Brent S Sumerlin

List of Publications by Year in Descending Order

198 papers	18,938 citations	73 h-index	135 g-index
218 ext. papers	20,993 ext. citations	7.9 avg, IF	7.43 L-index

#	Paper	IF	Citations
198	Backbone Degradation of Polymethacrylates via Metal-Free Ambient-Temperature Photoinduced Single-Electron Transfer.. *ACS Macro Letters*, **2022**, 11, 441-446	6.6	4
197	Semi-conducting cyclic copolymers of acetylene and propyne. *Reactive and Functional Polymers*, **2021**, 169, 105088	4.6	1
196	Transport and retention of polymeric and other engineered nanoparticles in porous media.. *NanoImpact*, **2021**, 24, 100361	5.6	0
195	Superficial Modulus, Water-Content, and Mesh-Size at Hydrogel Surfaces. *Tribology Letters*, **2021**, 69, 1	2.8	0
194	Macromolecular Photocatalyst for Synthesis and Purification of Protein–Polymer Conjugates. *Macromolecules*, **2021**, 54, 4880-4888	5.5	7
193	Amphiphilic gel lubrication and the solvophilic transition. *Biotribology*, **2021**, 26, 100170	2.3	1
192	Cyclic polyacetylene. *Nature Chemistry*, **2021**, 13, 792-799	17.6	10
191	Hyperbranched Bisphosphonate-Functional Polymers via Self-Condensing Vinyl Polymerization and Postpolymerization Multicomponent Reactions. *Macromolecular Rapid Communications*, **2021**, 42, e2000578	4.8	2
190	Tethered Tungsten-Alkylidenes for the Synthesis of Cyclic Polynorbornene via Ring Expansion Metathesis: Unprecedented Stereoselectivity and Trapping of Key Catalytic Intermediates. *Journal of the American Chemical Society*, **2021**, 143, 1235-1246	16.4	9
189	Self-catalyzing photoredox polymerization for recyclable polymer catalysts. *Polymer Chemistry*, **2021**, 12, 2205-2209	4.9	7
188	In situ monitoring of PISA morphologies. *Polymer Chemistry*, **2021**, 12, 3947-3952	4.9	3
187	Photo-liberated amines for N-carboxyanhydride (PLANCA) ring-opening polymerization. *Polymer Chemistry*, **2021**, 12, 4104-4110	4.9	
186	Mediating covalent crosslinking of single-chain nanoparticles through solvophobicity in organic solvents. *Polymer Chemistry*, **2021**, 12, 4462-4466	4.9	3
185	Probing Thermoresponsive Polymerization-Induced Self-Assembly with Variable-Temperature Liquid-Cell Transmission Electron Microscopy. *Matter*, **2021**, 4, 722-736	12.7	12
184	Hybrid Block Copolymer Synthesis by Merging Photoiniferter and Organocatalytic Ring-Opening Polymerizations. *Angewandte Chemie*, **2021**, 133, 18685-18689	3.6	1
183	Hybrid Block Copolymer Synthesis by Merging Photoiniferter and Organocatalytic Ring-Opening Polymerizations. *Angewandte Chemie - International Edition*, **2021**, 60, 18537-18541	16.4	9
182	Aptamer-Conjugated Micelles for Targeted Photodynamic Therapy Via Photoinitiated Polymerization-Induced Self-Assembly. *Macromolecules*, **2021**, 54, 7354-7363	5.5	4

181	Soluble Polymer Precursors via Ring-Expansion Metathesis Polymerization for the Synthesis of Cyclic Polyacetylene. *Macromolecules*, **2021**, 54, 7840-7848	5.5	5
180	Ultra-High-Molecular-Weight Macrocyclic Bottlebrushes via Post-Polymerization Modification of a Cyclic Polymer. *Macromolecules*, **2020**, 53, 9717-9724	5.5	18
179	Enlightening advances in polymer bioconjugate chemistry: light-based techniques for grafting to and from biomacromolecules. *Chemical Science*, **2020**, 11, 5142-5156	9.4	38
178	Harnessing Strained Disulfides for Photocurable Adaptable Hydrogels. *Macromolecules*, **2020**, 53, 4038-4046	5.5	16
177	Polystyrene-Based Vitrimers: Inexpensive and Recyclable Thermosets. *ACS Applied Polymer Materials*, **2020**, 2, 3044-3048	4.3	23
176	Comparative assessment of polymeric and other nanoparticles impacts on soil microbial and biochemical properties. *Geoderma*, **2020**, 367, 114278	6.7	17
175	Ultrahigh Molecular Weight Hydrophobic Acrylic and Styrenic Polymers through Organic-Phase Photoiniferter-Mediated Polymerization. *ACS Macro Letters*, **2020**, 9, 613-618	6.6	40
174	Bulk network polymers with dynamic B□ bonds: healable and reprocessable materials. *Materials Horizons*, **2020**, 7, 694-714	14.4	67
173	Block Copolymer Vitrimers. *Journal of the American Chemical Society*, **2020**, 142, 283-289	16.4	88
172	Proapoptotic Peptide Brush Polymer Nanoparticles via Photoinitiated Polymerization-Induced Self-Assembly. *Angewandte Chemie*, **2020**, 132, 19298-19304	3.6	2
171	Proapoptotic Peptide Brush Polymer Nanoparticles via Photoinitiated Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2020**, 59, 19136-19142	16.4	26
170	Modular Genetic Code Expansion Platform and PISA Yield Well-Defined Protein-Polymer Assemblies. *Biomacromolecules*, **2020**, 21, 5077-5085	6.9	6
169	The Next 100 Years of Polymer Science. *Macromolecular Chemistry and Physics*, **2020**, 221, 2000216	2.6	36
168	Use of polymeric nanoparticles to improve seed germination and plant growth under copper stress. *Science of the Total Environment*, **2020**, 745, 141055	10.2	20
167	Synthesis of functional 1,2-dithiolanes from 1,3-bis--butyl thioethers. *Organic and Biomolecular Chemistry*, **2020**, 18, 6509-6513	3.9	4
166	Effect of Polymer Chemistry on the Linear Viscoelasticity of Complex Coacervates. *Macromolecules*, **2020**, 53, 7851-7864	5.5	18
165	Cyclic Poly(4-methyl-1-pentene): Efficient Catalytic Synthesis of a Transparent Cyclic Polymer. *Macromolecules*, **2020**, 53, 7774-7782	5.5	16
164	Glass-transition temperature governs the thermal decrosslinking behavior of Diels□Alder crosslinked polymethacrylate networks. *Journal of Polymer Science*, **2020**, 58, 193-203	2.4	4

163	Post-polymerization modification of polymethacrylates enabled by keto–enol tautomerization. *Polymer Chemistry*, **2020**, 11, 2955-2958	4.9	6
162	Glass-transition temperature governs the thermal decrosslinking behavior of Diels–Alder crosslinked polymethacrylate networks **2020**, 58, 193		1
161	Externally Triggered Heat and Drug Release from Magnetically Controlled Nanocarriers. *ACS Applied Polymer Materials*, **2019**, 1, 211-220	4.3	36
160	Adaptable Crosslinks in Polymeric Materials: Resolving the Intersection of Thermoplastics and Thermosets. *Journal of the American Chemical Society*, **2019**, 141, 16181-16196	16.4	248
159	Synthesis of functional and boronic acid-containing aliphatic polyesters via Suzuki coupling. *Chemical Communications*, **2019**, 55, 5655-5658	5.8	11
158	Jammed Polyelectrolyte Microgels for 3D Cell Culture Applications: Rheological Behavior with Added Salts.. *ACS Applied Bio Materials*, **2019**, 2, 1509-1517	4.1	17
157	pH-Responsive Water-Soluble Cyclic Polymer. *Macromolecules*, **2019**, 52, 6260-6265	5.5	27
156	Quantitative characterization of 3D bioprinted structural elements under cell generated forces. *Nature Communications*, **2019**, 10, 3029	17.4	43
155	Anthracene-based mechanophores for compression-activated fluorescence in polymeric networks. *Chemical Science*, **2019**, 10, 7702-7708	9.4	37
154	Block Copolymer Sequence Inversion through Photoiniferter Polymerization. *ACS Macro Letters*, **2019**, 8, 1461-1466	6.6	20
153	Theranostic nanocarriers combining high drug loading and magnetic particle imaging. *International Journal of Pharmaceutics*, **2019**, 572, 118796	6.5	12
152	Catalyst-Free Vitrimers from Vinyl Polymers. *Macromolecules*, **2019**, 52, 2105-2111	5.5	111
151	UV-induced vesicle to micelle transition: a mechanistic study. *Polymer Chemistry*, **2019**, 10, 6037-6046	4.9	6
150	Polypropylene: Now Available without Chain Ends. *CheM*, **2019**, 5, 237-244	16.2	31
149	Architecture-transformable polymers: Reshaping the future of stimuli-responsive polymers. *Progress in Polymer Science*, **2019**, 89, 61-75	29.6	132
148	Synthesis of Multifunctional Homopolymers through Using Thiazolidine Chemistry and Post-Polymerization Modification. *Macromolecular Rapid Communications*, **2019**, 40, e1800590	4.8	5
147	Polymerization-Induced Self-Assembly of Micelles Observed by Liquid Cell Transmission Electron Microscopy. *ACS Central Science*, **2018**, 4, 543-547	16.8	59
146	Polyelectrolyte scaling laws for microgel yielding near jamming. *Soft Matter*, **2018**, 14, 1559-1570	3.6	27

145	Color-Coding Visible Light Polymerizations To Elucidate the Activation of Trithiocarbonates Using Eosin Y. *Macromolecules*, **2018**, 51, 1370-1376	5.5	96
144	Harnessing Imine Diversity To Tune Hyperbranched Polymer Degradation. *Macromolecules*, **2018**, 51, 356-363	5.5	24
143	Engineering the Surface Properties of Poly(dimethylsiloxane) Utilizing Aqueous RAFT Photografting of Acrylate/Methacrylate Monomers. *Macromolecules*, **2018**, 51, 306-317	5.5	13
142	Photoreversible Covalent Hydrogels for Soft-Matter Additive Manufacturing. *ACS Applied Materials & Interfaces*, **2018**, 10, 16793-16801	9.5	71
141	Maximizing the symbiosis of static and dynamic bonds in self-healing boronic ester networks. *Polymer Chemistry*, **2018**, 9, 2011-2020	4.9	94
140	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. *Angewandte Chemie - International Edition*, **2018**, 57, 11589-11593	16.4	24
139	Aqueous Visible-Light RAFT Polymerizations and Applications. *ACS Symposium Series*, **2018**, 43-56	0.4	2
138	Functional Diversification of Polymethacrylates by Dynamic β-Ketoester Modification. *Macromolecules*, **2018**, 51, 6380-6386	5.5	19
137	Cross-Linked Aptamer□ipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. *Angewandte Chemie*, **2018**, 130, 11763-11767	3.6	6
136	Efficiency of Biodegradable and pH-Responsive Polysuccinimide Nanoparticles (PSI-NPs) as Smart Nanodelivery Systems in Grapefruit: In Vitro Cellular Investigation. *Macromolecular Bioscience*, **2018**, 18, e1800159	5.5	19
135	Structure-Reactivity Relationships in Boronic Acid-Diol Complexation. *ACS Omega*, **2018**, 3, 17863-17870	3.9	61
134	Probing Membrane Hydration at the Interface of Self-Assembled Peptide Amphiphiles Using Electron Paramagnetic Resonance. *ACS Macro Letters*, **2018**, 7, 1261-1266	6.6	8
133	Next-generation self-healing materials. *Science*, **2018**, 362, 150-151	33.3	42
132	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. *Angewandte Chemie*, **2018**, 130, 17294-17298	3.6	23
131	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. *Angewandte Chemie - International Edition*, **2018**, 57, 17048-17052	16.4	92
130	Synthesis of multifunctional homopolymers via sequential post-polymerization reactions. *Polymer Chemistry*, **2018**, 9, 4605-4610	4.9	23
129	Self-healing boronic acid-based hydrogels for 3D co-cultures. *ACS Macro Letters*, **2018**, 7, 1105-1110	6.6	93
128	Alternating Radical Ring-Opening Polymerization of Cyclic Ketene Acetals: Access to Tunable and Functional Polyester Copolymers. *Macromolecules*, **2018**, 51, 5079-5084	5.5	34

127	Next generation protein-polymer conjugates. *AICHE Journal*, **2018**, 64, 3230-3245	3.6	40
126	Tuning Hydrophobicity To Program Block Copolymer Assemblies from the Inside Out. *Macromolecules*, **2017**, 50, 935-943	5.5	130
125	Poly(-(2-Hydroxypropyl) Methacrylamide)-Valproic Acid Conjugates as Block Copolymer Nanocarriers. *Polymer Chemistry*, **2017**, 8, 4983-4987	4.9	20
124	Macromolecular metamorphosis via stimulus-induced transformations of polymer architecture. *Nature Chemistry*, **2017**, 9, 817-823	17.6	133
123	Ultra-High Molecular Weights via Aqueous Reversible-Deactivation Radical Polymerization. *CheM*, **2017**, 2, 93-101	16.2	156
122	Catalyst-Free Photoinduced End-Group Removal of Thiocarbonylthio Functionality. *ACS Macro Letters*, **2017**, 6, 185-189	6.6	51
121	Triple responsive block copolymers combining pH-responsive, thermoresponsive, and glucose-responsive behaviors. *Journal of Polymer Science Part A*, **2017**, 55, 2309-2317	2.5	29
120	Self-assembled micro-organogels for 3D printing silicone structures. *Science Advances*, **2017**, 3, e1602800	14.3	144
119	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. *Chemical Science*, **2017**, 8, 6182-6187	9.4	71
118	Grafting-From Proteins Using Metal-Free PET-RAFT Polymerizations under Mild Visible-Light Irradiation. *ACS Macro Letters*, **2017**, 6, 452-457	6.6	113
117	Mild and efficient synthesis of heterodifunctionalized polymers and polymer bioconjugates. *Polymer Chemistry*, **2017**, 8, 2457-2461	4.9	11
116	Star Architecture Promoting Morphological Transitions during Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2017**, 6, 337-342	6.6	79
115	Near-IR-induced dissociation of thermally-sensitive star polymers. *Chemical Science*, **2017**, 8, 1815-1821	9.4	26
114	Synthetic upcycling of polyacrylates through organocatalyzed post-polymerization modification. *Chemical Science*, **2017**, 8, 7705-7709	9.4	46
113	Modular and rapid access to amphiphilic homopolymers via successive chemoselective post-polymerization modification. *Polymer Chemistry*, **2017**, 8, 6028-6032	4.9	16
112	Radical Ring-Opening Copolymerization of Cyclic Ketene Acetals and Maleimides Affords Homogeneous Incorporation of Degradable Units. *ACS Macro Letters*, **2017**, 6, 1071-1077	6.6	33
111	Responsive Dynamic Covalent Polymers **2017**, 321-358		8
110	Domain Spacing and Composition Profile Behavior in Salt-Doped Cyclic vs Linear Block Polymer Thin Films: A Joint Experimental and Simulation Study. *Macromolecules*, **2017**, 50, 7169-7176	5.5	21

109	50th Anniversary Perspective: Polymer Functionalization. *Macromolecules*, **2017**, 50, 5215-5252	5.5	225
108	Synthesis and Applications of Boronic Acid-Containing Polymers: From Materials to Medicine. *Chemical Reviews*, **2016**, 116, 1375-97	68.1	498
107	Radical Departure: Thermally-Triggered Degradation of Azo-Containing Poly(thioester)s. *ACS Macro Letters*, **2016**, 5, 688-693	6.6	26
106	Modular segmented hyperbranched copolymers. *Polymer Chemistry*, **2016**, 7, 4155-4159	4.9	18
105	Doubly-dynamic-covalent polymers composed of oxime and oxanorbornene links. *Polymer Chemistry*, **2016**, 7, 1971-1978	4.9	31
104	Hyperbranched poly(N-(2-hydroxypropyl) methacrylamide) via RAFT self-condensing vinyl polymerization. *Polymer Chemistry*, **2016**, 7, 2099-2104	4.9	39
103	Closed-System One-Pot Block Copolymerization by Temperature-Modulated Monomer Segregation. *Angewandte Chemie*, **2016**, 128, 8766-8771	3.6	8
102	Closed-System One-Pot Block Copolymerization by Temperature-Modulated Monomer Segregation. *Angewandte Chemie - International Edition*, **2016**, 55, 8624-9	16.4	21
101	Employing a Sugar-Derived Dimethacrylate to Evaluate Controlled Branch Growth during Polymerization with Multiolefinic Compounds. *Macromolecules*, **2016**, 49, 9396-9405	5.5	10
100	Highly Tactic Cyclic Polynorbornene: Stereoselective Ring Expansion Metathesis Polymerization of Norbornene Catalyzed by a New Tethered Tungsten-Alkylidene Catalyst. *Journal of the American Chemical Society*, **2016**, 138, 4996-9	16.4	56
99	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. *Chemical Science*, **2016**, 7, 6041-6049	9.4	30
98	Multifunctional Homopolymers: Postpolymerization Modification via Sequential Nucleophilic Aromatic Substitution. *Macromolecules*, **2016**, 49, 2077-2084	5.5	33
97	Hyperbranched polymers via RAFT self-condensing vinyl polymerization. *Polymer Chemistry*, **2016**, 7, 3361-3369	4.9	76
96	Introducing "Ynene" Metathesis: Ring-Expansion Metathesis Polymerization Leads to Highly Cis and Syndiotactic Cyclic Polymers of Norbornene. *Journal of the American Chemical Society*, **2016**, 138, 6408-11	16.4	52
95	Synthesis of novel boronic acid-decorated poly(2-oxazoline)s showing triple-stimuli responsive behavior. *Polymer Chemistry*, **2016**, 7, 6725-6734	4.9	26
94	Expanding the Scope of RAFT Polymerization: Recent Advances and New Horizons. *Macromolecules*, **2015**, 48, 5459-5469	5.5	343
93	Self-healing hydrogels containing reversible oxime crosslinks. *Soft Matter*, **2015**, 11, 6152-61	3.6	134
92	Role of Polymer Architecture on the Activity of Polymer-Protein Conjugates for the Treatment of Accelerated Bone Loss Disorders. *Biomacromolecules*, **2015**, 16, 2374-81	6.9	21

91	Facile synthesis of drug-conjugated PHPMA core-crosslinked star polymers. *Polymer Chemistry*, **2015**, 6, 4258-4263	4.9	39
90	Biodegradable and pH-responsive nanoparticles designed for site-specific delivery in agriculture. *Biomacromolecules*, **2015**, 16, 1276-82	6.9	51
89	Room-Temperature Self-Healing Polymers Based on Dynamic-Covalent Boronic Esters. *Macromolecules*, **2015**, 48, 2098-2106	5.5	405
88	Polymerization-induced thermal self-assembly (PITSA). *Chemical Science*, **2015**, 6, 1230-1236	9.4	262
87	Aminobisphosphonate Polymers via RAFT and a Multicomponent Kabachnik-Fields Reaction. *Macromolecular Rapid Communications*, **2015**, 36, 828-33	4.8	33
86	Boronic Acid Linear Homopolymers as Effective Emulsifiers and Gelators. *ACS Applied Materials & Interfaces*, **2015**, 7, 21668-72	9.5	20
85	Doubly-responsive hyperbranched polymers and core-crosslinked star polymers with tunable reversibility. *Polymer Chemistry*, **2015**, 6, 7871-7880	4.9	30
84	Photo-PISA: Shedding Light on Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2015**, 4, 1249-1253	6.6	274
83	Efficient and Chemoselective Synthesis of Heterodifunctional Polymers. *ACS Macro Letters*, **2015**, 4, 1114-1118	6.6	30
82	Probing the surface-localized hyperthermia of gold nanoparticles in a microwave field using polymeric thermometers. *Chemical Science*, **2015**, 6, 5662-5669	9.4	37
81	Beyond microstructures: Using the Kerr Effect to characterize the macrostructures of synthetic polymers. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 155-166	2.6	11
80	Smart hybrid materials by conjugation of responsive polymers to biomacromolecules. *Nature Materials*, **2015**, 14, 143-59	27	447
79	Macromol. Rapid Commun. 9/2015. *Macromolecular Rapid Communications*, **2015**, 36, 860-860	4.8	
78	Synthesis of amphiphilic polysuccinimide star copolymers for responsive delivery in plants. *Chemical Communications*, **2015**, 51, 9694-7	5.8	26
77	Boronic Acid-Based Hydrogels Undergo Self-Healing at Neutral and Acidic pH. *ACS Macro Letters*, **2015**, 4, 220-224	6.6	297
76	Oximes as reversible links in polymer chemistry: dynamic macromolecular stars. *Polymer Chemistry*, **2014**, 5, 6923-6931	4.9	55
75	A photonic glucose biosensor for chronic wound prognostics. *Journal of Materials Chemistry B*, **2014**, 2, 3972-3983	7.3	26
74	Poly(N-(2-hydroxypropyl) methacrylamide)-based nanotherapeutics. *Polymer Chemistry*, **2014**, 5, 1566-1572	4.9	65

73	Thermally-labile segmented hyperbranched copolymers: using reversible-covalent chemistry to investigate the mechanism of self-condensing vinyl copolymerization. *Chemical Science*, **2014**, 5, 4646-4655	9.4	63
72	Let there be light: photo-cross-linked block copolymer nanoparticles. *Macromolecular Rapid Communications*, **2014**, 35, 174-179	4.8	20
71	Precision Control of Temperature Response by Copolymerization of Di(Ethylene Glycol) Acrylate and an Acrylamide Comonomer. *Macromolecular Chemistry and Physics*, **2013**, 214, 272-279	2.6	42
70	New directions in thermoresponsive polymers. *Chemical Society Reviews*, **2013**, 42, 7214-43	58.5	918
69	Redox-Responsive Dynamic-Covalent Assemblies: Stars and Miktoarm Stars. *Macromolecules*, **2013**, 46, 2188-2198	5.5	86
68	Characterizing polymer macrostructures by identifying and locating microstructures along their chains with the kerr effect. *Journal of Polymer Science, Part B: Polymer Physics*, **2013**, 51, 735-741	2.6	14
67	Modular oxime functionalization of well-defined alkoxyamine-containing polymers. *Polymer Chemistry*, **2012**, 3, 1758-1762	4.9	35
66	Glucose-Sensitivity of Boronic Acid Block Copolymers at Physiological pH. *ACS Macro Letters*, **2012**, 1, 529-532	6.6	144
65	Tuning the sugar-response of boronic acid block copolymers. *Journal of Polymer Science Part A*, **2012**, 50, 3373-3382	2.5	51
64	Microwave-Assisted RAFT Polymerization. *Israel Journal of Chemistry*, **2012**, 52, 256-263	3.4	24
63	Reversible Addition-Fragmentation Chain Transfer Polymerization under Microwave Heating Conditions. *ACS Symposium Series*, **2012**, 277-291	0.4	6
62	Activity Control of Mussel Glue Derived Enzymes: A Study on Thermoresponsive Tyrosinase-PNIPAM Conjugates. *ACS Symposium Series*, **2012**, 271-285	0.4	3
61	Dynamic-covalent nanostructures prepared by Diels Alder reactions of styrene-maleic anhydride-derived copolymers obtained by one-step cascade block copolymerization. *Polymer Chemistry*, **2012**, 3, 3112	4.9	89
60	Block copolymer conjugates prepared by sequentially grafting from proteinsvia RAFT. *Polymer Chemistry*, **2011**, 2, 1531	4.9	89
59	Protein conjugation of thermoresponsive amine-reactive polymers prepared by RAFT. *Polymer Chemistry*, **2011**, 2, 323-327	4.9	82
58	Molecular Brushes Densely Grafted Copolymers **2011**, 1103-1135		4
57	Dynamic-covalent macromolecular stars with boronic ester linkages. *Journal of the American Chemical Society*, **2011**, 133, 19832-8	16.4	192
56	Biomedical applications of boronic acid polymers. *Polymer*, **2011**, 52, 4631-4643	3.9	302

55	Thermoresponsive block copolymer-protein conjugates prepared by grafting-from via RAFT polymerization. *Macromolecular Rapid Communications*, **2011**, 32, 354-9	4.8	80
54	Biological- and Field-Responsive Polymers: Expanding Potential in Smart Materials **2011**, 27-57		8
53	Effect of chain topology on the self-organization and the mechanical properties of poly(n-butyl acrylate)-b-polystyrene block copolymers. *Polymer*, **2011**, 52, 2576-2583	3.9	23
52	Block copolymerization of vinyl ester monomers via RAFT/MADIX under microwave irradiation. *Polymer*, **2011**, 52, 3038-3045	3.9	34
51	Macromolecular Engineering through Click Chemistry and Other Efficient Transformations. *Macromolecules*, **2010**, 43, 1-13	5.5	615
50	Conjugation of RAFT-generated polymers to proteins by two consecutive thiol-ene reactions. *Polymer Chemistry*, **2010**, 1, 854	4.9	133
49	Surface Modification of Positive Contrast Nanoparticle Agents with RAFT Polymers Towards the Targeted Imaging and Treatment of Cancer. *ACS Symposium Series*, **2010**, 65-101	0.4	2
48	Future perspectives and recent advances in stimuli-responsive materials. *Progress in Polymer Science*, **2010**, 35, 278-301	29.6	1172
47	Facile synthesis of thiol-terminated poly(styrene-ran-vinyl phenol) (PSVPh) copolymers via reversible addition-fragmentation chain transfer (RAFT) polymerization and their use in the synthesis of gold nanoparticles with controllable hydrophilicity. *Polymer*, **2010**, 51, 1244-1251	3.9	27
46	Tuning the magnetic resonance imaging properties of positive contrast agent nanoparticles by surface modification with RAFT polymers. *Langmuir*, **2009**, 25, 9487-99	4	106
45	Boronic Acid-Terminated Polymers: Synthesis by RAFT and Subsequent Supramolecular and Dynamic Covalent Self-Assembly. *Macromolecules*, **2009**, 42, 5614-5621	5.5	93
44	Temperature and redox responsive hydrogels from ABA triblock copolymers prepared by RAFT polymerization. *Soft Matter*, **2009**, 5, 2347-2351	3.6	135
43	Triply-responsive boronic acid block copolymers: solution self-assembly induced by changes in temperature, pH, or sugar concentration. *Chemical Communications*, **2009**, 2106-8	5.8	220
42	Rapid Block Copolymer Synthesis by Microwave-Assisted RAFT Polymerization. *Macromolecules*, **2009**, 42, 7701-7708	5.5	67
41	Folate-conjugated thermoresponsive block copolymers: highly efficient conjugation and solution self-assembly. *Biomacromolecules*, **2008**, 9, 1064-70	6.9	189
40	Temperature-regulated activity of responsive polymer-protein conjugates prepared by grafting-from via RAFT polymerization. *Journal of the American Chemical Society*, **2008**, 130, 11288-9	16.4	359
39	RAFT-synthesized diblock and triblock copolymers: thermally-induced supramolecular assembly in aqueous media. *Soft Matter*, **2008**, 4, 1760	3.6	183
38	Sugar-responsive block copolymers by direct RAFT polymerization of unprotected boronic acid monomers. *Chemical Communications*, **2008**, 2477-9	5.8	165

37	Tuning the Temperature Response of Branched Poly(N-isopropylacrylamide) Prepared by RAFT Polymerization. *Macromolecules*, **2008**, 41, 7368-7373	5.5	135
36	pH Response of Model Diblock and Triblock Copolymer Networks Containing Polystyrene and Poly(2-hydroxyethyl methacrylate-co-2-(dimethylamino)ethyl methacrylate). *Macromolecules*, **2008**, 41, 4390-4397	5.5	27
35	End group transformations of RAFT-generated polymers with bismaleimides: Functional telechelics and modular block copolymers. *Journal of Polymer Science Part A*, **2008**, 46, 5093-5100	2.5	202
34	Responsive Polymer-Protein Bioconjugates Prepared by RAFT Polymerization and Copper-Catalyzed Azide-Alkyne Click Chemistry. *Macromolecular Rapid Communications*, **2008**, 29, 1172-1176	4.8	166
33	Cylindrical molecular brushes: Synthesis, characterization, and properties. *Progress in Polymer Science*, **2008**, 33, 759-785	29.6	919
32	Development of biodegradable crosslinked urethane-doped polyester elastomers. *Biomaterials*, **2008**, 29, 4637-49	15.6	102
31	Facile strategy to well-defined water-soluble boronic acid (co)polymers. *Journal of the American Chemical Society*, **2007**, 129, 10348-9	16.4	141
30	Solution Behavior of Temperature-Responsive Molecular Brushes Prepared by ATRP. *Macromolecular Chemistry and Physics*, **2007**, 208, 30-36	2.6	103
29	Structural mobility of molecular bottle-brushes investigated by NMR relaxation dynamics. *Polymer*, **2007**, 48, 496-501	3.9	29
28	Hyperbranched Polymers via RAFT Copolymerization of an Acryloyl Trithiocarbonate. *Australian Journal of Chemistry*, **2007**, 60, 396	1.2	85
27	Multisegmented Block Copolymers by 'Click' Coupling of Polymers Prepared by ATRP. *Australian Journal of Chemistry*, **2007**, 60, 400	1.2	66
26	Versatile Pathway to Functional Telechelics via RAFT Polymerization and Click Chemistry. *Macromolecules*, **2007**, 40, 474-481	5.5	207
25	An Efficient Route to Macromonomers via ATRP and Click Chemistry. *Macromolecules*, **2006**, 39, 5286-5292	5.5	189
24	Catalyst Performance in "Click" Coupling Reactions of Polymers Prepared by ATRP: Ligand and Metal Effects. *Macromolecules*, **2006**, 39, 6451-6457	5.5	206
23	Acrylate-Based Block Copolymers Prepared by Atom Transfer Radical Polymerization as Matrices for Drug Delivery Applications. *ACS Symposium Series*, **2006**, 234-251	0.4	6
22	Click Functionalization of Well-Defined Copolymers Prepared by Atom Transfer Radical Polymerization. *ACS Symposium Series*, **2006**, 140-152	0.4	12
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16	Synthesis of Terminally Functionalized (Co)Polymers via Reversible Addition Fragmentation Chain Transfer Polymerization and Subsequent Immobilization to Solid Surfaces with Potential Biosensor Applications. *ACS Symposium Series*, **2005**, 43-54	0.4	4
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