymer amphiphile. Journal of Materials Chemistry, 2000, 10, 2270-2273.	7.3	4
209	Novel spiro-polymers with enhanced solubility. Chemical Communications, 1999, , 255-256.	3.4	21
210	Phthalocyanine-containing polystyrenes. Chemical Communications, 1999, , 419-420.	3.4	20
211	The Synthesis of Some Phthalocyanines and Napthalocyanines Derived from Sterically Hindered Phenols. Chemistry - A European Journal, 1998, 4, 1633-1640.	3.4	67
212	Silicon Phthalocyanines with Axial Dendritic Substituents. Angewandte Chemie - International Edition, 1998, 37, 1092-1094.	14.4	83
213	Properties of polymeric Langmuirâ€"Blodgett films containing sulphonyl-substituted azobenzene moieties for second harmonic generation. Thin Solid Films, 1998, 323, 227-234.	1.9	5
214	Molecular assemblies of novel amphiphilic phthalocyanines: an investigation into the self-ordering properties of complex functional materials. Journal of Materials Chemistry, 1998, 8, 2371-2378.	7.3	36
215	Second harmonic generation from Langmuirâ€"Blodgett multilayers assembled from â€˜activeâ€™ non-polymeric amphiphiles and â€˜inactiveâ€™ polymeric amphiphiles. Journal of Materials Chemistry, 1998, 8, 1391-1397.	7.3	4
216	A Study of Lyotropic Mesophases of Concentrated Solutions of a Triblock Copolymer of Ethylene Oxide and 1,2-Butylene Oxide, E16B10E16, Using Rheometry, Polarized Light Microscopy, and Small-Angle X-ray Scattering. Langmuir, 1998, 14, 5782-5789.	3.6	36

#	Article	IF	PR Citations
217	Synthesis of a phthalocyanine derivative containing easily oxidised sterically-hindered phenolic substituents. Chemical Communications, 1997, , 1979.	3.4	9
218	Synthesis and liquid crystal properties of phthalocyanine derivatives containing both alkyl and readily oxidised phenolic substituents. Journal of Materials Chemistry, 1996, 6, 315.	7.3	17
219	Thermotropic and Lyotropic Mesophase Behavior of Some Novel Phthalocyanine-Centered Poly(oxyethylene)s. Macromolecules, 1996, 29, 1854-1856.	5.0	36
220	Solvent cast films derived from amphiphilic phthalocyanines: an alternative to the Langmuirâ€“Blodgett technique for the preparation of ordered multilayer films. Chemical Communications, 1996, , 73-75.	3.4	22
221	Synthesis and Characterization of Mesogenic Phthalocyanines Containing a Single Poly(oxyethylene) Side Chain:Â An Example of Steric Disturbance of the Hexagonal Columnar Mesophase. Macromolecules, 1996, 29, 913-917.	5.0	40
222	Synthesis of novel conjugated polymers containing alternating hexa-1,3,5-triene and bi-p-phenylene or ter-p-phenylene segments. Chemical Communications, 1996, , 655.	3.4	6
223	Novel Amphiphilic Phthalocyanine Mesogens. Molecular Crystals and Liquid Crystals, 1995, 260, 255-260.	0.0	10
224	Synthesis and characterisation of some novel phthalocyanines containing both oligo(ethyleneoxy) and alkyl or alkoxy side-chains: novel unsymmetrical discotic mesogens. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1817.	1.0	79
225	Stable glass formation by a hexagonal ordered columnar mesophase of a low molar mass phthalocyanine derivative. Liquid Crystals, 1995, 19, 887-889.	2.3	28
226	Lyotropic and thermotropic mesophase formation of novel tetra[oligo(ethyleneoxy)]-substituted phthalocyanines. Journal of Materials Chemistry, 1994, 4, 1153.	7.3	67
227	Surface modification of the biomedical polymer poly(ethylene terephthalate). Analyst, The, 1993, 118, 463-474.	3.1	114
228	Spectroscopic and X-ray diffraction study of Langmuirâ€“Blodgett films of some 1,4,8,11,15,18-hexaalkyl-22,25-bis(carboxypropyl)phthalocyanines. Journal of Materials Chemistry, 1991, 1, 121-127.	7.3	63
229	Surface selective chemical modification of fluoropolymer using aluminum deposition. Langmuir, 1991, 7, 2146-2152.	3.6	7
230	Synthesis and characterisation of some 1,4,8,11,15,18,22,25-octa(alkoxymethyl)phthalocyanines; a new series of discotic liquid crystals. Journal of the Chemical Society Perkin Transactions 1, 1991, , 3053.	1.0	39
231	Synthesis and characterisation of some 1,4,8,11,15,18,22,25-octa-alkyl- and 1,4,8,11,15,18-hexa-alkyl-22,25-bis(carboxypropyl)phthalocyanines. Journal of the Chemical Society Perkin Transactions 1, 1990, , 1169.	1.0	111
232	Preparation of substituted tetrabenzotriazaporphyrins and a tetranaphthotriazaporphyrin: a route to mono-meso-substituted phthalocyanine analogs. Journal of Organic Chemistry, 1990, 55, 2186-2190.	3.5	35
233	Molecular assemblies in discotic mesophases and Langmuir-Blodgett films of 1,4,8,11,15,18,22,25-octasubstituted phthalocyanines. Chemistry of Materials, 1989, 1, 287-289.	6.7	30
234	1,4,8,11,15,18-Hexa-alkyl-22,25-bis(carboxypropyl)phthalocyanines: materials designed for deposition as Langmuirâ€“Blodgett films. Journal of the Chemical Society Chemical Communications, 1987, , 1148-1150.	1.9	43

#	Article	IF	PR Citations
235	1,4,8,11,15,18,22,25-Octa-alkyl phthalocyanines: new discotic liquid crystal materials. Journal of the Chemical Society Chemical Communications, 1987, , 1086.	1.9	82