Timothy E Long

List of Publications by Year
in descending order

312 papers	14,937 citations	20817 60 h-index	25787 108 g-index
323 all docs	323 docs citations	323 times ranked	14389 citing authors

#	Article	IF	Citations
1	Additive manufacturing of highâ€performance engineering polymers: present and future. Polymer International, 2022, 71, 532-536.	3.1	25
2	Characterization and structure-property relationships of an injectable thiol-Michael addition hydrogel toward compatibility with glioblastoma therapy. Acta Biomaterialia, 2022, 144, 266-278.	8.3	5
3	Vat Photopolymerization of Reinforced Styreneâ€“Butadiene Elastomers: A Degradable Scaffold Approach. ACS Applied Materials & Interfaces, 2022, 14, 18965-18973.	8.0	11
4	Nurturing inclusivity: removing obstacles and valuing perspectives. Polymer International, 2022, 71, 499-500.	3.1	0
5	Melt polycondensation of carboxytelechelic polyethylene for the design of degradable segmented copolyester polyolefins. Polymer Chemistry, 2022, 13, 3116-3125.	3.9	10
6	The importance of sharing ideas: recognizing the 140th anniversary of <scp>SCI</scp> leadership. Polymer International, 2022, 71, 739-740.	3.1	0
7	Sustainable additive manufacturing: predicting binder jettability of <scp>waterâ€soluble</scp>, biodegradable and recyclable polymers. Polymer International, 2021, 70, 958-963.	3.1	10
8	UV-assisted direct ink write printing of fully aromatic Poly(amide imide)s: Elucidating the influence of an acrylic scaffold. Polymer, 2021, 212, 123306.	3.8	19
9	Influence of dianhydride regiochemistry on thermomechanical and rheological properties of 3,3â€²- and 4,4â€²-polyetherimides. Polymer, 2021, 212, 123277.	3.8	3
10	Ageing of PBFâ€Grade Poly(Phenylene Sulfide) Powder and its Effect on Critical Printability Properties. Macromolecular Materials and Engineering, 2021, 306, 2000599.	3.6	3
11	Using fillers to tune material properties of an ion-containing semi-crystalline poly(ethylene glycol) for fused filament fabrication additive manufacturing. Additive Manufacturing, 2021, 39, 101844.	3.0	11
12	Predicting mechanical property plateau in laser polymer powder bed fusion additive manufacturing via the critical coalescence ratio. Materials and Design, 2021, 201, 109474.	7.0	11
13	Process-structureâ€“property relationships following thermo-oxidative exposure of powder bed fusion printed poly(phenylene sulfide). MRS Communications, 2021, 11, 179-188.	1.8	2
14	3D Printing Carbonaceous Objects from Polyimide Pyrolysis. ACS Macro Letters, 2021, 10, 412-418.	4.8	14
15	Vat photopolymerization of unsaturated polyesters utilizing a polymerizable ionic liquid as a non-volatile reactive diluent. Polymer, 2021, 223, 123727.	3.8	10
16	Nonâ€isocyanate Polyurethanes from 1,1â€²â€Carbonyldiimidazole: A Polycondensation Approach. Macromolecular Rapid Communications, 2021, 42, e2100163.	3.9	13
17	Hydroxyethylresorcinol- and hydroxyethylhydroquinone-containing poly(ethylene terephthalate) copolymers. Polymer, 2021, 228, 123890.	3.8	2
18	Dissociative Carbamate Exchange Anneals 3D Printed Acrylates. ACS Applied Materials & Interfaces, 2021, 13, 38680-38687.	8.0	18

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19	Quadruple Hydrogen Bond-Containing A-AB-A Triblock Copolymers: Probing the Influence of Hydrogen Bonding in the Central Block. Molecules, 2021, 26, 4705.	3.8	6
20	Supramolecular Salts for Additive Manufacturing of Polyimides. ACS Applied Materials & Interfaces, 2021, 13, 48061-48070.	8.0	9
21	Impact of metal cations on the thermal, mechanical, and rheological properties of telechelic sulfonated polyetherimides. Polymer Chemistry, 2020, 11, 393-400.	3.9	10
22	Facile Preparation of Halogen-Free Poly(ether imide) Containing Phosphonium and Sulfonate Groups. ACS Applied Polymer Materials, 2020, 2, 66-73.	4.4	4
23	Thiolâ€“ene addition enables tailored synthesis of poly(2â€oxazoline)â€graft â€poly(vinyl pyrrolidone) copolymers for binder jetting 3D printing. Polymer International, 2020, 69, 902-911.	3.1	7
24	Phosphonium-Based Polyzwitterions: Influence of Ionic Structure and Association on Mechanical Properties. Macromolecules, 2020, 53, 11009-11018.	4.8	15
25	Phosphonated Poly(ethylene terephthalate) ionomers as compatibilizers in extruded Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo	3.8	10
26	Deciphering the 3D Microstructures of a Doubly Charged Homopolymer through a Complementary Correlation of Monomer Crystallography and Polymer Powder X-ray Diffraction. Macromolecules, 2020, 53, 6529-6537.	4.8	2
27	Novel Electrospun Pullulan Fibers Incorporating Hydroxypropyl-Î²-Cyclodextrin: Morphology and Relation with Rheological Properties. Polymers, 2020, 12, 2558.	4.5	9
28	Light and latex: advances in the photochemistry of polymer colloids. Polymer Chemistry, 2020, 11, 3498-3524.	3.9	22
29	Isocyanate- and solvent-free synthesis of melt processible polyurea elastomers derived from urea as a monomer. RSC Advances, 2020, 10, 18760-18768.	3.6	17
30	Quadruple Hydrogen Bonding Supramolecular Elastomers for Melt Extrusion Additive Manufacturing. ACS Applied Materials & Interfaces, 2020, 12, 32006-32016.	8.0	41
31	Polymer-inorganic hybrid colloids for ultraviolet-assisted direct ink write of polymer nanocomposites. Additive Manufacturing, 2020, 35, 101393.	3.0	19
32	3D Printing Latex: A Route to Complex Geometries of High Molecular Weight Polymers. ACS Applied Materials & Interfaces, 2020, 12, 10918-10928.	8.0	46
33	Synthesis and Characterization of Long-Chain Branched Poly(ether imide)s with A3 Comonomers. ACS Applied Polymer Materials, 2020, 2, 958-965.	4.4	5
34	Vat photopolymerization of liquid, biodegradable PLGA-based oligomers as tissue scaffolds. European Polymer Journal, 2020, 130, 109693.	5.4	22
35	Determination of glass transition temperature of polyimides from atomistic molecular dynamics simulations and <scp>machineâ€learning</scp> algorithms. Journal of Polymer Science, 2020, 58, 1521-1534.	3.8	24
36	110th Anniversary: Vat Photopolymerization-Based Additive Manufacturing: Current Trends and Future Directions in Materials Design. Industrial & Engineering Chemistry Research, 2019, 58, 15109-15118.	3.7	80

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37	Polymer Design for 3D Printing Elastomers: Recent Advances in Structure, Properties, and Printing. Progress in Polymer Science, 2019, 97, 101144.	24.7	169
38	Mechanically Strong, Thermally Stable, and Flame Retardant Poly(ether imide) Terminated with Phosphonium Bromide. Macromolecules, 2019, 52, 7361-7368.	4.8	14
39	Additive Manufacturing of Hydrocarbon Elastomers via Simultaneous Chain Extension and Cross-linking of Hydrogenated Polybutadiene. ACS Applied Polymer Materials, 2019, 1, 684-690.	4.4	30
40	Synthesis and characterization of a nematic fully aromatic polyester based on biphenyl 3,4â€²-dicarboxylic acid. Polymer Chemistry, 2019, 10, 4287-4296.	3.9	9
41	Comparison of Linear and 4-Arm Star Poly(vinyl pyrrolidone) for Aqueous Binder Jetting Additive Manufacturing of Personalized Dosage Tablets. ACS Applied Materials & Interfaces, 2019, 11, 23938-23947.	8.0	51
42	Tuning the material properties of a water-soluble ionic polymer using different counterions for material extrusion additive manufacturing. Polymer, 2019, 176, 283-292.	3.8	16
43	Powder bed fusion of poly(phenylene sulfide) at bed temperatures significantly below melting. Additive Manufacturing, 2019, 28, 506-516.	3.0	18
44	Semiâ€Crystalline Polymer Blends for Material Extrusion Additive Manufacturing Printability: A Case Study with Poly(ethylene terephthalate) and Polypropylene. Macromolecular Materials and Engineering, 2019, 304, 1800764.	3.6	35
45	A review of the process physics and material screening methods for polymer powder bed fusion additive manufacturing. Progress in Polymer Science, 2019, 93, 68-95.	24.7	177
46	Compatibilization of Polyester/Polyamide Blends with a Phosphonated Poly(ethylene terephthalate) Ionomer: Comparison of Monovalent and Divalent Pendant Ions. ACS Applied Polymer Materials, 2019, 1, 1071-1080.	4.4	11
47	Vat photopolymerization of charged monomers: 3D printing with supramolecular interactions. Polymer Chemistry, 2019, 10, 1442-1451.	3.9	46
48	Tailoring the glassy mesophase range of thermotropic polyesters through copolymerization of 4,4â€™-bibenzoate and kinked isomer. Polymer, 2019, 163, 125-133.	3.8	13
49	Doubly Charged ABA Triblock Copolymers: Thermomechanically Robust Physical Network and Hierarchical Microstructures. Macromolecules, 2019, 52, 9168-9176.	4.8	10
50	Amorphous copolyesters based on bibenzoic acids and neopentyl glycol. Journal of Polymer Science Part A, 2019, 57, 579-587.	2.3	8
51	Charge Transport in Imidazolium-Based Homo- and Triblock Poly(ionic liquid)s. Macromolecules, 2019, 52, 620-628.	4.8	13
52	Advanced Polymers for Reduced Energy Consumption in Architecture. Macromolecular Rapid Communications, 2019, 40, 1800597.	3.9	4
53	Quadruple hydrogen bonding containing supramolecular thermoplastic elastomers: Mechanical and morphological correlations. Journal of Polymer Science Part A, 2019, 57, 13-23.	2.3	15
54	3D Printing Amorphous Polysiloxane Terpolymers via Vat Photopolymerization. Macromolecular Chemistry and Physics, 2019, 220, 1800425.	2.2	33

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55	Vat photopolymerization 3D printing of acid-cleavable PEG-methacrylate networks for biomaterial applications. Materials Today Communications, 2019, 19, 204-211.	1.9	59
56	Influence of Bibenzoate Regioisomers on Cyclohexanedimethanol-Based (Co)polyester Structureâ€“Property Relationships. Macromolecules, 2019, 52, 835-843.	4.8	13
57	Advances in Polymeric Materials for Electromechanical Devices. Macromolecular Rapid Communications, 2019, 40, e1800521.	3.9	47
58	Acetyl-protected cytosine and guanine containing acrylics as supramolecular adhesives. Journal of Adhesion, 2019, 95, 146-167.	3.0	7
59	Functional siloxanes with photo-activated, simultaneous chain extension and crosslinking for lithography-based 3D printing. Polymer, 2018, 152, 25-34.	3.8	64
60	Polymerized ionic liquids: Effects of counterâ€anions on ion conduction and polymerization kinetics. Journal of Polymer Science Part A, 2018, 56, 1346-1357.	2.3	20
61	3D Printing All-Aromatic Polyimides Using Stereolithographic 3D Printing of Polyamic Acid Salts. ACS Macro Letters, 2018, 7, 493-497.	4.8	79
62	Electrospinning of plant oilâ€based, nonâ€isocyanate polyurethanes for biomedical applications. Journal of Applied Polymer Science, 2018, 135, 46464.	2.6	19
63	Addressing water scarcity: cationic polyelectrolytes in water treatment and purification. Polymer International, 2018, 67, 799-814.	3.1	47
64	Speaking Different Languages: From Molecules to Manufacturing. Polymer International, 2018, 67, 5-6.	3.1	0
65	Model analysis of feedstock behavior in fused filament fabrication: Enabling rapid materials screening. Polymer, 2018, 152, 51-61.	3.8	77
66	Hydrocarbonâ€Soluble Piperazineâ€Containing Dilithium Anionic Initiator for High Cisâ€1,4 Isoprene Polymerization. Macromolecular Chemistry and Physics, 2018, 219, 1700201.	2.2	7
67	Synthesis and characterization of isocyanate-free polyureas. Green Chemistry, 2018, 20, 243-249.	9.0	40
68	Enhanced scattering induced by electrostatic correlations in concentrated solutions of salt-free dipolar and ionic polymers. Journal of Chemical Physics, 2018, 149, 163336.	3.0	8
69	Printing nanomaterials in shrinking gels. Science, 2018, 362, 1244-1245.	12.6	7
70	Ultraviolet-Assisted Direct Ink Write to Additively Manufacture All-Aromatic Polyimides. ACS Applied Materials & Interfaces, 2018, 10, 34828-34833.	8.0	69
71	Suitability of 3D-Printed devices for low-temperature geochemical experiments. Applied Geochemistry, 2018, 98, 121-126.	3.0	7
72	Nanoscale Resolution of Electric-field Induced Motion in Ionic Diblock Copolymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 32678-32687.	8.0	9

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73	Urea as a monomer for isocyanate-free synthesis of segmented poly(dimethyl siloxane) polyureas. Polymer, 2018, 154, 225-232.	3.8	37
74	Synthesis and characterization of phosphonated Poly(ethylene terephthalate) ionomers. Polymer, 2018, 151, 154-163.	3.8	11
75	Reversibly Cross-linkable Bottlebrush Polymers as Pressure-Sensitive Adhesives. ACS Applied Materials & Interfaces, 2018, 10, 26662-26668.	8.0	50
76	Sugarâ€Derived Poly(Î²â€thioester)s as a Biomedical Scaffold. Macromolecular Chemistry and Physics, 2018, 219, 1800177.	2.2	16
77	Additive manufacturing of pharmaceuticals for precision medicine applications: A review of the promises and perils in implementation. Additive Manufacturing, 2018, 23, 319-328.	3.0	36
78	Synthesis of ureaâ€containing ABA triblock copolymers: Influence of pendant hydrogen bonding on morphology and thermomechanical properties. Journal of Polymer Science Part A, 2018, 56, 1844-1852.	2.3	10
79	Advances in phosphonium-based ionic liquids and poly(ionic liquid)s as conductive materials. European Polymer Journal, 2018, 108, 28-37.	5.4	48
80	Copolyesters based on bibenzoic acids. Polymer, 2018, 135, 120-130.	3.8	11
81	Reaction: Benign by Design Demands Innovation. CheM, 2017, 2, 7-8.	11.7	1
82	Poly(Î²-thioesters) containing monodisperse oxamide hard segments using a chemoselective thiol-Michael addition reaction. Polymer Chemistry, 2017, 8, 2598-2608.	3.9	14
83	Segmented imidazolium ionenes: Solution rheology, thermomechanical properties, and electrospinning. Polymer, 2017, 114, 257-265.	3.8	23
84	Characterization of peptide coatings adhered to synthetic fibers: A versatile model for peptide nucleic acids. International Journal of Adhesion and Adhesives, 2017, 75, 17-22.	2.9	1
85	3D Printing Allâ€Aromatic Polyimides using Maskâ€Projection Stereolithography: Processing the Nonprocessable. Advanced Materials, 2017, 29, 1701240.	21.0	131
86	Synthesis of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers: Influence of Segment Length on Thermomechanical Performance. Macromolecules, 2017, 50, 5107-5113.	4.8	8
87	Polymer structure-property requirements for stereolithographic 3D printing of soft tissue engineering scaffolds. Biomaterials, 2017, 140, 170-188.	11.4	339
88	Poly(ether ester) Ionomers as Water-Soluble Polymers for Material Extrusion Additive Manufacturing Processes. ACS Applied Materials & Interfaces, 2017, 9, 12324-12331.	8.0	25
89	TIPS pentacene loaded PEO-PDLLA core-shell nanoparticles have similar cellular uptake dynamics in M1 and M2 macrophages and in corresponding in vivo microenvironments. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1255-1266.	3.3	13
90	Synthesis and Characterization of Amorphous Bibenzoate (Co)polyesters: Permeability and Rheological Performance. Macromolecules, 2017, 50, 7603-7610.	4.8	23

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91	Influence of cyclobutane segments in cycloaliphatic decahydronaphthalene-containing copolyesters. High Performance Polymers, 2017, 29, 750-756.	1.8	12
92	3D Printing Polymers with Supramolecular Functionality for Biological Applications. Biomacromolecules, 2017, 18, 2669-2687.	5.4	90
93	Thiol-Michael â€˜clickâ€™ hydrogels as an imageable packing material for cancer therapy. Polymer, 2017, 125, 66-75.	3.8	20
94	Living anionic polymerization of 4â€diphenylphosphino styrene for ABC triblock copolymers. Polymer International, 2017, 66, 52-58.	3.1	4
95	Synthesis of Water-Soluble Imidazolium Polyesters as Potential Nonviral Gene Delivery Vehicles. Biomacromolecules, 2017, 18, 68-76.	5.4	15
96	Controlled radical polymerization of anthracene-containing methacrylate copolymers for stimuli-responsive materials. Journal of Polymer Science Part A, 2016, 54, 2302-2311.	2.3	10
97	Diphenylphosphino Styreneâ€Containing Homopolymers: Influence of Alkylation and Mobile Anions on Physical Properties. Macromolecular Rapid Communications, 2016, 37, 1212-1217.	3.9	7
98	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. Green Chemistry, 2016, 18, 4667-4681.	9.0	74
99	Styrenic DABCO salt-containing monomers for the synthesis of novel charged polymers. Polymer Chemistry, 2016, 7, 3370-3374.	3.9	27
100	Influence of nucleobase stoichiometry on the self-assembly of ABC triblock copolymers. Chemical Communications, 2016, 52, 7564-7567.	4.1	19
101	Doubly-Charged Ionomers with Enhanced Microphase-Separation. Macromolecules, 2016, 49, 6965-6972.	4.8	12
102	Ureido cytosine and cytosine-containing acrylic copolymers. Polymer Chemistry, 2016, 7, 6671-6681.	3.9	25
103	Supercritical Fluid Chromatography with Evaporative Light Scattering Detection (SFC-ELSD) for Determination of Oligomer Molecular Weight Distributions. Chromatographia, 2016, 79, 977-984.	1.3	6
104	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. ACS Applied Materials & Interfaces, 2016, 8, 1280-1288.	8.0	40
105	Phosphonium-containing diblock copolymers from living anionic polymerization of 4-diphenylphosphino styrene. Chemical Communications, 2016, 52, 950-953.	4.1	10
106	Hydrogen bond containing multiwalled carbon nanotubes in polyurethane composites. Polymer Composites, 2016, 37, 1425-1434.	4.6	7
107	High-Performance Segmented Liquid Crystalline Copolyesters. Macromolecular Chemistry and Physics, 2015, 216, 1754-1763.	2.2	12
108	Free radical polymerization of caffeineâ€containing methacrylate monomers. Journal of Polymer Science Part A, 2015, 53, 2829-2837.	2.3	4

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109	Synthesis and Characterization of Decahydronaphthalene-Containing Polyesters. Macromolecules, 2015, 48, 8733-8737.	4.8	24
110	Amide-containing segmented copolymers. Progress in Polymer Science, 2015, 45, 1-22.	24.7	73
111	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. Polymer Chemistry, 2015, 6, 2434-2444.	3.9	49
112	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. Journal of Materials Chemistry C, 2015, 3, 3891-3901.	5.5	27
113	Sulfonimide-Containing Triblock Copolymers for Improved Conductivity and Mechanical Performance. Macromolecules, 2015, 48, 4520-4528.	4.8	103
114	3D-Printable Biodegradable Polyester Tissue Scaffolds for Cell Adhesion. Australian Journal of Chemistry, 2015, 68, 1409.	0.9	17
115	Polymeric Imidazoles and Imidazoliums in Nanomedicine: Comparison to Ammoniums and Phosphoniums. , 2015, , 231-266.		1
116	Synthesis and Characterization of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers. Macromolecules, 2014, 47, 8171-8177.	4.8	19
117	3D Printing Phosphonium Ionic Liquid Networks with Mask Projection Microstereolithography. ACS Macro Letters, 2014, 3, 1205-1209.	4.8	91
118	Influence of Counterion on Thermal, Viscoelastic, and Ion Conductive Properties of Phosphonium Ionenes. Macromolecular Symposia, 2014, 342, 56-66.	0.7	9
119	Wellâ€Defined Imidazolium ABA Triblock Copolymers as Ionicâ€Liquidâ€Containing Electroactive Membranes. Macromolecular Chemistry and Physics, 2014, 215, 1319-1331.	2.2	36
120	Synthesis and characterization of poly(propylene glycol) polytrioxamide and poly(urea oxamide) segmented copolymers. Polymer International, 2014, 63, 1184-1191.	3.1	13
121	RAFT polymerization of temperature- and salt-responsive block copolymers as reversible hydrogels. Polymer, 2014, 55, 2325-2331.	3.8	22
122	Toward Recyclable Thermosets. Science, 2014, 344, 706-707.	12.6	62
123	Synthesis, Properties, and Applications of Ionâ€Containing Polyurethane Segmented Copolymers. Macromolecular Chemistry and Physics, 2014, 215, 2161-2174.	2.2	58
124	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. Chemical Communications, 2014, 50, 9145-9148.	4.1	39
125	Thermal and living anionic polymerization of 4-vinylbenzyl piperidine. Polymer Chemistry, 2014, 5, 6003-6011.	3.9	5
126	Solution properties and electrospinning of phosphonium gemini surfactants. Soft Matter, 2014, 10, 3970-3977.	2.7	22

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127	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. Polymer Chemistry, 2014, 5, 3795-3803.	3.9	39
128	Phosphonium cation-containing polymers: From ionic liquids to polyelectrolytes. Polymer, 2014, 55, 3298-3304.	3.8	74
129	Association of Nucleobaseâ€Containing Ammonium Ionenes. Macromolecular Chemistry and Physics, 2014, 215, 2337-2344.	2.2	9
130	The preparation of cation-functionalized multi-wall carbon nanotube/sulfonated polyurethane composites. Carbon, 2013, 54, 133-142.	10.3	19
131	Synthesis and Properties of Sulfonium Polyelectrolytes for Biological Applications. ACS Macro Letters, 2013, 2, 731-735.	4.8	38
132	Synthesis and characterization of siloxane-containing poly(ureaÂoxamide) segmented copolymers. Polymer, 2013, 54, 4849-4857.	3.8	33
133	Effects of Copolymer Structure on the Mechanical Properties of Poly(dimethyl siloxane) Poly(oxamide) Segmented Copolymers. Macromolecular Chemistry and Physics, 2013, 214, 2073-2082.	2.2	21
134	Synthesis of Folic Acidâ€Containing Imidazolium Copolymers for Potential Gene Delivery Applications. Macromolecular Chemistry and Physics, 2013, 214, 797-805.	2.2	12
135	Influence of charge placement on the thermal and morphological properties ofÂsulfonated segmented copolyesters. Polymer, 2013, 54, 3521-3528.	3.8	14
136	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. Macromolecular Chemistry and Physics, 2013, 214, 2099-2107.	2.2	87
137	Polyurethanes Containing an Imidazolium Diolâ€Based Ionicâ€Liquid Chain Extender for Incorporation of Ionicâ€Liquid Electrolytes. Macromolecular Chemistry and Physics, 2013, 214, 1027-1036.	2.2	62
138	Poly(ethylene glycol)-based ammonium ionenes containing nucleobases. Polymer, 2013, 54, 1588-1595.	3.8	21
139	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. Polymer Chemistry, 2013, 4, 2333.	3.9	25
140	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. Macromolecules, 2013, 46, 3037-3045.	4.8	52
141	Phosphonium ionenes from well-defined step-growth polymerization: thermal and melt rheological properties. Polymer Chemistry, 2013, 4, 3582.	3.9	52
142	Photoactive Polyesters Containingo-Nitro Benzyl Ester Functionality for Photodeactivatable Adhesion. Journal of Adhesion, 2013, 89, 548-558.	3.0	15
143	Phosphonium-Containing Diblock Copolymers for Enhanced Colloidal Stability and Efficient Nucleic Acid Delivery. Biomacromolecules, 2012, 13, 2439-2445.	5.4	72
144	Phosphonium-Containing Polyelectrolytes for Nonviral Gene Delivery. Biomacromolecules, 2012, 13, 231-238.	5.4	85

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145	RAFT Synthesis of ABA Triblock Copolymers as Ionic Liquid-Containing Electroactive Membranes. ACS Applied Materials & Interfaces, 2012, 4, 6552-6559.	8.0	46
146	Synthesis of Imidazolium-Containing ABA Triblock Copolymers: Role of Charge Placement, Charge Density, and Ionic Liquid Incorporation. Macromolecules, 2012, 45, 4749-4757.	4.8	69
147	Synthesis of imidazolium ABA triblock copolymers for electromechanical transducers. Polymer, 2012, 53, 3677-3686.	3.8	80
148	Electrospinning of radical polymers: redox-active fibrous membrane formation. Polymer Journal, 2012, 44, 264-268.	2.7	11
149	Imidazolium sulfonate-containing pentablock copolymerâ€“ionic liquid membranes for electroactive actuators. Journal of Materials Chemistry, 2012, 22, 13473.	6.7	86
150	Nucleobase Self-Assembly in Supramolecular Adhesives. Macromolecules, 2012, 45, 805-812.	4.8	119
151	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. Journal of Polymer Science Part A, 2012, 50, 166-173.	2.3	49
152	Correlating backboneâ€toâ€backbone distance to ionic conductivity in amorphous polymerized ionic liquids. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 338-346.	2.1	122
153	A perspective on emerging polymer technologies for bisphenolâ€A replacement. Polymer International, 2012, 61, 1485-1491.	3.1	95
154	Segmented block copolyesters using click chemistry. Journal of Polymer Science Part A, 2012, 50, 3797-3805.	2.3	19
155	Melt transesterification and characterization of segmented block copolyesters containing 2,2,4,4â€tetramethylâ€1,3â€cyclobutanediol. Journal of Polymer Science Part A, 2012, 50, 3710-3718.	2.3	33
156	Structureâ€“Property Relationships of Waterâ€Soluble Ammoniumâ€“Ionene Copolymers. Macromolecular Chemistry and Physics, 2012, 213, 965-972.	2.2	25
157	Controlled Radical Polymerization of 4-Vinylimidazole. Macromolecules, 2012, 45, 3669-3676.	4.8	62
158	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. Polymer, 2012, 53, 1203-1211.	3.8	42
159	Synthesis and solution rheology of adenine-containing polyelectrolytes for electrospinning. Polymer, 2012, 53, 1437-1443.	3.8	6
160	DNAâ€Inspired Hierarchical Polymer Design: Electrostatics and Hydrogen Bonding in Concert. Macromolecular Bioscience, 2012, 12, 29-39.	4.1	22
161	Neutral hydrophilic cathode catalyst binders for microbial fuel cells. Energy and Environmental Science, 2011, 4, 928-934.	30.8	50
162	Thermal, Rheological, and Ion-Transport Properties of Phosphonium-Based Ionic Liquids. Journal of Physical Chemistry A, 2011, 115, 13829-13835.	2.5	57

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163	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. Macromolecules, 2011, 44, 8056-8063.	4.8	49
164	Tailoring Charge Density and Hydrogen Bonding of Imidazolium Copolymers for Efficient Gene Delivery. Biomacromolecules, 2011, 12, 2243-2250.	5.4	70
165	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. Macromolecules, 2011, 44, 6509-6517.	4.8	84
166	Polymers from Fatty Acids: Poly(Ï‰-hydroxyl tetradecanoic acid) Synthesis and Physico-Mechanical Studies. Biomacromolecules, 2011, 12, 3291-3298.	5.4	106
167	Alkylâ€Substituted Nâ€Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. Macromolecular Chemistry and Physics, 2011, 212, 2522-2528.	2.2	139
168	Tailoring macromolecular architecture with imidazole functionality: A perspective for controlled polymerization processes. European Polymer Journal, 2011, 47, 486-496.	5.4	54
169	Introduction of Multiple Hydrogen Bonding for Enhanced Mechanical Performance of Polymer-Carbon Nanotube Composites. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1016-1021.	2.2	12
170	Polymer processing and characterization of LLDPE films loaded with Î±â€tocopherol, quercetin, and their cyclodextrin inclusion complexes. Journal of Applied Polymer Science, 2010, 117, 2299-2309.	2.6	64
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