Jinyin Yuan

List of Publications by Year
in descending order

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225 papers	14,326 citations	22548 61 h-index	26792 111 g-index
240 all docs	240 docs citations	240 times ranked	15735 citing authors

#	Article	IF	Citations
1	Colloidal dispersion of poly(ionic liquid)/Cu composite particles for protective surface coating against SARâ€CoVâ€2. Nano Select, 2022, 3, 227-232.	1.9	9
2	Nanodancing with Moisture: Humidityâ€Sensitive Bilayer Actuator Derived from Cellulose Nanofibrils and Reduced Graphene Oxide. Advanced Intelligent Systems, 2022, 4, 2100084.	3.3	15
3	A Cationâ€Methyleneâ€Phenyl Sequence Encodes Programmable Poly(Ionic Liquid) Coacervation and Robust Underwater Adhesion. Advanced Functional Materials, 2022, 32, 2105464.	7.8	35
4	Siloxane-Based Main-Chain Poly(ionic liquid)s via a Debusâ€“Radziszewski Reaction. ACS Polymers Au, 2022, 2, 80-87.	1.7	3
5	Bridged Carbon Fabric Membrane with Boosted Performance in AC Lineâ€Filtering Capacitors. Advanced Science, 2022, 9, e2105072.	5.6	10
6	Impact of Pore Structure on Twoâ€Electron Oxygen Reduction Reaction in Nitrogenâ€Doped Carbon Materials: Rotating Ringâ€Disk Electrode vs. Flow Cell. ChemSusChem, 2022, 15, e202102587.	3.6	9
7	Electrostatically cooperative host-in-host of metal cluster âŠ‚ ionic organic cages in nanopores for enhanced catalysis. Nature Communications, 2022, 13, 1471.	5.8	14
8	Fully Biobased Photothermal Films and Coatings for Indoor Ultraviolet Radiation and Heat Management. ACS Applied Materials & Interfaces, 2022, 14, 12693-12702.	4.0	21
9	A Knitting Copolymerization Strategy to Build Porous Polytriazolium Salts for Removal of Anionic Dyes and MnO₄^{â”}. Macromolecular Rapid Communications, 2022, 43, e2200170.	2.0	4
10	Poly(ionic liquid)â€Armored MXene Membrane: Interlayer Engineering for Facilitated Water Transport. Angewandte Chemie, 2022, 134, .	1.6	4
11	Poly(ionic liquid)â€Armored MXene Membrane: Interlayer Engineering for Facilitated Water Transport. Angewandte Chemie - International Edition, 2022, 61, e202202515.	7.2	27
12	Poly(ionic liquid) Nanovesicle-Templated Carbon Nanocapsules Functionalized with Uniform Iron Nitride Nanoparticles as Catalytic Sulfur Host for Liâ€“S Batteries. ACS Nano, 2022, 16, 10554-10565.	7.3	18
13	Vacancyâ€Rich MXeneâ€Immobilized Ni Single Atoms as a Highâ€Performance Electrocatalyst for the Hydrazine Oxidation Reaction. Advanced Materials, 2022, 34, .	11.1	57
14	Hydrazineâ€Enabled Oneâ€Step Synthesis of Metal Nanoparticleâ€“Functionalized Gradient Porous Poly(ionic liquid) Membranes. Macromolecular Rapid Communications, 2021, 42, 2000143.	2.0	9
15	From wood to thin porous carbon membrane: Ancient materials for modern ultrafast electrochemical capacitors in alternating current line filtering. Energy Storage Materials, 2021, 35, 327-333.	9.5	25
16	Ultratough and ultrastrong graphene oxide hybrid filmsviaa polycationitrile approach. Nanoscale Horizons, 2021, 6, 341-347.	4.1	6
17	Janus-interface engineering boosting solar steam towards high-efficiency water collection. Energy and Environmental Science, 2021, 14, 5330-5338.	15.6	122
18	Template-synthesis of a poly(ionic liquid)-derived Fe_{1â”x}S/nitrogen-doped porous carbon membrane and its electrode application in lithiumâ€“sulfur batteries. Materials Advances, 2021, 2, 5203-5212.	2.6	8

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19	A transport channel-regulated MXene membrane via organic phosphonic acids for efficient water permeation. Chemical Communications, 2021, 57, 6245-6248.	2.2	17
20	Dual-Cationic Poly(ionic liquid)s Carrying 1,2,4-Triazolium and Imidazolium Moieties: Synthesis and Formation of a Single-Component Porous Membrane. ACS Macro Letters, 2021, 10, 161-166.	2.3	7
21	A General Carboxylateâ€Assisted Approach to Boost the ORR Performance of ZIFâ€Derived Fe/N/C Catalysts for Proton Exchange Membrane Fuel Cells. Advanced Functional Materials, 2021, 31, 2009645.	7.8	98
22	â€œMix-Then-On-Demand-Complexâ€: In Situ Cascade Anionization and Complexation of Graphene Oxide for High-Performance Nanofiltration Membranes. ACS Nano, 2021, 15, 4440-4449.	7.3	26
23	Reduced Graphene Oxide-Poly (Ionic Liquid) Composite Films of High Mechanical Performance. Frontiers in Materials, 2021, 8, .	1.2	2
24	Tuning the glass transition of siloxaneâ€based poly(ionic liquid)s towards high ion conductivity. Journal of Polymer Science, 2021, 59, 1518-1527.	2.0	5
25	Largeâ€Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie, 2021, 133, 14243-14249.	1.6	4
26	Largeâ€Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie - International Edition, 2021, 60, 14124-14130.	7.2	30
27	Multitasking tartaric-acid-enabled, highly conductive, and stable MXene/conducting polymer composite for ultrafast supercapacitor. Cell Reports Physical Science, 2021, 2, 100449.	2.8	19
28	Smart Sand by Surface Engineering: Toward Controllable Oil/Water Separation. Industrial & Engineering Chemistry Research, 2021, 60, 9475-9481.	1.8	7
29	Ferroceneâ€Containing Porous Poly(Ionic Liquid) Membranes: Synthesis and Application as Sacrificial Template for Porous Iron Oxide Films. Macromolecular Rapid Communications, 2021, 42, e2100077.	2.0	5
30	Generation Pathway of Hydroxyl Radical in Fe/N/C-Based Oxygen Reduction Electrocatalysts under Acidic Media. Journal of Physical Chemistry Letters, 2021, 12, 7797-7803.	2.1	17
31	Ionic organic cage-encapsulated metal clusters for switchable catalysis. Cell Reports Physical Science, 2021, 2, 100546.	2.8	16
32	A Mild CO₂ Etching Method To Tailor the Pore Structure of Platinum-Free Oxygen Reduction Catalysts in Proton Exchange Membrane Fuel Cells. ACS Applied Materials & Interfaces, 2021, 13, 45661-45669.	4.0	17
33	Electroanalysis of Biomolecules: Rational Selection of Sensor Construction. Biochemistry (Moscow), 2021, 86, S140-S151.	0.7	7
34	One-pot construction of nitrogen-rich polymeric ionic porous networks for effective CO₂ capture and fixation. Polymer Chemistry, 2021, 13, 121-129.	1.9	3
35	Ferrocene-integrated conjugated microporous polymer nanosheets: Active and regenerative catalysts for photomediated controlled radical polymerization. Applied Materials Today, 2020, 18, 100507.	2.3	6
36	Advanced Heteroatom-Doped Porous Carbon Membranes Assisted by Poly(ionic liquid) Design and Engineering. Accounts of Materials Research, 2020, 1, 16-29.	5.9	24

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37	Biomimetic Antigravity Water Transport and Remote Harvesting Powered by Sunlight. Global Challenges, 2020, 4, 2000043.	1.8	9
38	A cationitrile sequence encodes mild poly(ionic liquid) crosslinking for advanced composite membranes. Materials Horizons, 2020, 7, 2683-2689.	6.4	32
39	Hydrazine Oxidation Reaction: Porous Carbon Membraneâ€Supported Atomically Dispersed Pyrroleâ€Type Feï£¿N₄ as Active Sites for Electrochemical Hydrazine Oxidation Reaction (Small 31/2020). Small, 2020, 16, 2070171.	5.2	2
40	Nano-confinement-inspired metal organic framework/polymer composite separation membranes. Journal of Materials Chemistry A, 2020, 8, 17212-17218.	5.2	18
41	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69
42	Accelerating Crystallization of Open Organic Materials by Poly(ionic liquid)s. Angewandte Chemie - International Edition, 2020, 59, 22109-22116.	7.2	37
43	Polymer-Derived Heteroatom-Doped Porous Carbon Materials. Chemical Reviews, 2020, 120, 9363-9419.	23.0	492
44	Accelerating Crystallization of Open Organic Materials by Poly(ionic liquid)s. Angewandte Chemie, 2020, 132, 22293-22300.	1.6	9
45	Synthetic advances of internally nanostructured polymer particles: From and beyond block copolymer. Nano Select, 2020, 1, 639-658.	1.9	6
46	Thin Porous Poly(ionic liquid) Coatings for Enhanced Headspace Solid Phase Microextraction. Polymers, 2020, 12, 1909.	2.0	9
47	Cryo-Electron microscopy for the study of self-assembled poly(ionic liquid) nanoparticles and protein supramolecular structures. Colloid and Polymer Science, 2020, 298, 707-717.	1.0	13
48	Porous Carbon Membraneâ€Supported Atomically Dispersed Pyrroleâ€Type Feï£¿N₄ as Active Sites for Electrochemical Hydrazine Oxidation Reaction. Small, 2020, 16, e2002203.	5.2	34
49	The Effect of Phenyl Substitutions on Microstructures and Dynamics of Tetraalkylphosphonium Bis(trifluoroâ€methylsulfonyl)imide Ionic Liquids. ChemPhysChem, 2020, 21, 1202-1214.	1.0	3
50	Î²â€Cyclodextrinâ€derived Room Temperature Macromolecular Ionic Liquids by PEGylated Anions. Macromolecular Rapid Communications, 2020, 41, e1900576.	2.0	4
51	Crosslinking of a Single Poly(ionic liquid) by Water into Porous Supramolecular Membranes. Angewandte Chemie, 2020, 132, 17340-17344.	1.6	2
52	Crosslinking of a Single Poly(ionic liquid) by Water into Porous Supramolecular Membranes. Angewandte Chemie - International Edition, 2020, 59, 17187-17191.	7.2	27
53	Hydrogen bonding and charge transport in a protic polymerized ionic liquid. Soft Matter, 2020, 16, 6091-6101.	1.2	13
54	Poly(ionic liquid) composites. Chemical Society Reviews, 2020, 49, 1726-1755.	18.7	234

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55	Microporous organic polymers as CO2 adsorbents: advances and challenges. Materials Today Advances, 2020, 6, 100052.	2.5	42
56	Microstructural and Dynamical Heterogeneities in Ionic Liquids. Chemical Reviews, 2020, 120, 5798-5877.	23.0	277
57	Poly(ionic liquid)s with engineered nanopores for energy and environmental applications. Polymer, 2020, 202, 122640.	1.8	39
58	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. Angewandte Chemie - International Edition, 2019, 58, 13466-13471.	7.2	99
59	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. Angewandte Chemie, 2019, 131, 13600-13605.	1.6	32
60	Fine tuning the hydrophobicity of counterâ€anions to tailor pore size in porous allâ€poly(ionic liquid) membranes. Polymer International, 2019, 68, 1566-1569.	1.6	11
61	In Focus: Poly(ionic liquid)s in Polymer Science and Engineering at the Fall 2018 American Chemical Society National Meeting. Polymer International, 2019, 68, 1545-1546.	1.6	0
62	Poly(Ionic Liquid)-Derived Graphitic Nanoporous Carbon Membrane Enables Superior Supercapacitive Energy Storage. ACS Nano, 2019, 13, 10261-10271.	7.3	46
63	Linear Main-Chain 1,2,4-Triazolium Poly(ionic liquid)s: Single-Step Synthesis and Stabilization of Cellulose Nanocrystals. ACS Macro Letters, 2019, 8, 1372-1377.	2.3	8
64	Ionic organic cage-encapsulating phase-transferable metal clusters. Chemical Science, 2019, 10, 1450-1456.	3.7	42
65	Poly(Ionic Liquid) Nanoparticles Selectively Disrupt Biomembranes. Advanced Science, 2019, 6, 1801602.	5.6	14
66	Templated synthesis of cyclic poly(ionic liquid)s. Reactive and Functional Polymers, 2019, 138, 1-8.	2.0	10
67	Organic Moleculeâ€Driven Polymeric Actuators. Macromolecular Rapid Communications, 2019, 40, e1800896.	2.0	17
68	Long-term stable poly(ionic liquid)/MWCNTs inks enable enhanced surface modification for electrooxidative detection and quantification of dsDNA. Polymer, 2019, 168, 95-103.	1.8	32
69	Thermo-sensitive Microgels Supported Gold Nanoparticles as Temperature-mediated Catalyst. Chinese Journal of Polymer Science (English Edition), 2019, 37, 235-242.	2.0	18
70	Poly(ionic liquid)s: Platform for CO2 capture and catalysis. Current Opinion in Green and Sustainable Chemistry, 2019, 16, 39-46.	3.2	47
71	Poly(ionic liquid)â€Derived Nâ€Doped Carbons with Hierarchical Porosity for Lithiumâ€and Sodiumâ€Ion Batteries. Macromolecular Rapid Communications, 2019, 40, e1800545.	2.0	23
72	Reprocessable porous poly(ionic liquid) membranes derived from main-chain polyimidazolium. European Polymer Journal, 2018, 103, 214-219.	2.6	14

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73	Interactions of Poly(Ionic Liquid) Nanoparticles with Giant Unilamellar Vesicles. Biophysical Journal, 2018, 114, 99a-100a.	0.2	0
74	In situ Î¼-printed optical fiber-tip CO2 sensor using a photocrosslinkable poly(ionic liquid). Sensors and Actuators B: Chemical, 2018, 259, 833-839.	4.0	62
75	Poly(ionic liquid) binders as ionic conductors and polymer electrolyte interfaces for enhanced electrochemical performance of water splitting electrodes. Sustainable Energy and Fuels, 2018, 2, 1446-1451.	2.5	15
76	â€œCooking carbon in a solid saltâ€: Synthesis of porous heteroatom-doped carbon foams for enhanced organic pollutant degradation under visible light. Applied Materials Today, 2018, 12, 168-176.	2.3	19
77	Porous polycarbene-bearing membrane actuator for ultrasensitive weak-acid detection and real-time chemical reaction monitoring. Nature Communications, 2018, 9, 1717.	5.8	42
78	Porous Polyelectrolytes: The Interplay of Charge and Pores for New Functionalities. Angewandte Chemie - International Edition, 2018, 57, 6754-6773.	7.2	122
79	PorÃ¶se Polyelektrolyte: Zusammenspiel zwischen Poren und Ladung fÃ¼r neue Funktionen. Angewandte Chemie, 2018, 130, 6868-6889.	1.6	10
80	RÃ¼cktitelbild: PorÃ¶se Polyelektrolyte: Zusammenspiel zwischen Poren und Ladung fÃ¼r neue Funktionen (Angew. Chem. 23/2018). Angewandte Chemie, 2018, 130, 7064-7064.	1.6	0
81	All-Poly(ionic liquid) Membrane-Derived Porous Carbon Membranes: Scalable Synthesis and Application for Photothermal Conversion in Seawater Desalination. ACS Nano, 2018, 12, 11704-11710.	7.3	104
82	Precise Micropatterning of a Porous Poly(ionic liquid) via Maskless Photolithography for High-Performance Nonenzymatic H₂O₂ Sensing. ACS Nano, 2018, 12, 12551-12557.	7.3	26
83	Three birds, one stone â€“ photo-/piezo-/chemochromism in one conjugated nanoporous ionic organic network. Journal of Materials Chemistry C, 2018, 6, 9065-9070.	2.7	15
84	One-pot synthesis of an ionic porous organic framework for metal-free catalytic CO2 fixation under ambient conditions. Chemical Engineering Journal, 2018, 350, 867-871.	6.6	51
85	Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering. Angewandte Chemie, 2018, 130, 12540-12544.	1.6	14
86	InnenrÃ¼cktitelbild: Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering (Angew. Chem. 38/2018). Angewandte Chemie, 2018, 130, 12765-12765.	1.6	0
87	Ambient Electrosynthesis of Ammonia: Electrode Porosity and Composition Engineering. Angewandte Chemie - International Edition, 2018, 57, 12360-12364.	7.2	160
88	Innovative polyelectrolytes/poly(ionic liquid)s for energy and the environment. Polymer International, 2017, 66, 1119-1128.	1.6	42
89	Plants to Polyelectrolytes: Theophylline Polymers and Their Microsphere Synthesis. Macromolecular Rapid Communications, 2017, 38, 1600748.	2.0	5
90	Hierarchically Arranged Helical Fiber Actuators Derived from Commercial Cloth. Advanced Materials, 2017, 29, 1605103.	11.1	51

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91	Efficient Electrocatalytic Reduction of CO₂ by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO₂ Refinery. Angewandte Chemie - International Edition, 2017, 56, 7847-7852.	7.2	252
92	Molecular Dynamics and Charge Transport in Highly Conductive Polymeric Ionic Liquids. Macromolecules, 2017, 50, 4022-4029.	2.2	33
93	Poly(Ionic Liquid)â€Derived Carbon with Siteâ€Specific Nâ€Doping and Biphasic Heterojunction for Enhanced CO₂ Capture and Sensing. Angewandte Chemie - International Edition, 2017, 56, 7557-7563.	7.2	119
94	Poly(Ionic Liquid)â€Derived Carbon with Siteâ€Specific Nâ€Doping and Biphasic Heterojunction for Enhanced CO₂ Capture and Sensing. Angewandte Chemie, 2017, 129, 7665-7671.	1.6	27
95	General Synthetic Route toward Highly Dispersed Metal Clusters Enabled by Poly(ionic liquid)s. Journal of the American Chemical Society, 2017, 139, 8971-8976.	6.6	110
96	A tale of two membranes: from poly (ionic liquid) to metalâ€“organic framework hybrid nanoporous membranesviapseudomorphic replacement. Materials Horizons, 2017, 4, 681-687.	6.4	39
97	Efficient Electrocatalytic Reduction of CO₂ by Nitrogenâ€Doped Nanoporous Carbon/Carbon Nanotube Membranes: A Step Towards the Electrochemical CO₂ Refinery. Angewandte Chemie, 2017, 129, 7955-7960.	1.6	78
98	Nitrogen-Doped Nanoporous Carbon Membranes with Co/CoP Janus-Type Nanocrystals as Hydrogen Evolution Electrode in Both Acidic and Alkaline Environments. ACS Nano, 2017, 11, 4358-4364.	7.3	199
99	Flexible and Actuating Nanoporous Poly(Ionic Liquid)â€“Paper-Based Hybrid Membranes. ACS Applied Materials & Interfaces, 2017, 9, 15148-15155.	4.0	44
100	Mainâ€Chain Polyimidazolium Polymers by Oneâ€Pot Synthesis and Application as Nitrogenâ€Doped Carbon Precursors. Macromolecular Chemistry and Physics, 2017, 218, 1600586.	1.1	19
101	Main-chain poly(ionic liquid)-derived nitrogen-doped micro/mesoporous carbons for CO 2 capture and selective aerobic oxidation of alcohols. Applied Materials Today, 2017, 7, 159-168.	2.3	42
102	Covalent Cross-Linking of Porous Poly(ionic liquid) Membrane via a Triazine Network. ACS Macro Letters, 2017, 6, 1-5.	2.3	29
103	Synthesis of single-crystal-like nanoporous carbon membranes and their application in overall water splitting. Nature Communications, 2017, 8, 13592.	5.8	142
104	Lightweight, Room-Temperature CO₂ Gas Sensor Based on Rare-Earth Metal-Free Compositesâ€”An Impedance Study. ACS Applied Materials & Interfaces, 2017, 9, 25553-25558.	4.0	46
105	Polytriazolium poly(ionic liquid) bearing triiodide anions: Synthesis, basic properties and electrochemical behaviors. Polymer, 2017, 124, 246-251.	1.8	16
106	Synthesis of porous polymer/tissue paper hybrid membranes for switchable oil/water separation. Scientific Reports, 2017, 7, 3101.	1.6	21
107	Stable Covalently Photoâ€Crosslinked Poly(Ionic Liquid) Membrane with Gradient Pore Size. Macromolecular Rapid Communications, 2017, 38, 1700167.	2.0	10
108	Click-based porous cationic polymers for enhanced carbon dioxide capture. Journal of Materials Chemistry A, 2017, 5, 372-383.	5.2	60

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109	Programmable Actuation of Porous Poly(Ionic Liquid) Membranes by Aligned Carbon Nanotubes. Advanced Materials Interfaces, 2017, 4, 1600768.	1.9	35
110	Ionic Liquids and Poly(ionic liquid)s for Morphosynthesis of Inorganic Materials. Chemistry - A European Journal, 2017, 23, 5391-5403.	1.7	72
111	Fast Conversion of Ionic Liquids and Poly(Ionic Liquid)s into Porous Nitrogen-Doped Carbons in Air. International Journal of Molecular Sciences, 2016, 17, 532.	1.8	9
112	Poly(1â€Vinylâ€1,2,4â€triazolium) Poly(Ionic Liquid)s: Synthesis and the Unique Behavior in Loading Metal Ions. Macromolecular Rapid Communications, 2016, 37, 1124-1129.	2.0	34
113	From Filter Paper to Functional Actuator by Poly(Ionic Liquid)â€Modified Graphene Oxide. Advanced Materials Interfaces, 2016, 3, 1500743.	1.9	27
114	Nitrogen-doped porous carbon nanosheets derived from poly(ionic liquid)s: hierarchical pore structures for efficient CO₂capture and dye removal. Journal of Materials Chemistry A, 2016, 4, 7313-7321.	5.2	157
115	Lower critical solution temperature (LCST) phase behaviour of an ionic liquid and its control by supramolecular hostâ€“guest interactions. Chemical Communications, 2016, 52, 7970-7973.	2.2	43
116	Universal mass spectrometric analysis of poly(ionic liquid)s. Chemical Science, 2016, 7, 4912-4921.	3.7	16
117	Construction of a pillar[6]arene based water-soluble supramolecular pseudopolyrotaxane driven by cucurbit[8]uril-enhanced Î€â€“Î€ interaction. Chemical Communications, 2016, 52, 12510-12512.	2.2	28
118	Nanoporous ionic organic networks: from synthesis to materials applications. Chemical Society Reviews, 2016, 45, 6627-6656.	18.7	152
119	Internal Morphology-Controllable Self-Assembly in Poly(Ionic Liquid) Nanoparticles. ACS Nano, 2016, 10, 7731-7737.	7.3	64
120	Magnetic Poly(Ionic Liquid) Microcapsules for Oil Capture and Recovery. Particle and Particle Systems Characterization, 2016, 33, 734-739.	1.2	15
121	Ionic Liquids in Polymer Design. Macromolecular Rapid Communications, 2016, 37, 1105-1105.	2.0	6
122	Poly(ionic liquid)â€Mediated Morphogenesis of Bismuth Sulfide with a Tunable Band Gap and Enhanced Electrocatalytic Properties. Angewandte Chemie - International Edition, 2016, 55, 12812-12816.	7.2	34
123	Crosslinked 1,2,4-triazolium-type poly(ionic liquid) nanoparticles. Polymer, 2016, 107, 509-516.	1.8	17
124	Poly(ionic liquid)â€Mediated Morphogenesis of Bismuth Sulfide with a Tunable Band Gap and Enhanced Electrocatalytic Properties. Angewandte Chemie, 2016, 128, 13004-13008.	1.6	10
125	Unexpected LCST-type phase behaviour of a poly(vinyl thiazolium) polymer in acetone. RSC Advances, 2016, 6, 57117-57121.	1.7	8
126	Synthesis of Dispersible Mesoporous Nitrogen-Doped Hollow Carbon Nanoplates with Uniform Hexagonal Morphologies for Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 29628-29636.	4.0	37

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127	Harnessing Poly(ionic liquid)s for Sensing Applications. Macromolecular Rapid Communications, 2016, 37, 1106-1115.	2.0	37
128	Controlled radical polymerization and in-depth mass-spectrometric characterization of poly(ionic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	38
129	Heterophase Photocatalysts from Waterâ€Soluble Conjugated Polyelectrolytes: An Example of Selfâ€Initiation under Visible Light. Angewandte Chemie - International Edition, 2015, 54, 14549-14553.	7.2	80
130	Nitrogen-Doped Carbon Electrodes: Influence of Microstructure and Nitrogen Configuration on the Electrical Conductivity of Carbonized Polyacrylonitrile and Poly(ionic liquid) Blends. Macromolecular Chemistry and Physics, 2015, 216, 1930-1944.	1.1	49
131	Porous Membranes Built Up from Hydrophilic Poly(ionic liquid)s. Macromolecular Rapid Communications, 2015, 36, 2176-2180.	2.0	30
132	Thermoresponsive polyelectrolytes derived from ionic liquids. Polymer Chemistry, 2015, 6, 2163-2178.	1.9	184
133	Novel polyvinylimidazolium nanoparticles as high-performance binders for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 7229-7234.	5.2	39
134	Polyvinylpyridinium-type gradient porous membranes: synthesis, actuation and intrinsic cell growth inhibition. Polymer Chemistry, 2015, 6, 4855-4858.	1.9	23
135	Poly(ethylene oxide)-based block copolymers with very high molecular weights for biomimetic calcium phosphate mineralization. RSC Advances, 2015, 5, 103494-103505.	1.7	6
136	Thiazolium Poly(ionic liquid)s: Synthesis and Application as Binder for Lithium-Ion Batteries. ACS Macro Letters, 2015, 4, 1312-1316.	2.3	70
137	Microstructure replication of complex biostructures via poly(ionic liquid)-assisted carbonization. Journal of Materials Chemistry A, 2015, 3, 5778-5782.	5.2	6
138	When Nanoparticles Meet Poly(Ionic Liquid)s: Chemoresistive CO₂ Sensing at Room Temperature. Advanced Functional Materials, 2015, 25, 2537-2542.	7.8	85
139	Conducting, Self-Assembled, Nacre-Mimetic Polymer/Clay Nanocomposites. ACS Applied Materials & Interfaces, 2015, 7, 15681-15685.	4.0	44
140	Poly(ionic liquid)s for enhanced activation of cotton to generate simple and cheap fibrous electrodes for energy applications. Polymer, 2015, 68, 315-320.	1.8	12
141	Sensing Solvents with Ultrasensitive Porous Poly(ionic liquid) Actuators. Advanced Materials, 2015, 27, 2913-2917.	11.1	141
142	Poly(ionic liquid) binders as Li⁺ conducting mediators for enhanced electrochemical performance. RSC Advances, 2015, 5, 85517-85522.	1.7	35
143	Tuning the Pore Size in Gradient Poly(ionic liquid) Membranes by Small Organic Acids. ACS Macro Letters, 2015, 4, 39-42.	2.3	46
144	Poly(ionic liquid) Core Turns Hollow Silica Spheres into Amphiphilic Nanoreactor in Water. Chemistry of Materials, 2015, 27, 127-132.	3.2	32

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145	Poly(ionic liquid)-derived nanoporous carbon analyzed by combination of gas physisorption and small-angle neutron scattering. Carbon, 2015, 82, 425-435.	5.4	37
146	Poly(Ionic Liquid)s as Ionic Liquid-Based Innovative Polyelectrolytes. , 2015, , 47-67.		3
147	Thiazoliumâ€Containing Poly(ionic liquid)s and Ionic Polymers. Macromolecular Symposia, 2014, 342, 67-77.	0.4	8
148	Poly(ionic liquid) colloidal particles. Current Opinion in Colloid and Interface Science, 2014, 19, 76-83.	3.4	61
149	Functional mesoporous poly(ionic liquid)-based copolymer monoliths: From synthesis to catalysis and microporous carbon production. Polymer, 2014, 55, 3423-3430.	1.8	82
150	The Colloidal Stabilization of Carbon with Carbon: Carbon Nanobubbles as both Dispersant and Glue for Carbon Nanotubes. Angewandte Chemie - International Edition, 2014, 53, 1062-1066.	7.2	23
151	Polyelectrolyte as Solvent and Reaction Medium. Journal of the American Chemical Society, 2014, 136, 12-15.	6.6	45
152	A pillar[5]arene/imidazolium [2]rotaxane: solvent- and thermo-driven molecular motions and supramolecular gel formation. Chemical Science, 2014, 5, 247-252.	3.7	196
153	Polyfluorene Polyelectrolyte Nanoparticles: Synthesis of Innovative Stabilizers for Heterophase Polymerization. Macromolecular Rapid Communications, 2014, 35, 1925-1930.	2.0	8
154	Salt-confinement enables production of nitrogen-doped porous carbons in an air oven. RSC Advances, 2014, 4, 37714-37720.	1.7	7
155	Poly(ionic liquid)-Derived Functional-Shaped Carbon Nanomaterials. ACS Symposium Series, 2014, , 17-34.	0.5	3
156	A hybrid porous material from a pillar[5]arene and a poly(ionic liquid): selective adsorption of n-alkylene diols. Chemical Communications, 2014, 50, 2595.	2.2	68
157	Poly(ethylene oxide)-b-poly(3-sulfopropyl methacrylate) Block Copolymers for Calcium Phosphate Mineralization and Biofilm Inhibition. Biomacromolecules, 2014, 15, 3901-3914.	2.6	18
158	Thermodynamic Description of the LCST of Charged Thermoresponsive Copolymers. Macromolecules, 2014, 47, 2096-2102.	2.2	47
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