

Timothy E Long

List of Publications by Year in descending order

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312
papers

14,937
citations

20817

60
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25787

108
g-index

323
all docs

323
docs citations

323
times ranked

14389
citing authors

#	ARTICLE	IF	CITATIONS
1	Michael addition reactions in macromolecular design for emerging technologies. Progress in Polymer Science, 2006, 31, 487-531.	24.7	928
2	Coumarins in Polymers: From Light Harvesting to Photo-Cross-Linkable Tissue Scaffolds. Chemical Reviews, 2004, 104, 3059-3078.	47.7	721
3	Electrospinning of linear homopolymers of poly(methyl methacrylate): exploring relationships between fiber formation, viscosity, molecular weight and concentration in a good solvent. Polymer, 2005, 46, 4799-4810.	3.8	707
4	Correlations of Solution Rheology with Electrospun Fiber Formation of Linear and Branched Polyesters. Macromolecules, 2004, 37, 1760-1767.	4.8	594
5	Polymer structure-property requirements for stereolithographic 3D printing of soft tissue engineering scaffolds. Biomaterials, 2017, 140, 170-188.	11.4	339
6	Imidazole- and imidazolium-containing polymers for biology and material science applications. Polymer, 2010, 51, 2447-2454.	3.8	333
7	Phospholipid Nonwoven Electrospun Membranes. Science, 2006, 311, 353-355.	12.6	271
8	Designing Imidazole-Based Ionic Liquids and Ionic Liquid Monomers for Emerging Technologies. Polymer Reviews, 2009, 49, 291-314.	10.9	270
9	Branched polyesters: recent advances in synthesis and performance. Progress in Polymer Science, 2005, 30, 507-539.	24.7	268
10	Thermoreversible Poly(alkyl acrylates) Consisting of Self-Complementary Multiple Hydrogen Bonding. Macromolecules, 2003, 36, 1083-1088.	4.8	262
11	Solution Rheological Behavior and Electrospinning of Cationic Polyelectrolytes. Macromolecules, 2006, 39, 575-583.	4.8	190
12	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
13	Polymer Design for 3D Printing Elastomers: Recent Advances in Structure, Properties, and Printing. Progress in Polymer Science, 2019, 97, 101144.	24.7	169
14	Combinations of Microphase Separation and Terminal Multiple Hydrogen Bonding in Novel Macromolecules. Journal of the American Chemical Society, 2002, 124, 8599-8604.	13.7	147
15	In Situ Photo-Cross-Linking of Cinnamate Functionalized Poly(methyl methacrylate-co-2-hydroxyethyl) Tj ETQq1 1 0,784314 rgBT /Overlaid	4.8	147
16	Alkyl-Substituted N-Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. Macromolecular Chemistry and Physics, 2011, 212, 2522-2528.	2.2	139
17	Influence of self-complementary hydrogen bonding on solution rheology/electrospinning relationships. Polymer, 2004, 45, 8705-8715.	3.8	133
18	3D Printing All-Aromatic Polyimides using Mask-Projection Stereolithography: Processing the Nonprocessable. Advanced Materials, 2017, 29, 1701240.	21.0	131

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19	Polymerization of A2 with B3 Monomers: A Facile Approach to Hyperbranched Poly(aryl ester)s. <i>Macromolecules</i> , 2003, 36, 9809-9816.	4.8	128
20	Influence of Polycation Molecular Weight on Poly(2-dimethylaminoethyl methacrylate)-Mediated DNA Delivery In Vitro. <i>Biomacromolecules</i> , 2009, 10, 1244-1252.	5.4	128
21	Beyond Nafion: Charged Macromolecules Tailored for Performance as Ionic Polymer Transducers. <i>Macromolecules</i> , 2008, 41, 7765-7775.	4.8	124
22	Correlating backbone-backbone distance to ionic conductivity in amorphous polymerized ionic liquids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 338-346.	2.1	122
23	Nucleobase Self-Assembly in Supramolecular Adhesives. <i>Macromolecules</i> , 2012, 45, 805-812.	4.8	119
24	Recent advances in the synthesis and structure-property relationships of ammonium ionenes. <i>Progress in Polymer Science</i> , 2009, 34, 762-782.	24.7	118
25	Supramolecular Triblock Copolymers Containing Complementary Nucleobase Molecular Recognition. <i>Macromolecules</i> , 2007, 40, 6834-6845.	4.8	116
26	Electrospinning functional nanoscale fibers: a perspective for the future. <i>Polymer International</i> , 2008, 57, 385-389.	3.1	109
27	Polymers from Fatty Acids: Poly(<i>n</i> -hydroxyl tetradecanoic acid) Synthesis and Physico-Mechanical Studies. <i>Biomacromolecules</i> , 2011, 12, 3291-3298.	5.4	106
28	Sulfonimide-Containing Triblock Copolymers for Improved Conductivity and Mechanical Performance. <i>Macromolecules</i> , 2015, 48, 4520-4528.	4.8	103
29	A perspective on emerging polymer technologies for bisphenol A replacement. <i>Polymer International</i> , 2012, 61, 1485-1491.	3.1	95
30	3D Printing Phosphonium Ionic Liquid Networks with Mask Projection Microstereolithography. <i>ACS Macro Letters</i> , 2014, 3, 1205-1209.	4.8	91
31	Thermoreversible Polyesters Consisting of Multiple Hydrogen Bonding (MHB). <i>Macromolecules</i> , 2004, 37, 3519-3522.	4.8	90
32	3D Printing Polymers with Supramolecular Functionality for Biological Applications. <i>Biomacromolecules</i> , 2017, 18, 2669-2687.	5.4	90
33	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2099-2107.	2.2	87
34	Imidazolium sulfonate-containing pentablock copolymer ionic liquid membranes for electroactive actuators. <i>Journal of Materials Chemistry</i> , 2012, 22, 13473.	6.7	86
35	Phosphonium-Containing Polyelectrolytes for Nonviral Gene Delivery. <i>Biomacromolecules</i> , 2012, 13, 231-238.	5.4	85
36	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. <i>Macromolecules</i> , 2011, 44, 6509-6517.	4.8	84

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37	Electrospinning of linear and highly branched segmented poly(urethane urea)s. <i>Polymer</i> , 2005, 46, 2011-2015.	3.8	82
38	Synthesis and Characterization of Novel Complementary Multiple-Hydrogen Bonded (CMHB) Macromolecules via a Michael Addition. <i>Macromolecules</i> , 2002, 35, 8745-8750.	4.8	81
39	Synthesis of imidazolium ABA triblock copolymers for electromechanical transducers. <i>Polymer</i> , 2012, 53, 3677-3686.	3.8	80
40	<i>110th Anniversary</i>: Vat Photopolymerization-Based Additive Manufacturing: Current Trends and Future Directions in Materials Design. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15109-15118.	3.7	80
41	Synthesis of star-shaped polystyrenes via nitroxide-mediated stable free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2001, 39, 216-223.	2.3	79
42	3D Printing All-Aromatic Polyimides Using Stereolithographic 3D Printing of Polyamic Acid Salts. <i>ACS Macro Letters</i> , 2018, 7, 493-497.	4.8	79
43	Model analysis of feedstock behavior in fused filament fabrication: Enabling rapid materials screening. <i>Polymer</i> , 2018, 152, 51-61.	3.8	77
44	Synthesis and Morphology of Segmented Poly(tetramethylene oxide)-Based Polyurethanes Containing Phosphonium Salts. <i>Macromolecules</i> , 2008, 41, 9072-9079.	4.8	76
45	Synthesis and characterization of poly(2-ethylhexyl methacrylate) copolymers containing pendant, self-complementary multiple-hydrogen-bonding sites. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4618-4631.	2.3	74
46	Phosphonium cation-containing polymers: From ionic liquids to polyelectrolytes. <i>Polymer</i> , 2014, 55, 3298-3304.	3.8	74
47	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. <i>Green Chemistry</i> , 2016, 18, 4667-4681.	9.0	74
48	Amide-containing segmented copolymers. <i>Progress in Polymer Science</i> , 2015, 45, 1-22.	24.7	73
49	Phosphonium-Containing Diblock Copolymers for Enhanced Colloidal Stability and Efficient Nucleic Acid Delivery. <i>Biomacromolecules</i> , 2012, 13, 2439-2445.	5.4	72
50	Tailoring Charge Density and Hydrogen Bonding of Imidazolium Copolymers for Efficient Gene Delivery. <i>Biomacromolecules</i> , 2011, 12, 2243-2250.	5.4	70
51	Photoreversible Chain Extension of Poly(ethylene glycol). <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 715-723.	2.2	69
52	Synthesis and Characterization of Poly(ethylene glycol)~Glutathione Conjugate Self-Assembled Nanoparticles for Antioxidant Delivery. <i>Biomacromolecules</i> , 2009, 10, 155-161.	5.4	69
53	Synthesis of Imidazolium-Containing ABA Triblock Copolymers: Role of Charge Placement, Charge Density, and Ionic Liquid Incorporation. <i>Macromolecules</i> , 2012, 45, 4749-4757.	4.8	69
54	Ultraviolet-Assisted Direct Ink Write to Additively Manufacture All-Aromatic Polyimides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34828-34833.	8.0	69

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55	Tailoring the Degree of Branching: Preparation of Poly(ether ester)s via Copolymerization of Poly(ethylene glycol) Oligomers (A2) and 1,3,5-Benzenetricarbonyl Trichloride (B3). <i>Macromolecules</i> , 2005, 38, 3246-3254.	4.8	68
56	Influence of Random Branching on Multiple Hydrogen Bonding in Poly(alkyl methacrylate)s. <i>Macromolecules</i> , 2005, 38, 6015-6023.	4.8	65
57	Polymer processing and characterization of LLDPE films loaded with α -tocopherol, quercetin, and their cyclodextrin inclusion complexes. <i>Journal of Applied Polymer Science</i> , 2010, 117, 2299-2309.	2.6	64
58	Functional siloxanes with photo-activated, simultaneous chain extension and crosslinking for lithography-based 3D printing. <i>Polymer</i> , 2018, 152, 25-34.	3.8	64
59	Controlled Radical Polymerization of 4-Vinylimidazole. <i>Macromolecules</i> , 2012, 45, 3669-3676.	4.8	62
60	Polyurethanes Containing an Imidazolium Diol-Based Ionic Liquid Chain Extender for Incorporation of Ionic Liquid Electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1027-1036.	2.2	62
61	Toward Recyclable Thermosets. <i>Science</i> , 2014, 344, 706-707.	12.6	62
62	Highly Branched Poly(ether ester)s via Cyclization-Free Melt Condensation of A2 Oligomers and B3 Monomers. <i>Macromolecules</i> , 2006, 39, 2788-2793.	4.8	61
63	Association of Star-Shaped Poly(d,l-lactide)s Containing Nucleobase Multiple Hydrogen Bonding. <i>Biomacromolecules</i> , 2007, 8, 302-308.	5.4	61
64	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. <i>Macromolecules</i> , 2010, 43, 790-796.	4.8	61
65	Gemini Surfactant Electrospun Membranes. <i>Langmuir</i> , 2010, 26, 678-683.	3.5	60
66	Synthesis of Chain End Functionalized Multiple Hydrogen Bonded Polystyrenes and Poly(alkyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	4.8	59
67	Influence of Peripheral Hydrogen Bonding on the Mechanical Properties of Photo-Cross-Linked Star-Shaped Poly(d,l-lactide) Networks. <i>Biomacromolecules</i> , 2005, 6, 2866-2874.	5.4	59
68	Vat photopolymerization 3D printing of acid-cleavable PEG-methacrylate networks for biomaterial applications. <i>Materials Today Communications</i> , 2019, 19, 204-211.	1.9	59
69	Synthesis, Properties, and Applications of Ion-Containing Polyurethane Segmented Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 2161-2174.	2.2	58
70	Thermal, Rheological, and Ion-Transport Properties of Phosphonium-Based Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2011, 115, 13829-13835.	2.5	57
71	Synthesis and Characterization of Poly(1,3-cyclohexadiene) Homopolymers and Star-Shaped Polymers. <i>Macromolecules</i> , 2001, 34, 2108-2114.	4.8	56
72	Porous Thin Films Based on Photo-Cross-Linked Star-Shaped Poly(d,l-lactide)s. <i>Langmuir</i> , 2006, 22, 9687-9693.	3.5	56

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73	Tailoring macromolecular architecture with imidazole functionality: A perspective for controlled polymerization processes. <i>European Polymer Journal</i> , 2011, 47, 486-496.	5.4	54
74	Probing the Hard Segment Phase Connectivity and Percolation in Model Segmented Poly(urethane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	53
75	Influence of Counteranion on the Thermal and Solution Behavior of Poly(2-(dimethylamino)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	52
76	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. <i>Macromolecules</i> , 2013, 46, 3037-3045.	4.8	52
77	Phosphonium ionenes from well-defined step-growth polymerization: thermal and melt rheological properties. <i>Polymer Chemistry</i> , 2013, 4, 3582.	3.9	52
78	Super-Hydrophobic Surfaces via Micrometer-Scale Templated Pillars. <i>Chemistry of Materials</i> , 2007, 19, 6145-6149.	6.7	51
79	Comparison of Linear and 4-Arm Star Poly(vinyl pyrrolidone) for Aqueous Binder Jetting Additive Manufacturing of Personalized Dosage Tablets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23938-23947.	8.0	51
80	Synthesis and Characterization of Aliphatic Ammonium Ionenes: Aqueous Size Exclusion Chromatography for Absolute Molecular Weight Characterization. <i>Macromolecules</i> , 2008, 41, 4635-4641.	4.8	50
81	Ionene segmented block copolymers containing imidazolium cations: Structure-property relationships as a function of hard segment content. <i>Polymer</i> , 2010, 51, 1252-1257.	3.8	50
82	Neutral hydrophilic cathode catalyst binders for microbial fuel cells. <i>Energy and Environmental Science</i> , 2011, 4, 928-934.	30.8	50
83	Reversibly Cross-linkable Bottlebrush Polymers as Pressure-Sensitive Adhesives. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26662-26668.	8.0	50
84	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. <i>Macromolecules</i> , 2011, 44, 8056-8063.	4.8	49
85	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 166-173.	2.3	49
86	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. <i>Polymer Chemistry</i> , 2015, 6, 2434-2444.	3.9	49
87	Synthesis and characterization of a novel AB ₂ monomer and corresponding hyperbranched poly(arylene ether phosphine oxide)s. <i>Journal of Polymer Science Part A</i> , 2000, 38, 3736-3741.	2.3	48
88	Development of a Light-Deactivatable PSA <i>Via</i> Photodimerization. <i>Journal of Adhesion</i> , 2005, 81, 213-229.	3.0	48
89	Advances in phosphonium-based ionic liquids and poly(ionic liquid)s as conductive materials. <i>European Polymer Journal</i> , 2018, 108, 28-37.	5.4	48
90	Synthesis and Characterization of Telechelic Poly(ethylene terephthalate) Sodiosulfonate Ionomers. <i>Macromolecules</i> , 2002, 35, 8738-8744.	4.8	47

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91	Preparation of segmented, high molecular weight, aliphatic poly(ether-urea) copolymers in isopropanol. In-situ FTIR studies and polymer synthesis. <i>Polymer</i> , 2004, 45, 5829-5836.	3.8	47
92	Synthesis and Characterization of Star-Shaped Poly(ethylene-co-propylene) Polymers Bearing Terminal Self-Complementary Multiple Hydrogen-Bonding Sites. <i>Macromolecules</i> , 2006, 39, 3132-3139.	4.8	47
93	Addressing water scarcity: cationic polyelectrolytes in water treatment and purification. <i>Polymer International</i> , 2018, 67, 799-814.	3.1	47
94	Advances in Polymeric Materials for Electromechanical Devices. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800521.	3.9	47
95	Synthesis and Characterization of Well-Defined 12,12-Ammonium Ionenes: Evaluating Mechanical Properties as a Function of Molecular Weight. <i>Macromolecules</i> , 2008, 41, 5216-5222.	4.8	46
96	RAFT Synthesis of ABA Triblock Copolymers as Ionic Liquid-Containing Electroactive Membranes. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6552-6559.	8.0	46
97	Vat photopolymerization of charged monomers: 3D printing with supramolecular interactions. <i>Polymer Chemistry</i> , 2019, 10, 1442-1451.	3.9	46
98	3D Printing Latex: A Route to Complex Geometries of High Molecular Weight Polymers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10918-10928.	8.0	46
99	Nano- and bulk-tack adhesive properties of stimuli-responsive, fullerene-polymer blends, containing polystyrene-block-polybutadiene-block-polystyrene and polystyrene-block-polyisoprene-block-polystyrene rubber-based adhesives. <i>Polymer</i> , 2007, 48, 6773-6781.	3.8	44
100	Real-Time Monitoring of the Stable Free Radical Polymerization of Styrene via in-Situ Mid-Infrared Spectroscopy. <i>Macromolecules</i> , 1999, 32, 7954-7957.	4.8	43
101	Effect of Hyperbranched Surface-Migrating Additives on the Electrospinning Behavior of Poly(methyl Methacrylate) / Overlaid	3.5	43
102	Melt Dispersion and Electrospinning of Non-Functionalized Multiwalled Carbon Nanotubes in Thermoplastic Polyurethane. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2102-2106.	3.9	42
103	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. <i>Polymer</i> , 2012, 53, 1203-1211.	3.8	42
104	Polyimides and Other High-Temperature Polymers. , 2003, , 265-326.		41
105	Charged Polymers via Controlled Radical Polymerization and their Implications for Gene Delivery. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1243-1249.	2.2	41
106	Quadruple Hydrogen Bonding Supramolecular Elastomers for Melt Extrusion Additive Manufacturing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32006-32016.	8.0	41
107	Multiple Hydrogen Bonding for Reversible Polymer Surface Adhesion. <i>Langmuir</i> , 2006, 22, 1099-1105.	3.5	40
108	Multiple Hydrogen Bonding for the Noncovalent Attachment of Ionic Functionality in Triblock Copolymers. <i>Macromolecules</i> , 2007, 40, 4396-4398.	4.8	40

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109	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1280-1288.	8.0	40
110	Synthesis and characterization of isocyanate-free polyureas. <i>Green Chemistry</i> , 2018, 20, 243-249.	9.0	40
111	A comparative study of the structure–property behavior of highly branched segmented poly(urethane) Tj ETQq1 1 0.784314 rgBT / 0 3.8 39	3.8	39
112	Degree of Branching of Highly Branched Polyurethanes Synthesized via the Oligomeric A ₂ Plus B ₃ Methodology. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1197-1206.	2.2	39
113	Morphological Analysis of Telechelic Ureidopyrimidone Functional Hydrogen Bonding Linear and Star-Shaped Poly(ethylene-co-propylene)s. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1601-1606.	3.9	39
114	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. <i>Chemical Communications</i> , 2014, 50, 9145-9148.	4.1	39
115	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. <i>Polymer Chemistry</i> , 2014, 5, 3795-3803.	3.9	39
116	Synthesis and cleavage of core-labile poly(alkyl methacrylate) star polymers. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3083-3093.	2.3	38
117	Synthesis and Properties of Sulfonium Polyelectrolytes for Biological Applications. <i>ACS Macro Letters</i> , 2013, 2, 731-735.	4.8	38
118	Synthesis and characterization of chiral liquid-crystalline polyesters containing sugar-based diols via melt polymerization. <i>Journal of Polymer Science Part A</i> , 2003, 41, 2512-2520.	2.3	37
119	Urea as a monomer for isocyanate-free synthesis of segmented poly(dimethyl siloxane) polyureas. <i>Polymer</i> , 2018, 154, 225-232.	3.8	37
120	Well-Defined Imidazolium ABA Triblock Copolymers as Ionic-Liquid-Containing Electroactive Membranes. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1319-1331.	2.2	36
121	Additive manufacturing of pharmaceuticals for precision medicine applications: A review of the promises and perils in implementation. <i>Additive Manufacturing</i> , 2018, 23, 319-328.	3.0	36
122	Semi-Crystalline Polymer Blends for Material Extrusion Additive Manufacturing Printability: A Case Study with Poly(ethylene terephthalate) and Polypropylene. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800764.	3.6	35
123	Poly(ϵ -caprolactone) containing highly branched segmented poly(ester urethane)s via A ₂ with oligomeric B ₃ polymerization. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6285-6295.	2.3	34
124	Taking Advantage of Tailored Electrostatics and Complementary Hydrogen Bonding in the Design of Nanostructures for Biomedical Applications. <i>Macromolecular Symposia</i> , 2008, 270, 1-7.	0.7	34
125	Melt transesterification and characterization of segmented block copolyesters containing 2,2,4,4-tetramethyl-1,3-dicyclobutanediol. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3710-3718.	2.3	33
126	Synthesis and characterization of siloxane-containing poly(urea-oxamide) segmented copolymers. <i>Polymer</i> , 2013, 54, 4849-4857.	3.8	33

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127	3D Printing Amorphous Polysiloxane Terpolymers via Vat Photopolymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800425.	2.2	33
128	Living Anionic Polymerization of Hexamethylcyclotrisiloxane (D3) Using Functionalized Initiation. <i>Macromolecules</i> , 2004, 37, 6657-6659.	4.8	30
129	Additive Manufacturing of Hydrocarbon Elastomers via Simultaneous Chain Extension and Cross-linking of Hydrogenated Polybutadiene. <i>ACS Applied Polymer Materials</i> , 2019, 1, 684-690.	4.4	30
130	Silicon surface modification with trialkoxysilyl-functionalized star-shaped polymers. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3655-3666.	2.3	27
131	Highly Branched Poly(arylene ether)s via Oligomeric A ₂ +B ₃ Strategies. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 576-586.	2.2	27
132	Synthesis of Diazocine-Containing Poly(arylene ether sulfone)s for Tailored Mechanical and Electrochemical Performance. <i>Macromolecules</i> , 2009, 42, 1526-1532.	4.8	27
133	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3891-3901.	5.5	27
134	Styrenic DABCO salt-containing monomers for the synthesis of novel charged polymers. <i>Polymer Chemistry</i> , 2016, 7, 3370-3374.	3.9	27
135	Novel Michael Addition Networks Containing Poly(propylene glycol) Telechelic Oligomers. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1324-1333.	2.2	25
136	Structure-Property Relationships of Water-Soluble Ammonium-Ionene Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 965-972.	2.2	25
137	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. <i>Polymer Chemistry</i> , 2013, 4, 2333.	3.9	25
138	Ureido cytosine and cytosine-containing acrylic copolymers. <i>Polymer Chemistry</i> , 2016, 7, 6671-6681.	3.9	25
139	Poly(ether ester) Ionomers as Water-Soluble Polymers for Material Extrusion Additive Manufacturing Processes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12324-12331.	8.0	25
140	Additive manufacturing of high-performance engineering polymers: present and future. <i>Polymer International</i> , 2022, 71, 532-536.	3.1	25
141	Synthesis and Characterization of Decahydronaphthalene-Containing Polyesters. <i>Macromolecules</i> , 2015, 48, 8733-8737.	4.8	24
142	Determination of glass transition temperature of polyimides from atomistic molecular dynamics simulations and machine-learning algorithms. <i>Journal of Polymer Science</i> , 2020, 58, 1521-1534.	3.8	24
143	Oxidation and epoxidation of poly(1,3-cyclohexadiene). <i>Journal of Polymer Science Part A</i> , 2003, 41, 84-93.	2.3	23
144	Submicron functional fibrous scaffolds based on electrospun phospholipids. <i>Journal of Materials Chemistry</i> , 2007, 17, 605-608.	6.7	23

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145	Segmented imidazolium ionenes: Solution rheology, thermomechanical properties, and electrospinning. <i>Polymer</i> , 2017, 114, 257-265.	3.8	23
146	Synthesis and Characterization of Amorphous Bibenzoate (Co)polyesters: Permeability and Rheological Performance. <i>Macromolecules</i> , 2017, 50, 7603-7610.	4.8	23
147	Michael addition for crosslinking of poly(caprolactone)s. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5437-5447.	2.3	22
148	Melt Synthesis and Characterization of Aliphatic Low-T _g Polyesters as Pressure Sensitive Adhesives. <i>Journal of Adhesion</i> , 2010, 86, 395-408.	3.0	22
149	DNA-Inspired Hierarchical Polymer Design: Electrostatics and Hydrogen Bonding in Concert. <i>Macromolecular Bioscience</i> , 2012, 12, 29-39.	4.1	22
150	RAFT polymerization of temperature- and salt-responsive block copolymers as reversible hydrogels. <i>Polymer</i> , 2014, 55, 2325-2331.	3.8	22
151	Solution properties and electrospinning of phosphonium gemini surfactants. <i>Soft Matter</i> , 2014, 10, 3970-3977.	2.7	22
152	Light and latex: advances in the photochemistry of polymer colloids. <i>Polymer Chemistry</i> , 2020, 11, 3498-3524.	3.9	22
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