Timothy E Long

List of Publications by Citations

308 papers	12,403 citations	56 h-index	100 g-index
323 ext. papers	13,529 ext. citations	5.9 avg, IF	6.7 L-index

#	Paper	IF	Citations
308	Michael addition reactions in macromolecular design for emerging technologies. *Progress in Polymer Science*, **2006**, 31, 487-531	29.6	807
307	Coumarins in polymers: from light harvesting to photo-cross-linkable tissue scaffolds. *Chemical Reviews*, **2004**, 104, 3059-77	68.1	646
306	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	3.9	619
305	Correlations of Solution Rheology with Electrospun Fiber Formation of Linear and Branched Polyesters. *Macromolecules*, **2004**, 37, 1760-1767	5.5	532
304	Imidazole- and imidazolium-containing polymers for biology and material science applications. *Polymer*, **2010**, 51, 2447-2454	3.9	276
303	Phospholipid nonwoven electrospun membranes. *Science*, **2006**, 311, 353-5	33.3	245
302	Branched polyesters: recent advances in synthesis and performance. *Progress in Polymer Science*, **2005**, 30, 507-539	29.6	240
301	Designing Imidazole-Based Ionic Liquids and Ionic Liquid Monomers for Emerging Technologies. *Polymer Reviews*, **2009**, 49, 291-314	14	238
300	Polymer structure-property requirements for stereolithographic 3D printing of soft tissue engineering scaffolds. *Biomaterials*, **2017**, 140, 170-188	15.6	226
299	Thermoreversible Poly(alkyl acrylates) Consisting of Self-Complementary Multiple Hydrogen Bonding. *Macromolecules*, **2003**, 36, 1083-1088	5.5	219
298	Solution Rheological Behavior and Electrospinning of Cationic Polyelectrolytes. *Macromolecules*, **2006**, 39, 575-583	5.5	169
297	Combinations of microphase separation and terminal multiple hydrogen bonding in novel macromolecules. *Journal of the American Chemical Society*, **2002**, 124, 8599-604	16.4	137
296	In Situ Photo-Cross-Linking of Cinnamate Functionalized Poly(methyl methacrylate-co-2-hydroxyethyl acrylate) Fibers during Electrospinning. *Macromolecules*, **2004**, 37, 9211-9218	5.5	131
295	Influence of self-complementary hydrogen bonding on solution rheology/electrospinning relationships. *Polymer*, **2004**, 45, 8705-8715	3.9	126
294	Alkyl-Substituted N-Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. *Macromolecular Chemistry and Physics*, **2011**, 212, 2522-2528	2.6	125
293	Polymerization of A2 with B3 Monomers: A Facile Approach to Hyperbranched Poly(aryl ester)s. *Macromolecules*, **2003**, 36, 9809-9816	5.5	124
292	Beyond Nafion: Charged Macromolecules Tailored for Performance as Ionic Polymer Transducers. *Macromolecules*, **2008**, 41, 7765-7775	5.5	119

291	Influence of polycation molecular weight on poly(2-dimethylaminoethyl methacrylate)-mediated DNA delivery in vitro. *Biomacromolecules*, **2009**, 10, 1244-52	6.9	116
290	Supramolecular Triblock Copolymers Containing Complementary Nucleobase Molecular Recognition. *Macromolecules*, **2007**, 40, 6834-6845	5.5	109
289	Recent advances in the synthesis and structure–property relationships of ammonium ionenes. *Progress in Polymer Science*, **2009**, 34, 762-782	29.6	106
288	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	2.6	101
287	3D Printing All-Aromatic Polyimides using Mask-Projection Stereolithography: Processing the Nonprocessable. *Advanced Materials*, **2017**, 29, 1701240	24	99
286	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	29.6	99
285	Nucleobase Self-Assembly in Supramolecular Adhesives. *Macromolecules*, **2012**, 45, 805-812	5.5	96
284	Polymers from fatty acids: poly(ω-hydroxyl tetradecanoic acid) synthesis and physico-mechanical studies. *Biomacromolecules*, **2011**, 12, 3291-8	6.9	96
283	Electrospinning functional nanoscale fibers: a perspective for the future. *Polymer International*, **2008**, 57, 385-389	3.3	92
282	Thermoreversible Polyesters Consisting of Multiple Hydrogen Bonding (MHB). *Macromolecules*, **2004**, 37, 3519-3522	5.5	85
281	Imidazolium sulfonate-containing pentablock copolymer ionic liquid membranes for electroactive actuators. *Journal of Materials Chemistry*, **2012**, 22, 13473		82
280	Polymer Design for 3D Printing Elastomers: Recent Advances in Structure, Properties, and Printing. *Progress in Polymer Science*, **2019**, 97, 101144	29.6	81
279	Phosphonium-containing polyelectrolytes for nonviral gene delivery. *Biomacromolecules*, **2012**, 13, 231-8	6.9	81
278	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. *Macromolecules*, **2011**, 44, 6509-6517	5.5	79
277	Sulfonimide-Containing Triblock Copolymers for Improved Conductivity and Mechanical Performance. *Macromolecules*, **2015**, 48, 4520-4528	5.5	78
276	Electrospinning of linear and highly branched segmented poly(urethane urea)s. *Polymer*, **2005**, 46, 2011-2015	3.9	77
275	Synthesis and Characterization of Novel Complementary Multiple-Hydrogen Bonded (CMHB) Macromolecules via a Michael Addition. *Macromolecules*, **2002**, 35, 8745-8750	5.5	77
274	3D Printing Phosphonium Ionic Liquid Networks with Mask Projection Microstereolithography. *ACS Macro Letters*, **2014**, 3, 1205-1209	6.6	75

273	Synthesis of imidazolium ABA triblock copolymers for electromechanical transducers. *Polymer*, **2012**, 53, 3677-3686	3.9	75
272	Synthesis of star-shaped polystyrenes via nitroxide-mediated stable free-radical polymerization. *Journal of Polymer Science Part A*, **2001**, 39, 216-223	2.5	75
271	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. *Macromolecular Chemistry and Physics*, **2013**, 214, 2099-2107	2.6	73
270	A perspective on emerging polymer technologies for bisphenol-A replacement. *Polymer International*, **2012**, 61, 1485-1491	3.3	73
269	3D Printing Polymers with Supramolecular Functionality for Biological Applications. *Biomacromolecules*, **2017**, 18, 2669-2687	6.9	70
268	Phosphonium-containing diblock copolymers for enhanced colloidal stability and efficient nucleic acid delivery. *Biomacromolecules*, **2012**, 13, 2439-45	6.9	69
267	Synthesis of Imidazolium-Containing ABA Triblock Copolymers: Role of Charge Placement, Charge Density, and Ionic Liquid Incorporation. *Macromolecules*, **2012**, 45, 4749-4757	5.5	68
266	Phosphonium cation-containing polymers: From ionic liquids to polyelectrolytes. *Polymer*, **2014**, 55, 3298-3304	3.9	67
265	Synthesis and characterization of poly(2-ethylhexyl methacrylate) copolymers containing pendant, self-complementary multiple-hydrogen-bonding sites. *Journal of Polymer Science Part A*, **2005**, 43, 4618-4631	2.5	67
264	Tailoring charge density and hydrogen bonding of imidazolium copolymers for efficient gene delivery. *Biomacromolecules*, **2011**, 12, 2243-50	6.9	66
263	Synthesis and Morphology of Segmented Poly(tetramethylene oxide)-Based Polyurethanes Containing Phosphonium Salts. *Macromolecules*, **2008**, 41, 9072-9079	5.5	66
262	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). *Macromolecules* , **2005**, 38, 3246-3254	5.5	65
261	Synthesis and characterization of poly(ethylene glycol)-glutathione conjugate self-assembled nanoparticles for antioxidant delivery. *Biomacromolecules*, **2009**, 10, 155-61	6.9	64
260	Influence of Random Branching on Multiple Hydrogen Bonding in Poly(alkyl methacrylate)s. *Macromolecules*, **2005**, 38, 6015-6023	5.5	63
259	Photoreversible Chain Extension of Poly(ethylene glycol). *Macromolecular Chemistry and Physics*, **2004**, 205, 715-723	2.6	60
258	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. *Green Chemistry*, **2016**, 18, 4667-4681	10	59
257	Synthesis of Chain End Functionalized Multiple Hydrogen Bonded Polystyrenes and Poly(alkyl acrylates) Using Controlled Radical Polymerization. *Macromolecules*, **2004**, 37, 9331-9337	5.5	58
256	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. *Macromolecules*, **2010**, 43, 790-796	5.5	57

255	Association of star-shaped poly(D,L-lactide)s containing nucleobase multiple hydrogen bonding. *Biomacromolecules*, **2007**, 8, 302-8	6.9	57
254	Highly Branched Poly(ether ester)s via Cyclization-Free Melt Condensation of A2 Oligomers and B3 Monomers. *Macromolecules*, **2006**, 39, 2788-2793	5.5	57
253	Polyurethanes Containing an Imidazolium Diol-Based Ionic-Liquid Chain Extender for Incorporation of Ionic-Liquid Electrolytes. *Macromolecular Chemistry and Physics*, **2013**, 214, 1027-1036	2.6	56
252	Controlled Radical Polymerization of 4-Vinylimidazole. *Macromolecules*, **2012**, 45, 3669-3676	5.5	56
251	Influence of peripheral hydrogen bonding on the mechanical properties of photo-cross-linked star-shaped poly(D,L-lactide) networks. *Biomacromolecules*, **2005**, 6, 2866-74	6.9	56
250	Amide-containing segmented copolymers. *Progress in Polymer Science*, **2015**, 45, 1-22	29.6	55
249	Gemini surfactant electrospun membranes. *Langmuir*, **2010**, 26, 678-83	4	55
248	Polymer processing and characterization of LLDPE films loaded with □-tocopherol, quercetin, and their cyclodextrin inclusion complexes. *Journal of Applied Polymer Science*, **2010**, 117, 2299-2309	2.9	54
247	Porous thin films based on photo-cross-linked star-shaped poly(D,L-lactide)s. *Langmuir*, **2006**, 22, 9687-93	4	54
246	Synthesis and Characterization of Poly(1,3-cyclohexadiene) Homopolymers and Star-Shaped Polymers. *Macromolecules*, **2001**, 34, 2108-2114	5.5	53
245	Model analysis of feedstock behavior in fused filament fabrication: Enabling rapid materials screening. *Polymer*, **2018**, 152, 51-61	3.9	52
244	3D Printing All-Aromatic Polyimides Using Stereolithographic 3D Printing of Polyamic Acid Salts. *ACS Macro Letters*, **2018**, 7, 493-497	6.6	51
243	Tailoring macromolecular architecture with imidazole functionality: A perspective for controlled polymerization processes. *European Polymer Journal*, **2011**, 47, 486-496	5.2	51
242	Phosphonium ionenes from well-defined step-growth polymerization: thermal and melt rheological properties. *Polymer Chemistry*, **2013**, 4, 3582	4.9	50
241	Probing the Hard Segment Phase Connectivity and Percolation in Model Segmented Poly(urethane urea) Copolymers. *Macromolecules*, **2005**, 38, 5681-5685	5.5	50
240	Synthesis, Properties, and Applications of Ion-Containing Polyurethane Segmented Copolymers. *Macromolecular Chemistry and Physics*, **2014**, 215, 2161-2174	2.6	47
239	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. *Macromolecules*, **2013**, 46, 3037-3045	5.5	47
238	Thermal, rheological, and ion-transport properties of phosphonium-based ionic liquids. *Journal of Physical Chemistry A*, **2011**, 115, 13829-35	2.8	47

237	Ionene segmented block copolymers containing imidazolium cations: Structure–property relationships as a function of hard segment content. *Polymer*, **2010**, 51, 1252-1257	3.9	46
236	Synthesis and Characterization of Aliphatic Ammonium Ionenes: Aqueous Size Exclusion Chromatography for Absolute Molecular Weight Characterization. *Macromolecules*, **2008**, 41, 4635-4641	5.5	46
235	Synthesis and characterization of a novel AB2 monomer and corresponding hyperbranched poly(arylene ether phosphine oxide)s. *Journal of Polymer Science Part A*, **2000**, 38, 3736-3741	2.5	46
234	Influence of Counteranion on the Thermal and Solution Behavior of Poly(2-(dimethylamino)ethyl methacrylate)-Based Polyelectrolytes. *Macromolecules*, **2010**, 43, 9998-10005	5.5	45
233	Super-Hydrophobic Surfaces via Micrometer-Scale Templated Pillars. *Chemistry of Materials*, **2007**, 19, 6145-6149	9.6	45
232	Synthesis and Characterization of Star-Shaped Poly(ethylene-co-propylene) Polymers Bearing Terminal Self-Complementary Multiple Hydrogen-Bonding Sites. *Macromolecules*, **2006**, 39, 3132-3139	5.5	45
231	Synthesis and Characterization of Well-Defined 12,12-Ammonium Ionenes: Evaluating Mechanical Properties as a Function of Molecular Weight. *Macromolecules*, **2008**, 41, 5216-5222	5.5	44
230	RAFT synthesis of ABA triblock copolymers as ionic liquid-containing electroactive membranes. *ACS Applied Materials & Interfaces*, **2012**, 4, 6552-9	9.5	43
229	Preparation of segmented, high molecular weight, aliphatic poly(ether-urea) copolymers in isopropanol. In-situ FTIR studies and polymer synthesis. *Polymer*, **2004**, 45, 5829-5836	3.9	43
228	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. *Polymer Chemistry*, **2015**, 6, 2434-2444	4.9	42
227	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. *Polymer*, **2007**, 48, 6773-6781	3.9	42
226	Synthesis and Characterization of Telechelic Poly(ethylene terephthalate) Sodiosulfonate Ionomers. *Macromolecules*, **2002**, 35, 8738-8744	5.5	42
225	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. *Journal of Polymer Science Part A*, **2012**, 50, 166-173	2.5	41
224	Neutral hydrophilic cathode catalyst binders for microbial fuel cells. *Energy and Environmental Science*, **2011**, 4, 928-934	35.4	41
223	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. *Macromolecules*, **2011**, 44, 8056-8063	5.5	41
222	Melt dispersion and electrospinning of non-functionalized multiwalled carbon nanotubes in thermoplastic polyurethane. *Macromolecular Rapid Communications*, **2009**, 30, 2102-6	4.8	41
221	Real-Time Monitoring of the Stable Free Radical Polymerization of Styrene via in-Situ Mid-Infrared Spectroscopy. *Macromolecules*, **1999**, 32, 7954-7957	5.5	41
220	Development of a Light-Deactivatable PSA Via Photodimerization **2005**, 81, 213-229		40

219	Functional siloxanes with photo-activated, simultaneous chain extension and crosslinking for lithography-based 3D printing. *Polymer*, **2018**, 152, 25-34	3.9	39
218	110th Anniversary: Vat Photopolymerization-Based Additive Manufacturing: Current Trends and Future Directions in Materials Design. *Industrial & Engineering Chemistry Research*, **2019**, 58, 15109-15118	3.9	39
217	Materials science. Toward recyclable thermosets. *Science*, **2014**, 344, 706-7	33.3	39
216	Effect of hyperbranched surface-migrating additives on the electrospinning behavior of poly(methyl methacrylate). *Langmuir*, **2008**, 24, 654-7	4	39
215	Multiple Hydrogen Bonding for the Noncovalent Attachment of Ionic Functionality in Triblock Copolymers. *Macromolecules*, **2007**, 40, 4396-4398	5.5	39
214	Charged Polymers via Controlled Radical Polymerization and their Implications for Gene Delivery. *Macromolecular Chemistry and Physics*, **2007**, 208, 1243-1249	2.6	39
213	Synthesis and cleavage of core-labile poly(alkyl methacrylate) star polymers. *Journal of Polymer Science Part A*, **2003**, 41, 3083-3093	2.5	38
212	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. *Polymer*, **2012**, 53, 1203-1211	3.9	37
211	Degree of Branching of Highly Branched Polyurethanes Synthesized via the Oligomeric A2 Plus B3 Methodology. *Macromolecular Chemistry and Physics*, **2006**, 207, 1197-1206	2.6	37
210	Ultraviolet-Assisted Direct Ink Write to Additively Manufacture All-Aromatic Polyimides. *ACS Applied Materials & Interfaces*, **2018**, 10, 34828-34833	9.5	37
209	Morphological Analysis of Telechelic Ureidopyrimidone Functional Hydrogen Bonding Linear and Star-Shaped Poly(ethylene-co-propylene)s. *Macromolecular Rapid Communications*, **2007**, 28, 1601-1606	4.8	35
208	A comparative study of the structure–property behavior of highly branched segmented poly(urethane urea) copolymers and their linear analogs. *Polymer*, **2005**, 46, 10180-10190	3.9	35
207	Vat photopolymerization 3D printing of acid-cleavable PEG-methacrylate networks for biomaterial applications. *Materials Today Communications*, **2019**, 19, 204-211	2.5	35
206	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. *ACS Applied Materials & Interfaces*, **2016**, 8, 1280-8	9.5	34
205	Reversibly Cross-linkable Bottlebrush Polymers as Pressure-Sensitive Adhesives. *ACS Applied Materials & Interfaces*, **2018**, 10, 26662-26668	9.5	33
204	Advances in phosphonium-based ionic liquids and poly(ionic liquid)s as conductive materials. *European Polymer Journal*, **2018**, 108, 28-37	5.2	33
203	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. *Polymer Chemistry*, **2014**, 5, 3795-3803	4.9	33
202	Multiple hydrogen bonding for reversible polymer surface adhesion. *Langmuir*, **2006**, 22, 1099-105	4	33

201	Synthesis and characterization of chiral liquid-crystalline polyesters containing sugar-based diols via melt polymerization. *Journal of Polymer Science Part A*, **2003**, 41, 2512-2520	2.5	33
200	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. *Chemical Communications*, **2014**, 50, 9145-8	5.8	32
199	Synthesis and Properties of Sulfonium Polyelectrolytes for Biological Applications. *ACS Macro Letters*, **2013**, 2, 731-735	6.6	32
198	Well-Defined Imidazolium ABA Triblock Copolymers as Ionic-Liquid-Containing Electroactive Membranes. *Macromolecular Chemistry and Physics*, **2014**, 215, 1319-1331	2.6	32
197	Advances in Polymeric Materials for Electromechanical Devices. *Macromolecular Rapid Communications*, **2019**, 40, e1800521	4.8	32
196	Vat photopolymerization of charged monomers: 3D printing with supramolecular interactions. *Polymer Chemistry*, **2019**, 10, 1442-1451	4.9	31
195	Taking Advantage of Tailored Electrostatics and Complementary Hydrogen Bonding in the Design of Nanostructures for Biomedical Applications. *Macromolecular Symposia*, **2008**, 270, 1-7	0.8	31
194	Synthesis and characterization of siloxane-containing poly(urea□oxamide) segmented copolymers. *Polymer*, **2013**, 54, 4849-4857	3.9	30
193	Additive manufacturing of pharmaceuticals for precision medicine applications: A review of the promises and perils in implementation. *Additive Manufacturing*, **2018**, 23, 319-328	6.1	28
192	Poly(caprolactone) containing highly branched segmented poly(ester urethane)s via A2 with oligomeric B3 polymerization. *Journal of Polymer Science Part A*, **2008**, 46, 6285-6295	2.5	28
191	Melt transesterification and characterization of segmented block copolyesters containing 2,2,4,4-tetramethyl-1,3-cyclobutanediol. *Journal of Polymer Science Part A*, **2012**, 50, 3710-3718	2.5	27
190	Highly Branched Poly(arylene ether)s via Oligomeric A2 + B3 Strategies. *Macromolecular Chemistry and Physics*, **2006**, 207, 576-586	2.6	27
189	Living Anionic Polymerization of Hexamethylcyclotrisiloxane (D3) Using Functionalized Initiation. *Macromolecules*, **2004**, 37, 6657-6659	5.5	26
188	Silicon surface modification with trialkoxysilyl-functionalized star-shaped polymers. *Journal of Polymer Science Part A*, **2005**, 43, 3655-3666	2.5	26
187	3D Printing Amorphous Polysiloxane Terpolymers via Vat Photopolymerization. *Macromolecular Chemistry and Physics*, **2019**, 220, 1800425	2.6	26
186	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. *Journal of Materials Chemistry C*, **2015**, 3, 3891-3901	7.1	25
185	Synthesis and characterization of isocyanate-free polyureas. *Green Chemistry*, **2018**, 20, 243-249	10	25
184	Addressing water scarcity: cationic polyelectrolytes in water treatment and purification. *Polymer International*, **2018**, 67, 799-814	3.3	24

183	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. *Polymer Chemistry*, **2013**, 4, 2333	4.9	24
182	Synthesis of Diazocine-Containing Poly(arylene ether sulfone)s for Tailored Mechanical and Electrochemical Performance. *Macromolecules*, **2009**, 42, 1526-1532	5.5	24
181	Novel Michael Addition Networks Containing Poly(propylene glycol) Telechelic Oligomers. *Macromolecular Chemistry and Physics*, **2006**, 207, 1324-1333	2.6	24
180	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	9.5	23
179	Oxidation and epoxidation of poly(1,3-cyclohexadiene). *Journal of Polymer Science Part A*, **2003**, 41, 84-93	2.5	23
178	DNA-inspired hierarchical polymer design: electrostatics and hydrogen bonding in concert. *Macromolecular Bioscience*, **2012**, 12, 29-39	5.5	22
177	Structure–Property Relationships of Water-Soluble Ammonium Ionene Copolymers. *Macromolecular Chemistry and Physics*, **2012**, 213, 965-972	2.6	22
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175	Styrenic DABCO salt-containing monomers for the synthesis of novel charged polymers. *Polymer Chemistry*, **2016**, 7, 3370-3374	4.9	22
174	Synthesis and Characterization of Decahydronaphthalene-Containing Polyesters. *Macromolecules*, **2015**, 48, 8733-8737	5.5	21
173	Microphase-Separated Poly(vinylpyridine) Block Copolymer Prepared with a Novel Bifunctional Initiator. *Macromolecular Chemistry and Physics*, **2009**, 210, 579-584	2.6	21
172	3D Printing Latex: A Route to Complex Geometries of High Molecular Weight Polymers. *ACS Applied Materials & Interfaces*, **2020**, 12, 10918-10928	9.5	20
171	RAFT polymerization of temperature- and salt-responsive block copolymers as reversible hydrogels. *Polymer*, **2014**, 55, 2325-2331	3.9	20
170	Effects of Copolymer Structure on the Mechanical Properties of Poly(dimethyl siloxane) Poly(oxamide) Segmented Copolymers. *Macromolecular Chemistry and Physics*, **2013**, 214, 2073-2082	2.6	20
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166	Synthesis and Characterization of Amorphous Bibenzoate (Co)polyesters: Permeability and Rheological Performance. *Macromolecules*, **2017**, 50, 7603-7610	5.5	19

165	Michael addition for crosslinking of poly(caprolactone)s. *Journal of Polymer Science Part A*, **2009**, 47, 5437-5447	2.5	19
164	Influence of Site-Specific Sulfonation on Acrylic Graft Copolymer Morphology. *Macromolecules*, **2008**, 41, 3503-3512	5.5	19
163	Fundamental Investigations of the Free Radical Copolymerization and Terpolymerization of Maleic Anhydride, Norbornene, and Norbornene tert-Butyl Ester: In-Situ Mid-Infrared Spectroscopic Analysis. *Macromolecules*, **2001**, 34, 8064-8071	5.5	19
162	Segmented imidazolium ionenes: Solution rheology, thermomechanical properties, and electrospinning. *Polymer*, **2017**, 114, 257-265	3.9	18
161	Poly(ether ester) Ionomers as Water-Soluble Polymers for Material Extrusion Additive Manufacturing Processes. *ACS Applied Materials & Interfaces*, **2017**, 9, 12324-12331	9.5	18
160	Poly(ethylene glycol)-based ammonium ionenes containing nucleobases. *Polymer*, **2013**, 54, 1588-1595	3.9	18
159	Melt Synthesis and Characterization of Aliphatic Low-Tg Polyesters as Pressure Sensitive Adhesives **2010**, 86, 395-408		18
158	Ionomer design for augmented charge transport in novel ionic polymer transducers. *Smart Materials and Structures*, **2009**, 18, 104005	3.4	18
157	Electrospinning zwitterion-containing nanoscale acrylic fibers. *Polymer*, **2009**, 50, 4781-4787	3.9	18
156	Oligomeric A2 + B3 synthesis of highly branched polysulfone ionomers: novel candidates for ionic polymer transducers. *Polymer International*, **2010**, 59, 25-35	3.3	18
155	Synthesis and characterization of triglyceride-based polyols and tack-free coatings via the air oxidation of soy oil. *Journal of Applied Polymer Science*, **2006**, 102, 690-697	2.9	18
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151	Segmented block copolyesters using click chemistry. *Journal of Polymer Science Part A*, **2012**, 50, 3797-3805	2.5	17
150	Synthesis of an Acid-Labile Diacrylate Crosslinker for Cleavable Michael Addition Networks. *Macromolecular Chemistry and Physics*, **2007**, 208, 1949-1955	2.6	17
149	Novel dinitroxide mediating agent for stable free-radical polymerization. *Journal of Polymer Science Part A*, **2004**, 42, 1547-1556	2.5	17
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146	3D-Printable Biodegradable Polyester Tissue Scaffolds for Cell Adhesion. *Australian Journal of Chemistry*, **2015**, 68, 1409	1.2	16
145	Solution properties and electrospinning of phosphonium gemini surfactants. *Soft Matter*, **2014**, 10, 3970-76	3.6	16
144	The preparation of cation-functionalized multi-wall carbon nanotube/sulfonated polyurethane composites. *Carbon*, **2013**, 54, 133-142	10.4	16
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