

# Polymeric ionic liquids: Broadening the properties and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polymeric ionic liquids for the fast preparation of superhydrophobic coatings by the simultaneous spraying of oppositely charged polyelectrolytes and nanoparticles. <i>Polymer Journal</i> , 2011, 43, 966-970.	1.3	10
2	Design and synthesis of new anionic polymeric ionic liquids with high charge delocalization. <i>Polymer Chemistry</i> , 2011, 2, 2609.	1.9	96
3	Viscoelastic Behavior of the Polymerized Ionic Liquid Poly(1-ethyl-3-vinylimidazolium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662 Td (bis(t	2.2	67
4	Self-Assembly of Poly(ionic liquid)s: Polymerization, Mesosstructure Formation, and Directional Alignment in One Step. <i>Journal of the American Chemical Society</i> , 2011, 133, 17556-17559.	6.6	157
5	Beyond 1,3-difunctionalized imidazolium cations. <i>Nanomaterials and Energy</i> , 2012, 1, 237-242.	0.1	17
6	Materials-based approaches to minimizing solvent usage in analytical sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 39, 228-244.	5.8	52
7	Capturing Nanoscale Structure in Network Gels by Microemulsion Polymerization. <i>ACS Macro Letters</i> , 2012, 1, 1398-1402.	2.3	14
8	Free Volume as the Basis of Gas Solubility and Selectivity in Imidazolium-Based Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 5565-5576.	1.8	210
9	Micellar interpolyelectrolyte complexes. <i>Chemical Society Reviews</i> , 2012, 41, 6888.	18.7	221
10	Properties of alkylbenzimidazoles for CO <sub>2</sub> and SO <sub>2</sub> capture and comparisons to ionic liquids. <i>Science China Chemistry</i> , 2012, 55, 1638-1647.	4.2	29
11	POSS-Tetraalkylammonium Salts: A New Class of Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5668-5676.	1.0	26
12	Ionic liquid-derived charged polymers to show highly thermoresponsive LCST-type transition with water at desired temperatures. <i>Chemical Communications</i> , 2012, 48, 11883.	2.2	82
13	Synthesis of Imidazolium-Containing ABA Triblock Copolymers: Role of Charge Placement, Charge Density, and Ionic Liquid Incorporation. <i>Macromolecules</i> , 2012, 45, 4749-4757.	2.2	69
14	Dielectric Relaxation and Viscoelastic Behavior of Polymerized Ionic Liquids with Various Counteranions. <i>Macromolecules</i> , 2012, 45, 3850-3858.	2.2	87
15	Hierarchically Nanostructured Polyisobutylene-Based Ionic Liquids. <i>Macromolecules</i> , 2012, 45, 2074-2084.	2.2	49
16	Redox-Active Cross-Linkable Poly(ionic liquid)s. <i>Journal of the American Chemical Society</i> , 2012, 134, 4023-4025.	6.6	105
17	Facile synthesis of nitrogen-doped carbon-Pt nanoparticle hybrids via carbonization of poly([Bvim][Br]-co-acrylonitrile) for electrocatalytic oxidation of methanol. <i>Journal of Materials Chemistry</i> , 2012, 22, 13578.	6.7	63
18	Synthesis and Rheological Behavior of Supramolecular Ionic Networks Based on Citric Acid and Aliphatic Diamines. <i>Macromolecules</i> , 2012, 45, 7599-7606.	2.2	49

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19	Stimuli-Responsive Nanolatexes: Porating Films. ACS Macro Letters, 2012, 1, 310-314.	2.3	65
20	Enhanced Carbon Dioxide Adsorption by a Mesoporous Poly(ionic liquid). ACS Macro Letters, 2012, 1, 1028-1031.	2.3	155
21	Anion Responsive Imidazolium-Based Polymers. Macromolecular Rapid Communications, 2012, 33, 1996-2014.	2.0	93
22	Poly(tetrabutylphosphonium 4-styrenesulfonate): a poly(ionic liquid) stabilizer for graphene being multi-responsive. Polymer Chemistry, 2012, 3, 871.	1.9	90
23	Poly(ionic liquid) Complex with Spontaneous Micro-/Mesoporosity: Template-Free Synthesis and Application as Catalyst Support. Journal of the American Chemical Society, 2012, 134, 11852-11855.	6.6	170
24	Double Stimuli-Responsive Copolymer Stabilizers for Multiwalled Carbon Nanotubes. ACS Macro Letters, 2012, 1, 84-87.	2.3	72
25	Synthesis of Pyrrolidinium-Based Poly(ionic liquid) Electrolytes with Poly(ethylene glycol) Side Chains. Chemistry of Materials, 2012, 24, 1583-1590.	3.2	131
26	Temperature-responsive self-assembly of star block copolymers with poly(ionic liquid) segments. Polymer Journal, 2012, 44, 550-560.	1.3	50
27	Visible Light and Sunlight Photoinduced ATRP with ppm of Cu Catalyst. ACS Macro Letters, 2012, 1, 1219-1223.	2.3	521
28	Electromagnetic properties of Fe <sub>3</sub> O <sub>4</sub> -functionalized graphene and its composites with a conducting polymer. Journal of Polymer Science Part A, 2012, 50, 927-935.	2.5	70
29	Facile incorporation of natural carboxylic acids into polymers via polymerization of protic ionic liquids. Journal of Polymer Science Part A, 2012, 50, 1049-1053.	2.5	22
30	Correlating backbone-to-backbone distance to ionic conductivity in amorphous polymerized ionic liquids. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 338-346.	2.4	122
31	Thiol-ene Click Chemistry as a Tool for a Novel Family of Polymeric Ionic Liquids. Macromolecular Chemistry and Physics, 2012, 213, 1359-1369.	1.1	19
32	Crosslinked Poly(ionic liquid) Nanoparticles: Inner Structure, Size, and Morphology. Macromolecular Rapid Communications, 2012, 33, 646-651.	2.0	41
33	Controlled Radical Polymerization of 4-Vinylimidazole. Macromolecules, 2012, 45, 3669-3676.	2.2	62
34	Low-catalyst concentration atom transfer radical polymerization of a phosphonium salt-type monomer. Polymer Chemistry, 2012, 3, 2487.	1.9	27
35	Spherical polymer brushes with vinylimidazolium-type poly(ionic liquid) chains as support for metallic nanoparticles. Polymer, 2012, 53, 43-49.	1.8	69
36	Triblock Copolymer Based on Poly(propylene oxide) and Poly(11-acryloylundecyl-3-methylimidazolium) Tj ETQq1,1 0.7843	2.0	152

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37	Facile Synthesis of Supramolecular Ionic Polymers That Combine Unique Rheological, Ionic Conductivity, and Self-Healing Properties. <i>Macromolecular Rapid Communications</i> , 2012, 33, 314-318.	2.0	67
38	Macroporous poly(ionic liquid) and poly(acrylamide) monoliths from CO <sub>2</sub> -in-water emulsion templates stabilized by sugar-based surfactants. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8479.	5.2	36
39	Preparation of Chitin/Cellulose Films Compatibilized with Polymeric Ionic Liquids. <i>Journal of Polymers and the Environment</i> , 2013, 21, 795-801.	2.4	22
40	Preparation of Galactomannan-Based Materials Compatibilized with Ionic Liquids. <i>Journal of Polymers and the Environment</i> , 2013, 21, 512-519.	2.4	13
41	Deep Eutectic Solvent-Assisted Synthesis of Biodegradable Polyesters with Antibacterial Properties. <i>Langmuir</i> , 2013, 29, 9525-9534.	1.6	74
42	Monodisperse Polymeric Ionic Liquid Microgel Beads with Multiple Chemically Switchable Functionalities. <i>Langmuir</i> , 2013, 29, 9535-9543.	1.6	68
43	Recent progress in controlled radical polymerization of N-vinyl monomers. <i>European Polymer Journal</i> , 2013, 49, 2808-2838.	2.6	103
44	Activated CO <sub>2</sub> Sorption in Mesoporous Imidazolium-Type Poly(ionic liquid)-Based Polyampholytes. <i>Chemistry of Materials</i> , 2013, 25, 3003-3010.	3.2	88
45	Mesoporous zwitterionic poly(ionic liquid)s: intrinsic complexation and efficient catalytic fixation of CO <sub>2</sub> . <i>Polymer Chemistry</i> , 2013, 4, 5048.	1.9	44
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48	Silica-based ionic liquid coating for 96-blade system for extraction of aminoacids from complex matrixes. <i>Analytica Chimica Acta</i> , 2013, 803, 66-74.	2.6	23
49	Ionic Conduction in Nanostructured Membranes Based on Polymerized Protic Ionic Liquids. <i>Macromolecules</i> , 2013, 46, 1543-1548.	2.2	91
50	Temperature-Driven and Reversible Assembly of Homopolyelectrolytes Derived from Suitably Designed Ionic Liquids in Water. <i>Australian Journal of Chemistry</i> , 2013, 66, 1393.	0.5	21
51	Gold nanoparticles supported on supramolecular ionic liquid grafted graphene: a bifunctional catalyst for the selective aerobic oxidation of alcohols. <i>RSC Advances</i> , 2013, 3, 22509.	1.7	54
52	Thermoset Magnetic Materials Based on Poly(ionic liquid)s Block Copolymers. <i>Macromolecules</i> , 2013, 46, 1860-1867.	2.2	48
53	Charge Generation in Low-Polarity Solvents: Poly(ionic liquid)-Functionalized Particles. <i>Langmuir</i> , 2013, 29, 4204-4213.	1.6	25
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58	A new supramolecular polyhedral oligomeric silsesquioxanes (POSS)-porphyrin nanohybrid: synthesis and spectroscopic characterization. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4746.	2.7	31
59	Exploring the role of ion solvation in ethylene oxide based single-ion conducting polyanions and polycations. <i>Soft Matter</i> , 2013, 9, 10275.	1.2	29
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61	Removal of 2,4-dichlorophenol using cyclodextrin-ionic liquid polymer as a macroporous material: Characterization, adsorption isotherm, kinetic study, thermodynamics. <i>Journal of Hazardous Materials</i> , 2013, 263, 501-516.	6.5	84
62	Water Dispersible, Highly Graphitic and Nitrogen-Doped Carbon Nanobubbles. <i>Small</i> , 2013, 9, 4135-4141.	5.2	36
63	Preparation a new sorbent based on polymeric ionic liquid for stir cake sorptive extraction of organic compounds and inorganic anions. <i>Journal of Chromatography A</i> , 2013, 1314, 7-14.	1.8	20
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65	Synthesis and reactivity ratios of regioisomeric vinyl-1,2,3-triazoles with styrene. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3359-3364.	2.5	7
66	Low fractions of ionic liquid or poly(ionic liquid) can activate polysaccharide biomass into shaped, flexible and fire-retardant porous carbons. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11887.	5.2	49
67	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO <sub>2</sub> separation membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10403.	5.2	69
68	Nanostructured Polymeric Ionic Liquids. <i>Advances in Polymer Science</i> , 2013, , 431-446.	0.4	3
69	Visible Light Mediated Fast Iterative RAFT Synthesis of Amino-Based Reactive Copolymers in Water at 20 °C. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1827-1832.	2.0	44
70	Unusual phase transition mechanism of poly(ethylene oxide) in an ionic liquid: opposite frequency shifts in <sup>1</sup> H groups. <i>Soft Matter</i> , 2013, 9, 11585.	1.2	32
71	Designing melt flow of poly(isobutylene)-based ionic liquids. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12159.	5.2	19
72	Rheological Changes and Kinetics of Water Uptake by Poly(ionic liquid)-Based Thin Films. <i>Langmuir</i> , 2013, 29, 15589-15595.	1.6	20

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75	Ionic liquid polymer electrolytes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2719-2743.	5.2	441
76	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2099-2107.	1.1	87
77	Cholinium-Based Poly(ionic liquid)s: Synthesis, Characterization, and Application as Biocompatible Ion Gels and Cellulose Coatings. <i>ACS Macro Letters</i> , 2013, 2, 975-979.	2.3	75
78	Double-Responsive Spherical Polymer Brushes with a Poly(ionic liquid) Core and a Thermoresponsive Shell. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1721-1727.	2.0	57
79	Deep eutectic solvents as both active fillers and monomers for frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1767-1773.	2.5	92
80	High-Pressure Atom Transfer Radical Polymerization of <i>n</i> -Butyl Acrylate. <i>Macromolecular Rapid Communications</i> , 2013, 34, 604-609.	2.0	25
81	Organic acids can crosslink poly(ionic liquid)s into mesoporous polyelectrolyte complexes. <i>Polymer Chemistry</i> , 2013, 4, 2432.	1.9	49
82	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. <i>Macromolecules</i> , 2013, 46, 3037-3045.	2.2	52
83	Cycloaddition of CO <sub>2</sub> to epoxides catalyzed by imidazolium-based polymeric ionic liquids. <i>Green Chemistry</i> , 2013, 15, 1584.	4.6	169
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92	Ion transport behavior in polymerized imidazolium ionic liquids incorporating flexible pendant groups. <i>European Polymer Journal</i> , 2013, 49, 1017-1022.	2.6	22
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100	Vinylimidazole-based asymmetric ion pair comonomers: Synthesis, polymerization studies and formation of ionically crosslinked PMMA. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3260-3273.	2.5	21
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110	Ethylene glycol-based ionic liquids via azide/alkyne click chemistry. <i>Journal of Polymer Science Part A</i> , 2013, 51, 190-202.	2.5	24
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126	Polypeptide ionic liquid: Synthesis, characterization, and application in single-walled carbon nanotube dispersion. <i>Journal of Polymer Science Part A</i> , 2014, 52, 149-153.	2.5	30
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150	Functional mesoporous poly(ionic liquid)-based copolymer monoliths: From synthesis to catalysis and microporous carbon production. <i>Polymer</i> , 2014, 55, 3423-3430.	1.8	82
151	Post-polymerization modification and organocatalysis using reactive statistical poly(ionic liquid) copolymers. <i>Journal of Polymer Science Part A: Polymer Chemistry</i> , 2014, 52, 1079-1089.	1.8	39
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