Timothy E Long

List of Publications by Year in Descending Order

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	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	6.1	3
307	Predicting mechanical property plateau in laser polymer powder bed fusion additive manufacturing via the critical coalescence ratio. *Materials and Design*, **2021**, 201, 109474	8.1	3
306	Process-structure□roperty relationships following thermo-oxidative exposure of powder bed fusion printed poly(phenylene sulfide). *MRS Communications*, **2021**, 11, 179-188	2.7	
305	3D Printing Carbonaceous Objects from Polyimide Pyrolysis.. *ACS Macro Letters*, **2021**, 10, 412-418	6.6	5
304	Vat photopolymerization of unsaturated polyesters utilizing a polymerizable ionic liquid as a non-volatile reactive diluent. *Polymer*, **2021**, 223, 123727	3.9	2
303	Non-isocyanate Polyurethanes from 1,1'-Carbonyldiimidazole: A Polycondensation Approach. *Macromolecular Rapid Communications*, **2021**, 42, e2100163	4.8	3
302	Hydroxyethylresorcinol- and hydroxyethylhydroquinone-containing poly(ethylene terephthalate) copolymers. *Polymer*, **2021**, 228, 123890	3.9	1
301	UV-assisted direct ink write printing of fully aromatic Poly(amide imide)s: Elucidating the influence of an acrylic scaffold. *Polymer*, **2021**, 212, 123306	3.9	9
300	Influence of dianhydride regiochemistry on thermomechanical and rheological properties of 3,3?- and 4,4?-polyetherimides. *Polymer*, **2021**, 212, 123277	3.9	1
299	Ageing of PBF-Grade Poly(Phenylene Sulfide) Powder and its Effect on Critical Printability Properties. *Macromolecular Materials and Engineering*, **2021**, 306, 2000599	3.9	0
298	Dissociative Carbamate Exchange Anneals 3D Printed Acrylates. *ACS Applied Materials & Interfaces*, **2021**, 13, 38680-38687	9.5	2
297	Supramolecular Salts for Additive Manufacturing of Polyimides. *ACS Applied Materials & Interfaces*, **2021**, 13, 48061-48070	9.5	4
296	Novel Electrospun Pullulan Fibers Incorporating Hydroxypropyl-□Cyclodextrin: Morphology and Relation with Rheological Properties. *Polymers*, **2020**, 12,	4.5	3
295	Light and latex: advances in the photochemistry of polymer colloids. *Polymer Chemistry*, **2020**, 11, 3498-3524	3.9	10
294	Isocyanate- and solvent-free synthesis of melt processible polyurea elastomers derived from urea as a monomer.. *RSC Advances*, **2020**, 10, 18760-18768	3.7	9
293	Quadruple Hydrogen Bonding Supramolecular Elastomers for Melt Extrusion Additive Manufacturing. *ACS Applied Materials & Interfaces*, **2020**, 12, 32006-32016	9.5	17
292	Polymer-inorganic hybrid colloids for ultraviolet-assisted direct ink write of polymer nanocomposites. *Additive Manufacturing*, **2020**, 35, 101393	6.1	8

291	3D Printing Latex: A Route to Complex Geometries of High Molecular Weight Polymers. *ACS Applied Materials & Interfaces*, **2020**, 12, 10918-10928	9.5	20
290	Synthesis and Characterization of Long-Chain Branched Poly(ether imide)s with A3 Comonomers. *ACS Applied Polymer Materials*, **2020**, 2, 958-965	4.3	3
289	Vat photopolymerization of liquid, biodegradable PLGA-based oligomers as tissue scaffolds. *European Polymer Journal*, **2020**, 130, 109693	5.2	12
288	Facile Preparation of Halogen-Free Poly(ether imide) Containing Phosphonium and Sulfonate Groups. *ACS Applied Polymer Materials*, **2020**, 2, 66-73	4.3	4
287	Thiol□ne addition enables tailored synthesis of poly(2-oxazoline)-graft-poly(vinyl pyrrolidone) copolymers for binder jetting 3D printing. *Polymer International*, **2020**, 69, 902-911	3.3	5
286	Phosphonium-Based Polyzwitterions: Influence of Ionic Structure and Association on Mechanical Properties. *Macromolecules*, **2020**, 53, 11009-11018	5.5	8
285	Phosphonated Poly(ethylene terephthalate) ionomers as compatibilizers in extruded Poly(ethylene terephthalate)/Poly(m-xylylene adipamide) blends and oriented films. *Polymer*, **2020**, 205, 122891	3.9	6
284	Sustainable additive manufacturing: predicting binder jettability of water-soluble, biodegradable and recyclable polymers. *Polymer International*, **2020**, 70, 958	3.3	2
283	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	5.5	1
282	Impact of metal cations on the thermal, mechanical, and rheological properties of telechelic sulfonated polyetherimides. *Polymer Chemistry*, **2020**, 11, 393-400	4.9	8
281	Determination of glass transition temperature of polyimides from atomistic molecular dynamics simulations and machine-learning algorithms. *Journal of Polymer Science*, **2020**, 58, 1521-1534	2.4	10
280	Mechanically Strong, Thermally Stable, and Flame Retardant Poly(ether imide) Terminated with Phosphonium Bromide. *Macromolecules*, **2019**, 52, 7361-7368	5.5	12
279	Additive Manufacturing of Hydrocarbon Elastomers via Simultaneous Chain Extension and Cross-linking of Hydrogenated Polybutadiene. *ACS Applied Polymer Materials*, **2019**, 1, 684-690	4.3	16
278	Synthesis and characterization of a nematic fully aromatic polyester based on biphenyl 3,4?-dicarboxylic acid. *Polymer Chemistry*, **2019**, 10, 4287-4296	4.9	3
277	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
276	Tuning the material properties of a water-soluble ionic polymer using different counterions for material extrusion additive manufacturing. *Polymer*, **2019**, 176, 283-292	3.9	10
275	Powder bed fusion of poly(phenylene sulfide) at bed temperatures significantly below melting. *Additive Manufacturing*, **2019**, 28, 506-516	6.1	11
274	Semi-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	3.9	15

273	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
272	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	4.3	5
271	Vat photopolymerization of charged monomers: 3D printing with supramolecular interactions. *Polymer Chemistry*, **2019**, 10, 1442-1451	4.9	31
270	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
269	Polymer Design for 3D Printing Elastomers: Recent Advances in Structure, Properties, and Printing. *Progress in Polymer Science*, **2019**, 97, 101144	29.6	81
268	Tailoring the glassy mesophase range of thermotropic polyesters through copolymerization of 4,4□bibenzoate and kinked isomer. *Polymer*, **2019**, 163, 125-133	3.9	7
267	Doubly Charged ABA Triblock Copolymers: Thermomechanically Robust Physical Network and Hierarchical Microstructures. *Macromolecules*, **2019**, 52, 9168-9176	5.5	8
266	Amorphous copolyesters based on bibenzoic acids and neopentyl glycol. *Journal of Polymer Science Part A*, **2019**, 57, 579-587	2.5	5
265	Charge Transport in Imidazolium-Based Homo- and Triblock Poly(ionic liquid)s. *Macromolecules*, **2019**, 52, 620-628	5.5	8
264	Advanced Polymers for Reduced Energy Consumption in Architecture. *Macromolecular Rapid Communications*, **2019**, 40, e1800597	4.8	4
263	Quadruple hydrogen bonding containing supramolecular thermoplastic elastomers: Mechanical and morphological correlations. *Journal of Polymer Science Part A*, **2019**, 57, 13-23	2.5	9
262	3D Printing Amorphous Polysiloxane Terpolymers via Vat Photopolymerization. *Macromolecular Chemistry and Physics*, **2019**, 220, 1800425	2.6	26
261	Vat photopolymerization 3D printing of acid-cleavable PEG-methacrylate networks for biomaterial applications. *Materials Today Communications*, **2019**, 19, 204-211	2.5	35
260	Influence of Bibenzoate Regioisomers on Cyclohexanedimethanol-Based (Co)polyester Structure□Property Relationships. *Macromolecules*, **2019**, 52, 835-843	5.5	9
259	Advances in Polymeric Materials for Electromechanical Devices. *Macromolecular Rapid Communications*, **2019**, 40, e1800521	4.8	32
258	Acetyl-protected cytosine and guanine containing acrylics as supramolecular adhesives **2019**, 95, 146-167		6
257	Functional siloxanes with photo-activated, simultaneous chain extension and crosslinking for lithography-based 3D printing. *Polymer*, **2018**, 152, 25-34	3.9	39
256	Polymerized ionic liquids: Effects of counter-anions on ion conduction and polymerization kinetics. *Journal of Polymer Science Part A*, **2018**, 56, 1346-1357	2.5	13

255	3D Printing All-Aromatic Polyimides Using Stereolithographic 3D Printing of Polyamic Acid Salts. *ACS Macro Letters*, **2018**, 7, 493-497	6.6	51
254	Electrospinning of plant oil-based, non-isocyanate polyurethanes for biomedical applications. *Journal of Applied Polymer Science*, **2018**, 135, 46464	2.9	9
253	Addressing water scarcity: cationic polyelectrolytes in water treatment and purification. *Polymer International*, **2018**, 67, 799-814	3.3	24
252	Model analysis of feedstock behavior in fused filament fabrication: Enabling rapid materials screening. *Polymer*, **2018**, 152, 51-61	3.9	52
251	Hydrocarbon-Soluble Piperazine-Containing Dilithium Anionic Initiator for High Cis-1,4 Isoprene Polymerization. *Macromolecular Chemistry and Physics*, **2018**, 219, 1700201	2.6	3
250	Synthesis and characterization of phosphonated Poly(ethylene terephthalate) ionomers. *Polymer*, **2018**, 151, 154-163	3.9	7
249	Reversibly Cross-linkable Bottlebrush Polymers as Pressure-Sensitive Adhesives. *ACS Applied Materials & Interfaces*, **2018**, 10, 26662-26668	9.5	33
248	Sugar-Derived Poly(Ethioester)s as a Biomedical Scaffold. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800177	2.6	8
247	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
246	Synthesis of urea-containing ABA triblock copolymers: Influence of pendant hydrogen bonding on morphology and thermomechanical properties. *Journal of Polymer Science Part A*, **2018**, 56, 1844-1852	2.5	4
245	Advances in phosphonium-based ionic liquids and poly(ionic liquid)s as conductive materials. *European Polymer Journal*, **2018**, 108, 28-37	5.2	33
244	Copolyesters based on bibenzoic acids. *Polymer*, **2018**, 135, 120-130	3.9	7
243	Synthesis and characterization of isocyanate-free polyureas. *Green Chemistry*, **2018**, 20, 243-249	10	25
242	Enhanced scattering induced by electrostatic correlations in concentrated solutions of salt-free dipolar and ionic polymers. *Journal of Chemical Physics*, **2018**, 149, 163336	3.9	6
241	Printing nanomaterials in shrinking gels. *Science*, **2018**, 362, 1244-1245	33.3	5
240	Ultraviolet-Assisted Direct Ink Write to Additively Manufacture All-Aromatic Polyimides. *ACS Applied Materials & Interfaces*, **2018**, 10, 34828-34833	9.5	37
239	Suitability of 3D-Printed devices for low-temperature geochemical experiments. *Applied Geochemistry*, **2018**, 98, 121-126	3.5	4
238	Nanoscale Resolution of Electric-field Induced Motion in Ionic Diblock Copolymer Thin Films. *ACS Applied Materials & Interfaces*, **2018**, 10, 32678-32687	9.5	8

237	Urea as a monomer for isocyanate-free synthesis of segmented poly(dimethyl siloxane) polyureas. *Polymer*, **2018**, 154, 225-232	3.9	20
236	Reaction: Benign by Design Demands Innovation. *CheM*, **2017**, 2, 7-8	16.2	1
235	Poly(□thioesters) containing monodisperse oxamide hard segments using a chemoselective thiol-Michael addition reaction. *Polymer Chemistry*, **2017**, 8, 2598-2608	4.9	12
234	Segmented imidazolium ionenes: Solution rheology, thermomechanical properties, and electrospinning. *Polymer*, **2017**, 114, 257-265	3.9	18
233	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	3.4	1
232	3D Printing All-Aromatic Polyimides using Mask-Projection Stereolithography: Processing the Nonprocessable. *Advanced Materials*, **2017**, 29, 1701240	24	99
231	Synthesis of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers: Influence of Segment Length on Thermomechanical Performance. *Macromolecules*, **2017**, 50, 5107-5113	5.5	7
230	Polymer structure-property requirements for stereolithographic 3D printing of soft tissue engineering scaffolds. *Biomaterials*, **2017**, 140, 170-188	15.6	226
229	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
228	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	6	12
227	Synthesis and Characterization of Amorphous Bibenzoate (Co)polyesters: Permeability and Rheological Performance. *Macromolecules*, **2017**, 50, 7603-7610	5.5	19
226	Influence of cyclobutane segments in cycloaliphatic decahydronaphthalene-containing copolyesters. *High Performance Polymers*, **2017**, 29, 750-756	1.6	11
225	3D Printing Polymers with Supramolecular Functionality for Biological Applications. *Biomacromolecules*, **2017**, 18, 2669-2687	6.9	70
224	Thiol-Michael □click□hydrogels as an imageable packing material for cancer therapy. *Polymer*, **2017**, 125, 66-75	3.9	14
223	Living anionic polymerization of 4-diphenylphosphino styrene for ABC triblock copolymers. *Polymer International*, **2017**, 66, 52-58	3.3	3
222	Synthesis of Water-Soluble Imidazolium Polyesters as Potential Nonviral Gene Delivery Vehicles. *Biomacromolecules*, **2017**, 18, 68-76	6.9	12
221	Hydrogen bond containing multiwalled carbon nanotubes in polyurethane composites. *Polymer Composites*, **2016**, 37, 1425-1434	3	4
220	Supercritical Fluid Chromatography with Evaporative Light Scattering Detection (SFC-ELSD) for Determination of Oligomer Molecular Weight Distributions. *Chromatographia*, **2016**, 79, 977-984	2.1	6

219	Imidazolium-Containing ABA Triblock Copolymers as Electroactive Devices. *ACS Applied Materials & Interfaces*, **2016**, 8, 1280-8	9.5	34
218	Phosphonium-containing diblock copolymers from living anionic polymerization of 4-diphenylphosphino styrene. *Chemical Communications*, **2016**, 52, 950-3	5.8	7
217	Controlled radical polymerization of anthracene-containing methacrylate copolymers for stimuli-responsive materials. *Journal of Polymer Science Part A*, **2016**, 54, 2302-2311	2.5	10
216	Diphenylphosphino Styrene-Containing Homopolymers: Influence of Alkylation and Mobile Anions on Physical Properties. *Macromolecular Rapid Communications*, **2016**, 37, 1212-7	4.8	4
215	Non-isocyanate poly(amide-hydroxyurethane)s from sustainable resources. *Green Chemistry*, **2016**, 18, 4667-4681	10	59
214	Styrenic DABCO salt-containing monomers for the synthesis of novel charged polymers. *Polymer Chemistry*, **2016**, 7, 3370-3374	4.9	22
213	Influence of nucleobase stoichiometry on the self-assembly of ABC triblock copolymers. *Chemical Communications*, **2016**, 52, 7564-7	5.8	15
212	Doubly-Charged Ionomers with Enhanced Microphase-Separation. *Macromolecules*, **2016**, 49, 6965-6972	5.5	9
211	Ureido cytosine and cytosine-containing acrylic copolymers. *Polymer Chemistry*, **2016**, 7, 6671-6681	4.9	20
210	Imidazole-containing triblock copolymers with a synergy of ether and imidazolium sites. *Journal of Materials Chemistry C*, **2015**, 3, 3891-3901	7.1	25
209	Sulfonimide-Containing Triblock Copolymers for Improved Conductivity and Mechanical Performance. *Macromolecules*, **2015**, 48, 4520-4528	5.5	78
208	3D-Printable Biodegradable Polyester Tissue Scaffolds for Cell Adhesion. *Australian Journal of Chemistry*, **2015**, 68, 1409	1.2	16
207	High-Performance Segmented Liquid Crystalline Copolyesters. *Macromolecular Chemistry and Physics*, **2015**, 216, 1754-1763	2.6	8
206	Free radical polymerization of caffeine-containing methacrylate monomers. *Journal of Polymer Science Part A*, **2015**, 53, 2829-2837	2.5	3
205	Synthesis and Characterization of Decahydronaphthalene-Containing Polyesters. *Macromolecules*, **2015**, 48, 8733-8737	5.5	21
204	Amide-containing segmented copolymers. *Progress in Polymer Science*, **2015**, 45, 1-22	29.6	55
203	Nucleobase-functionalized acrylic ABA triblock copolymers and supramolecular blends. *Polymer Chemistry*, **2015**, 6, 2434-2444	4.9	42
202	Polymeric Imidazoles and Imidazoliums in Nanomedicine: Comparison to Ammoniums and Phosphoniums **2015**, 231-266		1

201	RAFT polymerization of temperature- and salt-responsive block copolymers as reversible hydrogels. *Polymer*, **2014**, 55, 2325-2331	3.9	20
200	Materials science. Toward recyclable thermosets. *Science*, **2014**, 344, 706-7	33.3	39
199	Synthesis, Properties, and Applications of Ion-Containing Polyurethane Segmented Copolymers. *Macromolecular Chemistry and Physics*, **2014**, 215, 2161-2174	2.6	47
198	Nucleobase-functionalized ABC triblock copolymers: self-assembly of supramolecular architectures. *Chemical Communications*, **2014**, 50, 9145-8	5.8	32
197	Thermal and living anionic polymerization of 4-vinylbenzyl piperidine. *Polymer Chemistry*, **2014**, 5, 6003-6011	4.9	5
196	Solution properties and electrospinning of phosphonium gemini surfactants. *Soft Matter*, **2014**, 10, 3970-76	3.6	16
195	Water-dispersible cationic polyurethanes containing pendant trialkylphosphoniums. *Polymer Chemistry*, **2014**, 5, 3795-3803	4.9	33
194	Phosphonium cation-containing polymers: From ionic liquids to polyelectrolytes. *Polymer*, **2014**, 55, 3298-3304	3.9	67
193	Association of Nucleobase-Containing Ammonium Ionenes. *Macromolecular Chemistry and Physics*, **2014**, 215, 2337-2344	2.6	9
192	Synthesis and Characterization of Polysulfone-Containing Poly(butylene terephthalate) Segmented Block Copolymers. *Macromolecules*, **2014**, 47, 8171-8177	5.5	13
191	3D Printing Phosphonium Ionic Liquid Networks with Mask Projection Microstereolithography. *ACS Macro Letters*, **2014**, 3, 1205-1209	6.6	75
190	Influence of Counterion on Thermal, Viscoelastic, and Ion Conductive Properties of Phosphonium Ionenes. *Macromolecular Symposia*, **2014**, 342, 56-66	0.8	8
189	Well-Defined Imidazolium ABA Triblock Copolymers as Ionic-Liquid-Containing Electroactive Membranes. *Macromolecular Chemistry and Physics*, **2014**, 215, 1319-1331	2.6	32
188	Synthesis and characterization of poly(propylene glycol) polytrioxamide and poly(urea oxamide) segmented copolymers. *Polymer International*, **2014**, 63, 1184-1191	3.3	13
187	The preparation of cation-functionalized multi-wall carbon nanotube/sulfonated polyurethane composites. *Carbon*, **2013**, 54, 133-142	10.4	16
186	Synthesis and Properties of Sulfonium Polyelectrolytes for Biological Applications. *ACS Macro Letters*, **2013**, 2, 731-735	6.6	32
185	Synthesis and characterization of siloxane-containing poly(urea□oxamide) segmented copolymers. *Polymer*, **2013**, 54, 4849-4857	3.9	30
184	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

183	Synthesis of Folic Acid-Containing Imidazolium Copolymers for Potential Gene Delivery Applications. *Macromolecular Chemistry and Physics*, **2013**, 214, 797-805	2.6	11
182	Influence of charge placement on the thermal and morphological properties of sulfonated segmented copolyesters. *Polymer*, **2013**, 54, 3521-3528	3.9	11
181	Comparing Ammonium and Phosphonium Polymerized Ionic Liquids: Thermal Analysis, Conductivity, and Morphology. *Macromolecular Chemistry and Physics*, **2013**, 214, 2099-2107	2.6	73
180	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
179	Poly(ethylene glycol)-based ammonium ionenes containing nucleobases. *Polymer*, **2013**, 54, 1588-1595	3.9	18
178	Synthesis and characterization of 4-vinylimidazole ABA triblock copolymers utilizing a difunctional RAFT chain transfer agent. *Polymer Chemistry*, **2013**, 4, 2333	4.9	24
177	Hydroxyalkyl-Containing Imidazolium Homopolymers: Correlation of Structure with Conductivity. *Macromolecules*, **2013**, 46, 3037-3045	5.5	47
176	Phosphonium ionenes from well-defined step-growth polymerization: thermal and melt rheological properties. *Polymer Chemistry*, **2013**, 4, 3582	4.9	50
175	Photoactive Polyesters Containing o-Nitro Benzyl Ester Functionality for Photodeactivatable Adhesion **2013**, 89, 548-558		12
174	Influence of ionic charge placement on performance of poly(ethylene glycol)-based sulfonated polyurethanes. *Polymer*, **2012**, 53, 1203-1211	3.9	37
173	Synthesis and solution rheology of adenine-containing polyelectrolytes for electrospinning. *Polymer*, **2012**, 53, 1437-1443	3.9	6
172	DNA-inspired hierarchical polymer design: electrostatics and hydrogen bonding in concert. *Macromolecular Bioscience*, **2012**, 12, 29-39	5.5	22
171	Phosphonium-containing diblock copolymers for enhanced colloidal stability and efficient nucleic acid delivery. *Biomacromolecules*, **2012**, 13, 2439-45	6.9	69
170	Phosphonium-containing polyelectrolytes for nonviral gene delivery. *Biomacromolecules*, **2012**, 13, 231-8	6.9	81
169	RAFT synthesis of ABA triblock copolymers as ionic liquid-containing electroactive membranes. *ACS Applied Materials & Interfaces*, **2012**, 4, 6552-9	9.5	43
168	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
167	Synthesis of imidazolium ABA triblock copolymers for electromechanical transducers. *Polymer*, **2012**, 53, 3677-3686	3.9	75
166	Electrospinning of radical polymers: redox-active fibrous membrane formation. *Polymer Journal*, **2012**, 44, 264-268	2.7	10

165	Imidazolium sulfonate-containing pentablock copolymer ionic liquid membranes for electroactive actuators. *Journal of Materials Chemistry*, **2012**, 22, 13473		82
164	Nucleobase Self-Assembly in Supramolecular Adhesives. *Macromolecules*, **2012**, 45, 805-812	5.5	96
163	Ionic aggregation in random copolymers containing phosphonium ionic liquid monomers. *Journal of Polymer Science Part A*, **2012**, 50, 166-173	2.5	41
162	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
161	A perspective on emerging polymer technologies for bisphenol-A replacement. *Polymer International*, **2012**, 61, 1485-1491	3.3	73
160	Segmented block copolyesters using click chemistry. *Journal of Polymer Science Part A*, **2012**, 50, 3797-3805	2.5	17
159	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
158	Structure Property Relationships of Water-Soluble Ammonium ionene Copolymers. *Macromolecular Chemistry and Physics*, **2012**, 213, 965-972	2.6	22
157	Controlled Radical Polymerization of 4-Vinylimidazole. *Macromolecules*, **2012**, 45, 3669-3676	5.5	56
156	Synthesis of Hyperbranched Polymers via Polymerization of Functionally Symmetric Monomer Pairs **2011**, 79-106		3
155	Phosphonium-Containing ABA Triblock Copolymers: Controlled Free Radical Polymerization of Phosphonium Ionic Liquids. *Macromolecules*, **2011**, 44, 6509-6517	5.5	79
154	Polymers from fatty acids: poly(hydroxyl tetradecanoic acid) synthesis and physico-mechanical studies. *Biomacromolecules*, **2011**, 12, 3291-8	6.9	96
153	Alkyl-Substituted N-Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. *Macromolecular Chemistry and Physics*, **2011**, 212, 2522-2528	2.6	125
152	Tailoring macromolecular architecture with imidazole functionality: A perspective for controlled polymerization processes. *European Polymer Journal*, **2011**, 47, 486-496	5.2	51
151	Neutral hydrophilic cathode catalyst binders for microbial fuel cells. *Energy and Environmental Science*, **2011**, 4, 928-934	35.4	41
150	Thermal, rheological, and ion-transport properties of phosphonium-based ionic liquids. *Journal of Physical Chemistry A*, **2011**, 115, 13829-35	2.8	47
149	Influence of Zwitterions on Thermomechanical Properties and Morphology of Acrylic Copolymers: Implications for Electroactive Applications. *Macromolecules*, **2011**, 44, 8056-8063	5.5	41
148	Tailoring charge density and hydrogen bonding of imidazolium copolymers for efficient gene delivery. *Biomacromolecules*, **2011**, 12, 2243-50	6.9	66

147	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	11
146	Photo-Reactive Polyimides and Poly(siloxane imide)s as Reversible Polymeric Interfaces **2010**, 86, 1012-1028		7
145	Melt Synthesis and Characterization of Aliphatic Low-Tg Polyesters as Pressure Sensitive Adhesives **2010**, 86, 395-408		18
144	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
143	Gemini surfactant electrospun membranes. *Langmuir*, **2010**, 26, 678-83	4	55
142	Effect of Ionic Liquid on Mechanical Properties and Morphology of Zwitterionic Copolymer Membranes. *Macromolecules*, **2010**, 43, 790-796	5.5	57
141	Synthesis and Characterization of Novel Segmented Polyionenes Based on Polydimethylsiloxane Soft Segments. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2010**, 47, 215-224	2.2	8
140	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
139	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
138	Imidazole- and imidazolium-containing polymers for biology and material science applications. *Polymer*, **2010**, 51, 2447-2454	3.9	276
137	Poly(propylene glycol)-based ammonium ionenes as segmented ion-containing block copolymers. *Journal of Polymer Science Part A*, **2010**, 48, 4159-4167	2.5	16
136	Oligomeric A2 + B3 synthesis of highly branched polysulfone ionomers: novel candidates for ionic polymer transducers. *Polymer International*, **2010**, 59, 25-35	3.3	18
135	Influence of Hydrogen Bonding on the Adhesive Properties of Photo-Curable Acrylics **2009**, 85, 1-17		9
134	Ionomer design for augmented charge transport in novel ionic polymer transducers. *Smart Materials and Structures*, **2009**, 18, 104005	3.4	18
133	Synthesis of 12,12-Ammonium Ionenes with Functionality for Chain Extension and Cross-Linking via UV Irradiation. *Macromolecular Chemistry and Physics*, **2009**, 210, 555-564	2.6	13
132	Microphase-Separated Poly(vinylpyridine) Block Copolymer Prepared with a Novel Bifunctional Initiator. *Macromolecular Chemistry and Physics*, **2009**, 210, 579-584	2.6	21
131	Melt dispersion and electrospinning of non-functionalized multiwalled carbon nanotubes in thermoplastic polyurethane. *Macromolecular Rapid Communications*, **2009**, 30, 2102-6	4.8	41
130	Protonatable ionenes for nucleic acid complexation. *Macromolecular Bioscience*, **2009**, 9, 1127-34	5.5	6

129	Michael addition for crosslinking of poly(caprolactone)s. *Journal of Polymer Science Part A*, **2009**, 47, 5437-5447	2.5	19
128	Electrospinning zwitterion-containing nanoscale acrylic fibers. *Polymer*, **2009**, 50, 4781-4787	3.9	18
127	Recent advances in the synthesis and structure–property relationships of ammonium ionenes. *Progress in Polymer Science*, **2009**, 34, 762-782	29.6	106
126	Ring-Opening Polymerization of Imidazole Epoxides for the Synthesis of Imidazole-Substituted Poly(ethylene oxides). *Macromolecules*, **2009**, 42, 8010-8012	5.5	11
125	Synthesis of Diazocine-Containing Poly(arylene ether sulfone)s for Tailored Mechanical and Electrochemical Performance. *Macromolecules*, **2009**, 42, 1526-1532	5.5	24
124	Influence of polycation molecular weight on poly(2-dimethylaminoethyl methacrylate)-mediated DNA delivery in vitro. *Biomacromolecules*, **2009**, 10, 1244-52	6.9	116
123	Designing Imidazole-Based Ionic Liquids and Ionic Liquid Monomers for Emerging Technologies. *Polymer Reviews*, **2009**, 49, 291-314	14	238
122	Synthesis and characterization of poly(ethylene glycol)-glutathione conjugate self-assembled nanoparticles for antioxidant delivery. *Biomacromolecules*, **2009**, 10, 155-61	6.9	64
121	Influence of Site-Specific Sulfonation on Acrylic Graft Copolymer Morphology. *Macromolecules*, **2008**, 41, 3503-3512	5.5	19
120	Synthesis and Characterization of Aliphatic Ammonium Ionenes: Aqueous Size Exclusion Chromatography for Absolute Molecular Weight Characterization. *Macromolecules*, **2008**, 41, 4635-4641	5.5	46
119	Effect of hyperbranched surface-migrating additives on the electrospinning behavior of poly(methyl methacrylate). *Langmuir*, **2008**, 24, 654-7	4	39
118	Synthesis and Morphology of Segmented Poly(tetramethylene oxide)-Based Polyurethanes Containing Phosphonium Salts. *Macromolecules*, **2008**, 41, 9072-9079	5.5	66
117	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
116	Beyond Nafion: Charged Macromolecules Tailored for Performance as Ionic Polymer Transducers. *Macromolecules*, **2008**, 41, 7765-7775	5.5	119
115	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
114	Electrospinning functional nanoscale fibers: a perspective for the future. *Polymer International*, **2008**, 57, 385-389	3.3	92
113	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
112	Pseudo-Living Anionic Telomerization of Buta-1,3-diene. *Macromolecular Chemistry and Physics*, **2008**, 209, 1983-1991	2.6	4

111	Submicron functional fibrous scaffolds based on electrospun phospholipids. *Journal of Materials Chemistry*, **2007**, 17, 605-608		22
110	Multiple Hydrogen Bonding for the Noncovalent Attachment of Ionic Functionality in Triblock Copolymers. *Macromolecules*, **2007**, 40, 4396-4398	5.5	39
109	Supramolecular Triblock Copolymers Containing Complementary Nucleobase Molecular Recognition. *Macromolecules*, **2007**, 40, 6834-6845	5.5	109
108	Charged Polymers via Controlled Radical Polymerization and their Implications for Gene Delivery. *Macromolecular Chemistry and Physics*, **2007**, 208, 1243-1249	2.6	39
107	Synthesis of an Acid-Labile Diacrylate Crosslinker for Cleavable Michael Addition Networks. *Macromolecular Chemistry and Physics*, **2007**, 208, 1949-1955	2.6	17
106	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
105	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
104	Novel michael addition networks containing urethane hydrogen bonding. *Journal of Polymer Science Part A*, **2007**, 45, 4118-4128	2.5	14
103	Photodimerization of Coumarin Functionalized Poly(alkyl Acrylate) and Poly(alkyl Methacrylate) Random Copolymers: Influence of Copolymer Composition on Photocrosslinking. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2007**, 45, 9-15	2.2	14
102	Michael Addition Reaction Kinetics of Acetoacetates and Acrylates for the Formation of Polymeric Networks. *Progress in Reaction Kinetics and Mechanism*, **2007**, 32, 165-194	0.5	14
101	Super-Hydrophobic Surfaces via Micrometer-Scale Templated Pillars. *Chemistry of Materials*, **2007**, 19, 6145-6149	9.6	45
100	Association of star-shaped poly(D,L-lactide)s containing nucleobase multiple hydrogen bonding. *Biomacromolecules*, **2007**, 8, 302-8	6.9	57
99	Synthesis and characterization of telechelic phosphine oxide polyesters and cobalt(II) chloride complexes. *Polymer*, **2006**, 47, 4085-4093	3.9	13
98	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
97	Highly Branched Poly(arylene ether)s via Oligomeric A2 + B3 Strategies. *Macromolecular Chemistry and Physics*, **2006**, 207, 576-586	2.6	27
96	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
95	Novel Michael Addition Networks Containing Poly(propylene glycol) Telechelic Oligomers. *Macromolecular Chemistry and Physics*, **2006**, 207, 1324-1333	2.6	24
94	Multiple hydrogen bonding for reversible polymer surface adhesion. *Langmuir*, **2006**, 22, 1099-105	4	33

93	Taking Advantage of Supramolecular Structure in Melt and Solution Electrospinning. *Materials Research Society Symposia Proceedings*, **2006**, 948, 1		2
92	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
91	Porous thin films based on photo-cross-linked star-shaped poly(D,L-lactide)s. *Langmuir*, **2006**, 22, 9687-93	4	54
90	Phospholipid nonwoven electrospun membranes. *Science*, **2006**, 311, 353-5	33.3	245
89	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
88	Michael addition reactions in macromolecular design for emerging technologies. *Progress in Polymer Science*, **2006**, 31, 487-531	29.6	807
87	Solution Rheological Behavior and Electrospinning of Cationic Polyelectrolytes. *Macromolecules*, **2006**, 39, 575-583	5.5	169
86	Development of a Light-Deactivatable PSA Via Photodimerization **2005**, 81, 213-229		40
85	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
84	Influence of Random Branching on Multiple Hydrogen Bonding in Poly(alkyl methacrylate)s. *Macromolecules*, **2005**, 38, 6015-6023	5.5	63
83	Probing the Hard Segment Phase Connectivity and Percolation in Model Segmented Poly(urethane urea) Copolymers. *Macromolecules*, **2005**, 38, 5681-5685	5.5	50
82	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
81	Branched polyesters: recent advances in synthesis and performance. *Progress in Polymer Science*, **2005**, 30, 507-539	29.6	240
80	Electrospinning of linear and highly branched segmented poly(urethane urea)s. *Polymer*, **2005**, 46, 2011-2015	3.9	77
79	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
78	Crystallization of photo-chain extended poly(ethylene glycol). *European Polymer Journal*, **2005**, 41, 219-224	3.4	9
77	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
76	Influence of tertiary diamines on the synthesis of high-molecular-weight poly(1,3-cyclohexadiene). *Journal of Polymer Science Part A*, **2005**, 43, 1216-1227	2.5	9

75	Silicon surface modification with trialkoxysilyl-functionalized star-shaped polymers. *Journal of Polymer Science Part A*, **2005**, 43, 3655-3666	2.5	26
74	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
73	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
72	Novel dinitroxide mediating agent for stable free-radical polymerization. *Journal of Polymer Science Part A*, **2004**, 42, 1547-1556	2.5	17
71	Determination of monomer reactivity ratios using in situ FTIR spectroscopy for maleic anhydride/norbornene-free-radical copolymerization. *Journal of Applied Polymer Science*, **2004**, 92, 3240-3246	2.9	13
70	Synthesis of Norbornene Derivatives by Diels-Alder Cycloaddition and Subsequent Copolymerization with Maleic Anhydride. *Macromolecular Chemistry and Physics*, **2004**, 205, 621-627	2.6	10
69	Stable Free Radical Polymerization Kinetics of Alkyl Acrylate Monomers Using in situ FTIR Spectroscopy: Influence of Hydroxyl-Containing Monomers and Additives. *Macromolecular Chemistry and Physics*, **2004**, 205, 692-698	2.6	20
68	Photoreversible Chain Extension of Poly(ethylene glycol). *Macromolecular Chemistry and Physics*, **2004**, 205, 715-723	2.6	60
67	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
66	Influence of self-complementary hydrogen bonding on solution rheology/electrospinning relationships. *Polymer*, **2004**, 45, 8705-8715	3.9	126
65	Thermoreversible Polyesters Consisting of Multiple Hydrogen Bonding (MHB). *Macromolecules*, **2004**, 37, 3519-3522	5.5	85
64	Living Anionic Polymerization of Hexamethylcyclotrisiloxane (D3) Using Functionalized Initiation. *Macromolecules*, **2004**, 37, 6657-6659	5.5	26
63	Correlations of Solution Rheology with Electrospun Fiber Formation of Linear and Branched Polyesters. *Macromolecules*, **2004**, 37, 1760-1767	5.5	532
62	Coumarins in polymers: from light harvesting to photo-cross-linkable tissue scaffolds. *Chemical Reviews*, **2004**, 104, 3059-77	68.1	646
61	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
60	Polyimides and Other High-Temperature Polymers **2003**, 265-326		8
59	Depolymerization and Recycling **2003**, 527-574		3
58	Synthesis and characterization of poly(ethylene glycol) methyl ether endcapped poly(ethylene terephthalate). *Macromolecular Symposia*, **2003**, 199, 163-172	0.8	7

57	Nontraditional Step-Growth Polymerization: Transition Metal Coupling **2003**, 467-526		10
56	Polyamides **2003**, 135-195		10
55	Chemistry and Properties of Phenolic Resins and Networks **2003**, 375-430		3
54	Introduction to Synthetic Methods in Step-Growth Polymers **2003**, 1-16		10
53	Nontraditional Step-Growth Polymerization: ADMET **2003**, 431-466		4
52	Thermoreversible Poly(alkyl acrylates) Consisting of Self-Complementary Multiple Hydrogen Bonding. *Macromolecules*, **2003**, 36, 1083-1088	5.5	219
51	Stable Free-Radical Polymerization of Styrene in Combination with 2-Vinylnaphthalene Initiation. *Macromolecular Chemistry and Physics*, **2003**, 204, 570-576	2.6	18
50	Oxidation and epoxidation of poly(1,3-cyclohexadiene). *Journal of Polymer Science Part A*, **2003**, 41, 84-93	2.5	23
49	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
48	Synthesis and cleavage of core-labile poly(alkyl methacrylate) star polymers. *Journal of Polymer Science Part A*, **2003**, 41, 3083-3093	2.5	38
47	Polymerization of A2 with B3 Monomers: A Facile Approach to Hyperbranched Poly(aryl ester)s. *Macromolecules*, **2003**, 36, 9809-9816	5.5	124
46	Synthesis of Poly(Arylene Ether)s **2003**, 327-374		16
45	Polyesters **2003**, 17-134		15
44	Polyurethanes and Polyureas **2003**, 197-263		6
43	Synthesis and characterization of sulfonated liquid crystalline polyesters. *Polymer International*, **2002**, 51, 540-546	3.3	10
42	Investigations of thermal polymerization in the stable free-radical polymerization of 2-vinylnaphthalene. *Journal of Polymer Science Part A*, **2002**, 40, 583-590	2.5	17
41	Maleation of poly(3,4-epoxy-1-butene) for accelerated crosslinking in the presence of a redox catalyst. *Journal of Polymer Science Part A*, **2002**, 40, 2789-2798	2.5	
40	Moisture-Curing Kinetics of Isocyanate Prepolymer Adhesives **2002**, 78, 297-312		12

39	Synthesis and Characterization of Telechelic Poly(ethylene terephthalate) Sodiosulfonate Ionomers. *Macromolecules*, **2002**, 35, 8738-8744	5.5	42
38	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
37	Synthesis and Characterization of Novel Complementary Multiple-Hydrogen Bonded (CMHB) Macromolecules via a Michael Addition. *Macromolecules*, **2002**, 35, 8745-8750	5.5	77
36	Investigations of the Adhesion of Maleic Anhydride/Cyclic Olefin Alternating Copolymers to Silicon Substrates: Improved Materials for 193 nm Lithography **2002**, 78, 1-13		6
35	Synthesis and characterization of novel acid-sensitive tert-butyl methacrylate and isobutyl methacrylate containing star-shaped polymers **2001**,		2
34	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
33	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
32	Synthesis and Characterization of Poly(1,3-cyclohexadiene) Homopolymers and Star-Shaped Polymers. *Macromolecules*, **2001**, 34, 2108-2114	5.5	53
31	Synthesis of star-shaped polystyrenes via nitroxide-mediated stable free-radical polymerization **2001**, 39, 216		2
30	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
29	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
28	Methacrylate-based block ionomers I: Synthesis of block ionomers derived from t-butyl methacrylate and alkyl methacrylates. *Polymer International*, **1994**, 33, 205-216	3.3	18
27	Synthesis and characterization of well-defined star polymers via a controlled sol-gel process. *Macromolecules*, **1991**, 24, 1431-1434	5.5	15
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