

Marc A Hillmyer

List of Publications by Year in descending order

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577
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docs citations

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23020
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiblock Polymers: Panacea or Pandora's Box?. <i>Science</i> , 2012, 336, 434-440.	6.0	930
2	Multicompartment Micelles from ABC Miktoarm Stars in Water. <i>Science</i> , 2004, 306, 98-101.	6.0	928
3	Polymers from Renewable Resources: A Perspective for a Special Issue of <i>Polymer Reviews</i> . <i>Polymer Reviews</i> , 2008, 48, 1-10.	5.3	808
4	Polymerization of lactide and related cyclic esters by discrete metal complexes. <i>Dalton Transactions RSC</i> , 2001, , 2215-2224.	2.3	787
5	<i>50th Anniversary Perspective</i>: There Is a Great Future in Sustainable Polymers. <i>Macromolecules</i> , 2017, 50, 3733-3749.	2.2	700
6	Mechanically Activated, Catalyst-Free Polyhydroxyurethane Vitrimers. <i>Journal of the American Chemical Society</i> , 2015, 137, 14019-14022.	6.6	593
7	A Highly Active Zinc Catalyst for the Controlled Polymerization of Lactide. <i>Journal of the American Chemical Society</i> , 2003, 125, 11350-11359.	6.6	579
8	Nanoporous Membranes Derived from Block Copolymers: From Drug Delivery to Water Filtration. <i>ACS Nano</i> , 2010, 4, 3548-3553.	7.3	565
9	Ordered Nanoporous Polymers from Polystyrene-Poly(lactide) Block Copolymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 12761-12773.	6.6	530
10	Toughening Poly(lactide). <i>Polymer Reviews</i> , 2008, 48, 85-108.	5.3	513
11	Aliphatic Polyester Block Polymers: Renewable, Degradable, and Sustainable. <i>Accounts of Chemical Research</i> , 2014, 47, 2390-2396.	7.6	496
12	Solvent Vapor Annealing of Block Polymer Thin Films. <i>Macromolecules</i> , 2013, 46, 5399-5415.	2.2	470
13	A Bicontinuous Double Gyroid Hybrid Solar Cell. <i>Nano Letters</i> , 2009, 9, 2807-2812.	4.5	446
14	Multicompartment Block Polymer Micelles. <i>Macromolecules</i> , 2012, 45, 2-19.	2.2	436
15	Polydispersity and block copolymer self-assembly. <i>Progress in Polymer Science</i> , 2008, 33, 875-893.	11.8	419
16	Post-polymerization functionalization of polyolefins. <i>Chemical Society Reviews</i> , 2005, 34, 267.	18.7	418
17	Nanostructured Thermosets from Self-Assembled Amphiphilic Block Copolymer/Epoxy Resin Mixtures. <i>Journal of the American Chemical Society</i> , 1998, 120, 8963-8970.	6.6	408
18	Self-Assembly and Polymerization of Epoxy Resin-Amphiphilic Block Copolymer Nanocomposites. <i>Journal of the American Chemical Society</i> , 1997, 119, 2749-2750.	6.6	393

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19	Poly lactide Vitrimers. ACS Macro Letters, 2014, 3, 607-610.	2.3	386
20	High Temperature/Low Modulus Block Polymers: How Far Can We Go?. ACS Macro Letters, 2015, 4, 1044-1050.	2.3	370
21	Self-Assembled Block Copolymer Thin Films as Water Filtration Membranes. ACS Applied Materials & Interfaces, 2010, 2, 847-853.	4.0	366
22	Graphene/polyethylene nanocomposites: Effect of polyethylene functionalization and blending methods. Polymer, 2011, 52, 1837-1846.	1.8	358
23	Approaches to Sustainable and Continually Recyclable Cross-Linked Polymers. ACS Sustainable Chemistry and Engineering, 2018, 6, 11145-11159.	3.2	348
24	Toughening of polylactide by melt blending with linear low-density polyethylene. Journal of Applied Polymer Science, 2003, 89, 3757-3768.	1.3	335
25	Templating Nanoporous Polymers with Ordered Block Copolymers. Chemistry of Materials, 2008, 20, 869-890.	3.2	333
26	Nanoporous Materials from Block Copolymer Precursors. , 0, , 137-181.		314
27	Synthesis and Characterization of Model Polyalkane-Poly(ethylene oxide) Block Copolymers. Macromolecules, 1996, 29, 6994-7002.	2.2	306
28	Polymeric Bicontinuous Microemulsions. Physical Review Letters, 1997, 79, 849-852.	2.9	300
29	Poly lactide stereocomplex crystallites as nucleating agents for isotactic polylactide. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 300-313.	2.4	299
30	Mechanistic Comparison of Cyclic Ester Polymerizations by Novel Iron(III)-Alkoxide Complexes: A Single vs Multiple Site Catalysis. Journal of the American Chemical Society, 2002, 124, 4384-4393.	6.6	280
31	Ordered Network Mesostuctures in Block Polymer Materials. Macromolecules, 2009, 42, 7221-7250.	2.2	277
32	Influence of Polydispersity on the Self-Assembly of Diblock Copolymers. Macromolecules, 2005, 38, 8803-8810.	2.2	276
33	High-Modulus, High-Conductivity Nanostructured Polymer Electrolyte Membranes via Polymerization-Induced Phase Separation. Nano Letters, 2014, 14, 122-126.	4.5	274
34	Reprocessable Acid-Degradable Polycarbonate Vitrimers. Macromolecules, 2018, 51, 389-397.	2.2	273
35	The influence of block copolymer microstructure on the toughness of compatibilized polylactide/polyethylene blends. Polymer, 2004, 45, 8809-8823.	1.8	269
36	Morphologies of Multicompartment Micelles Formed by ABC Miktoarm Star Terpolymers. Langmuir, 2006, 22, 9409-9417.	1.6	266

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37	Stability of the Perforated Layer (PL) Phase in Diblock Copolymer Melts. <i>Macromolecules</i> , 1997, 30, 3788-3795.	2.2	259
38	Reticulated Nanoporous Polymers by Controlled Polymerization-Induced Microphase Separation. <i>Science</i> , 2012, 336, 1422-1425.	6.0	256
39	The promise of plastics from plants. <i>Science</i> , 2017, 358, 868-870.	6.0	253
40	Simultaneous, Segregated Storage of Two Agents in a Multicompartment Micelle. <i>Journal of the American Chemical Society</i> , 2005, 127, 17608-17609.	6.6	249
41	Melt preparation and nucleation efficiency of polylactide stereocomplex crystallites. <i>Polymer</i> , 2006, 47, 2030-2035.	1.8	243
42	Nanochannel Array Plastics with Tailored Surface Chemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 13373-13379.	6.6	232
43	Polymorph Selectivity under Nanoscopic Confinement. <i>Journal of the American Chemical Society</i> , 2004, 126, 3382-3383.	6.6	227
44	Thermal processing of diblock copolymer melts mimics metallurgy. <i>Science</i> , 2017, 356, 520-523.	6.0	227
45	Processing and properties of porous poly(l-lactide)/bioactive glass composites. <i>Biomaterials</i> , 2004, 25, 2489-2500.	5.7	211
46	Mesoporous Polystyrene Monoliths. <i>Journal of the American Chemical Society</i> , 2001, 123, 1519-1520.	6.6	206
47	Toughening of Epoxies with Block Copolymer Micelles of Wormlike Morphology. <i>Macromolecules</i> , 2010, 43, 7238-7243.	2.2	206
48	Unambiguous Determination of the ¹³ C and ¹ H NMR Stereosequence Assignments of Polylactide Using High-Resolution Solution NMR Spectroscopy. <i>Macromolecules</i> , 2002, 35, 7700-7707.	2.2	201
49	Aliphatic Polyester Block Polymer Design. <i>Macromolecules</i> , 2016, 49, 2419-2428.	2.2	200
50	Rapid and Controlled Polymerization of Lactide by Structurally Characterized Ferric Alkoxides. <i>Journal of the American Chemical Society</i> , 2001, 123, 339-340.	6.6	198
51	Sub-5 nm Domains in Ordered Poly(cyclohexylethylene)- <i>block</i> -poly(methyl methacrylate) Block Polymers for Lithography. <i>Macromolecules</i> , 2014, 47, 1411-1418.	2.2	197
52	Laterally Nanostructured Vesicles, Polygonal Bilayer Sheets, and Segmented Wormlike Micelles. <i>Nano Letters</i> , 2006, 6, 1245-1249.	4.5	194
53	Polyethylene-poly(L-lactide) diblock copolymers: Synthesis and compatibilization of poly(L-lactide)/polyethylene blends. <i>Journal of Polymer Science Part A</i> , 2001, 39, 2755-2766.	2.5	193
54	Cylinder Orientation Mechanism in Block Copolymer Thin Films Upon Solvent Evaporation. <i>Macromolecules</i> , 2010, 43, 7763-7770.	2.2	193

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55	Ring-Opening Metathesis Polymerization of Functionalized Cyclooctenes by a Ruthenium-Based Metathesis Catalyst. <i>Macromolecules</i> , 1995, 28, 6311-6316.	2.2	189
56	Nanoporous Poly(3-alkylthiophene) Thin Films Generated from Block Copolymer Templates. <i>Macromolecules</i> , 2008, 41, 67-75.	2.2	182
57	A Virtual Issue of <i>Macromolecules</i> : "Polymers from Renewable Resources". <i>Macromolecules</i> , 2009, 42, 7987-7989.	2.2	180
58	Micellar Shape Change and Internal Segregation Induced by Chemical Modification of a Tryptych Block Copolymer Surfactant. <i>Journal of the American Chemical Society</i> , 2003, 125, 10182-10183.	6.6	179
59	Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene. <i>Macromolecules</i> , 1997, 30, 718-721.	2.2	175
60	Control of Structure in Multicompart ment Micelles by Blending 1/4-ABC Star Terpolymers with AB Diblock Copolymers. <i>Macromolecules</i> , 2006, 39, 765-771.	2.2	174
61	Block Copolymer Morphologies in Dye-Sensitized Solar Cells: Probing the Photovoltaic Structure-Function Relation. <i>Nano Letters</i> , 2009, 9, 2813-2819.	4.5	163
62	Hierarchically Porous Polymers from Hyper-cross-linked Block Polymer Precursors. <i>Journal of the American Chemical Society</i> , 2015, 137, 600-603.	6.6	163
63	Renewable-Resource Thermoplastic Elastomers Based on Polylactide and Polymenthide. <i>Biomacromolecules</i> , 2007, 8, 3634-3640.	2.6	162
64	Manipulating Crystal Growth and Polymorphism by Confinement in Nanoscale Crystallization Chambers. <i>Accounts of Chemical Research</i> , 2012, 45, 414-423.	7.6	162
65	Model Bicontinuous Microemulsions in Ternary Homopolymer/Block Copolymer Blends. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4814-4824.	1.2	159
66	Block Copolymer Toughened Epoxy: Role of Cross-Link Density. <i>Macromolecules</i> , 2009, 42, 2333-2335.	2.2	159
67	Scalable production of mechanically tunable block polymers from sugar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8357-8362.	3.3	159
68	Synthesis of Sequence-Specific Vinyl Copolymers by Regioselective ROMP of Multiply Substituted Cyclooctenes. <i>ACS Macro Letters</i> , 2012, 1, 1383-1387.	2.3	156
69	Electronic influence of ligand substituents on the rate of polymerization of ϵ -caprolactone by single-site aluminium alkoxide catalysts. <i>Dalton Transactions</i> , 2003, , 3082-3087.	1.6	155
70	A Bifunctional Monomer Derived from Lactide for Toughening Polylactide. <i>Journal of the American Chemical Society</i> , 2008, 130, 13826-13827.	6.6	154
71	Stereoelective polymerization of d,l-lactide using N-heterocyclic carbene based compounds. <i>Chemical Communications</i> , 2004, , 2504.	2.2	153
72	Sustainable Thermoplastic Elastomers from Terpene-Derived Monomers. <i>ACS Macro Letters</i> , 2014, 3, 717-720.	2.3	152

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73	Synthesis of fluorinated polymers by chemical modification. <i>Progress in Polymer Science</i> , 2002, 27, 971-1005.	11.8	148
74	Nanoporous Polystyrene Containing Hydrophilic Pores from an ABC Triblock Copolymer Precursor. <i>Macromolecules</i> , 2005, 38, 3-5.	2.2	145
75	Toughening of Polylactide with Polymerized Soybean Oil. <i>Macromolecules</i> , 2010, 43, 1807-1814.	2.2	144
76	Chemically Recyclable Biobased Polyurethanes. <i>ACS Macro Letters</i> , 2016, 5, 515-518.	2.3	143
77	Disklike Micelles in Water from Polyethylene-Containing Diblock Copolymers. <i>Macromolecules</i> , 2011, 44, 3021-3028.	2.2	142
78	Bottlebrush Block Polymers: Quantitative Theory and Experiments. <i>ACS Nano</i> , 2015, 9, 12233-12245.	7.3	141
79	Mechanistic Study of the Stereoselective Polymerization of d,l-Lactide Using Indium(III) Halides. <i>Journal of the American Chemical Society</i> , 2010, 132, 11649-11657.	6.6	140
80	Discrete Yttrium(III) Complexes as Lactide Polymerization Catalysts. <i>Macromolecules</i> , 1999, 32, 2400-2402.	2.2	137
81	Linear Rheology of Polyolefin-Based Bottlebrush Polymers. <i>Macromolecules</i> , 2015, 48, 4680-4691.	2.2	137
82	Metalloenzyme inspired dizinc catalyst for the polymerization of lactide. <i>Chemical Communications</i> , 2002, , 2132-2133.	2.2	136
83	Polymerization of Lactide by Monomeric Sn(II) Alkoxide Complexes. <i>Macromolecules</i> , 2002, 35, 644-650.	2.2	136
84	Rhodium-Catalyzed, Regiospecific Functionalization of Polyolefins in the Melt. <i>Journal of the American Chemical Society</i> , 2002, 124, 1164-1165.	6.6	135
85	Strong, Resilient, and Sustainable Aliphatic Polyester Thermoplastic Elastomers. <i>Biomacromolecules</i> , 2017, 18, 1845-1854.	2.6	134
86	Hierarchically Porous Polymer Monoliths by Combining Controlled Macro- and Microphase Separation. <i>Journal of the American Chemical Society</i> , 2015, 137, 8896-8899.	6.6	133
87	Effects of Polydispersity on the Order-Disorder Transition in Block Copolymer Melts. <i>Macromolecules</i> , 2007, 40, 8050-8055.	2.2	132
88	Synthesis of ABA Triblock Copolymers by a Tandem ROMP-RAFT Strategy. <i>Macromolecules</i> , 2005, 38, 7890-7894.	2.2	130
89	Controlled Polymerization of d,l-Lactide and ϵ -Caprolactone by Structurally Well-Defined Alkoxo-Bridged Di- and Triyttrium(III) Complexes. <i>Macromolecules</i> , 2000, 33, 3970-3977.	2.2	129
90	Zinc N-heterocyclic carbene complexes and their polymerization of d,l-lactide. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5881-5891.	0.8	129

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91	Multicompartment Micelles from Polyester-Containing ABC Miktoarm Star Terpolymers. <i>Macromolecules</i> , 2008, 41, 8815-8822.	2.2	126
92	Pressure-Sensitive Adhesives from Renewable Triblock Copolymers. <i>Macromolecules</i> , 2011, 44, 87-94.	2.2	126
93	Catalytic Hydroxylation of Polypropylenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 767-776.	6.6	124
94	Comparison of structurally analogous Zn ₂ , Co ₂ , and Mg ₂ catalysts for the polymerization of cyclic esters. <i>Dalton Transactions</i> , 2006, , 928-936.	1.6	124
95	Regio- and Stereoselective Ring-Opening Metathesis Polymerization of 3-Substituted Cyclooctenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 5794-5797.	6.6	124
96	Thermoplastic Elastomers Derived from Menthide and Tulipalin A. <i>Biomacromolecules</i> , 2012, 13, 3833-3840.	2.6	122
97	Poly(lactide)- <i>b</i> -Poly(dimethylsiloxane)- <i>b</i> -Poly(lactide) Triblock Copolymers as Multifunctional Materials for Nanolithographic Applications. <i>ACS Nano</i> , 2010, 4, 725-732.	7.3	121
98	Ring-opening metathesis polymerization of 8-membered cyclic olefins. <i>Polymer Chemistry</i> , 2014, 5, 3507.	1.9	120
99	Gas and water liquid transport through nanoporous block copolymer membranes. <i>Journal of Membrane Science</i> , 2006, 286, 144-152.	4.1	119
100	Lactide polymerization activity of alkoxide, phenoxide, and amide derivatives of yttrium(III) arylamidinates. <i>Journal of Polymer Science Part A</i> , 2001, 39, 284-293.	2.5	116
101	Poly(lactide)- <i>b</i> -Poly(6-methyl- ϵ -caprolactone)- <i>b</i> -Poly(lactide) Thermoplastic Elastomers. <i>Macromolecules</i> , 2011, 44, 8537-8545.	2.2	116
102	Molecular Weight Dependence of Zero-Shear Viscosity in Atactic Polypropylene Bottlebrush Polymers. <i>ACS Macro Letters</i> , 2014, 3, 423-427.	2.3	116
103	Transition Mechanisms for Complex Ordered Phases in Block Copolymer Melts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1356-1363.	1.2	115
104	Structural and Mechanistic Studies of Bis(phenolato)amine Zinc(II) Catalysts for the Polymerization of ϵ -Caprolactone. <i>Inorganic Chemistry</i> , 2007, 46, 6565-6574.	1.9	114
105	Controlled Chain Walking for the Synthesis of Thermoplastic Polyolefin Elastomers: Synthesis, Structure, and Properties. <i>Macromolecules</i> , 2016, 49, 6743-6751.	2.2	114
106	Robust Nanoporous Membranes Templated by a Doubly Reactive Block Copolymer. <i>Journal of the American Chemical Society</i> , 2007, 129, 13786-13787.	6.6	111
107	Glycine Polymorphism in Nanoscale Crystallization Chambers. <i>Crystal Growth and Design</i> , 2008, 8, 3368-3375.	1.4	111
108	Stereoselective and controlled polymerization of d,l-lactide using indium(III) trichloride. <i>Chemical Communications</i> , 2009, , 2736.	2.2	111

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109	Characterization of Poly(lactide-b-polyisoprene-b-poly(lactide) Thermoplastic Elastomers. <i>Biomacromolecules</i> , 2003, 4, 216-223.	2.6	108
110	Next-Generation Ultrafiltration Membranes Enabled by Block Polymers. <i>ACS Nano</i> , 2020, 14, 16446-16471.	7.3	108
111	Aqueous ring-opening metathesis polymerization of carboximide-functionalized 7-oxanorbornenes. <i>Macromolecules</i> , 1992, 25, 3345-3350.	2.2	107
112	Efficient Formation of Multicompartment Hydrogels by Stepwise Self-Assembly of Thermoresponsive ABC Triblock Terpolymers. <i>Journal of the American Chemical Society</i> , 2012, 134, 10365-10368.	6.6	107
113	Conformational Asymmetry and Quasicrystal Approximants in Linear Diblock Copolymers. <i>Physical Review Letters</i> , 2017, 118, 207801.	2.9	107
114	Confined Crystallization and Morphology of Melt Segregated PLLA- <i>b</i> -PE and PLDA- <i>b</i> -PE Diblock Copolymers. <i>Macromolecules</i> , 2008, 41, 6154-6164.	2.2	106
115	Nanoporous Linear Polyethylene from a Block Polymer Precursor. <i>Journal of the American Chemical Society</i> , 2010, 132, 8230-8231.	6.6	106
116	Preparation of hydroxytelechelic poly(butadiene) via ring-opening metathesis polymerization employing a well-defined metathesis catalyst. <i>Macromolecules</i> , 1993, 26, 872-874.	2.2	105
117	Reactive Compatibilization of Poly(l-lactide) and Conjugated Soybean Oil. <i>Macromolecules</i> , 2010, 43, 2313-2321.	2.2	105
118	Micellization and Micellar Aggregation of Poly(ethylene- <i>alt</i> -propylene)- <i>b</i> -poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2011, 44, 1635-1641.	2.2	103
119	Structural effects on the reprocessability and stress relaxation of crosslinked polyhydroxyurethanes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 44984.	1.3	103
120	Acrylic Triblock Copolymers Incorporating Isosorbide for Pressure Sensitive Adhesives. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3379-3387.	3.2	102
121	Sustainable Polyester Elastomers from Lactones: Synthesis, Properties, and Enzymatic Hydrolyzability. <i>Journal of the American Chemical Society</i> , 2018, 140, 963-973.	6.6	102
122	Mechanistic Study of Stress Relaxation in Urethane-Containing Polymer Networks. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1432-1441.	1.2	102
123	Introductory Lecture : Strategies for controlling intra- and intermicellar packing in block copolymer solutions: Illustrating the flexibility of the self-assembly toolbox. <i>Faraday Discussions</i> , 2005, 128, 1.	1.6	101
124	Consequences of Poly(lactide) Stereochemistry on the Properties of Poly(lactide-Polymethide-Poly(lactide) Thermoplastic Elastomers. <i>Biomacromolecules</i> , 2009, 10, 2904-2911.	2.6	101
125	Functional biorenewable polyesters from carvone-derived lactones. <i>Polymer Chemistry</i> , 2011, 2, 702-708.	1.9	100
126	Synthesis and Characterization of Model Polyisoprene- <i>b</i> -Poly(lactide) Diblock Copolymers. <i>Macromolecules</i> , 1999, 32, 4794-4801.	2.2	99

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127	Reactive Compatibilization of Polylactide/Polypropylene Blends. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6108-6114.	1.8	99
128	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. <i>Chemical Reviews</i> , 2022, 122, 6322-6373.	23.0	99
129	Tough Polylactide Graft Copolymers. <i>Macromolecules</i> , 2010, 43, 7394-7397.	2.2	98
130	Consequences of Grafting Density on the Linear Viscoelastic Behavior of Graft Polymers. <i>ACS Macro Letters</i> , 2018, 7, 525-530.	2.3	97
131	Access to the Superstrong Segregation Regime with Nonionic ABC Copolymers. <i>Macromolecules</i> , 2004, 37, 6680-6682.	2.2	96
132	Catalytic Polymerization of a Cyclic Ester Derived from a "Cool" Natural Precursor. <i>Biomacromolecules</i> , 2005, 6, 2091-2095.	2.6	96
133	Perfectly Alternating Copolymer of Lactic Acid and Ethylene Oxide as a Plasticizing Agent for Polylactide. <i>Macromolecules</i> , 2001, 34, 8641-8648.	2.2	94
134	Tough and Sustainable Graft Block Copolymer Thermoplastics. <i>ACS Macro Letters</i> , 2016, 5, 407-412.	2.3	94
135	Phase Behavior and Polymorphism of Organic Crystals Confined within Nanoscale Chambers. <i>Crystal Growth and Design</i> , 2009, 9, 4766-4777.	1.4	92
136	Degradable Cyclooctadiene/Acetal Copolymers: Versatile Precursors to 1,4-Hydroxytelechelic Polybutadiene and Hydroxytelechelic Polyethylene. <i>Macromolecules</i> , 1995, 28, 7256-7261.	2.2	90
137	Synthesis and self-assembly of fluorinated block copolymers. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1-8.	2.5	90
138	Aqueous Dispersions of Poly(ethylene oxide)-b-poly(ϵ -methyl- ϵ -caprolactone) Block Copolymers. <i>Macromolecules</i> , 2006, 39, 4286-4288.	2.2	90
139	Intramolecular Exciton Relaxation and Migration Dynamics in Poly(3-hexylthiophene). <i>Journal of Physical Chemistry C</i> , 2007, 111, 15404-15414.	1.5	89
140	Bulk Ring-Opening Transesterification Polymerization of the Renewable ϵ -Decalactone Using an Organocatalyst. <i>ACS Macro Letters</i> , 2012, 1, 131-135.	2.3	89
141	Isosorbide-based Polymethacrylates. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 662-667.	3.2	89
142	Robust Polymer Electrolyte Membranes with High Ambient-Temperature Lithium-Ion Conductivity via Polymerization-Induced Microphase Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14561-14565.	4.0	89
143	Macroscopic samples of polystyrene with ordered three-dimensional nanochannels. <i>Soft Matter</i> , 2006, 2, 57-59.	1.2	88
144	Synthesis and Melt Processing of Sustainable Poly(ϵ -decalactone)- <i>block</i> -Poly(lactide) Multiblock Thermoplastic Elastomers. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2519-2526.	3.2	88

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145	Multicompartment Micelles from pH-Responsive Miktoarm Star Block Terpolymers. <i>Langmuir</i> , 2009, 25, 13718-13725.	1.6	86
146	Multicompartment Micelle Morphology Evolution in Degradable Miktoarm Star Terpolymers. <i>ACS Nano</i> , 2010, 4, 1907-1912.	7.3	86
147	Regiospecific Side-Chain Functionalization of Linear Low-Density Polyethylene with Polar Groups. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6410-6413.	7.2	84
148	Nanoporous Polystyrene by Chemical Etching of Poly(ethylene oxide) from Ordered Block Copolymers. <i>Macromolecules</i> , 2005, 38, 4038-4039.	2.2	84
149	Freestanding nanowire arrays from soft-etch block copolymer templates. <i>Soft Matter</i> , 2007, 3, 94-98.	1.2	84
150	Controlled Polymerization of a Cyclic Diene Prepared from the Ring-Closing Metathesis of a Naturally Occurring Monoterpene. <i>Journal of the American Chemical Society</i> , 2009, 131, 7960-7961.	6.6	84
151	Manipulating Crystal Orientation in Nanoscale Cylindrical Pores by Stereochemical Inhibition. <i>Journal of the American Chemical Society</i> , 2009, 131, 2588-2596.	6.6	84
152	Synthesis and Characterization of Triptych $\frac{1}{4}$ -ABC Star Triblock Copolymers. <i>Macromolecules</i> , 2004, 37, 8933-8940.	2.2	83
153	Diffusion and Flow Across Nanoporous Polydicyclopentadiene-Based Membranes. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 472-480.	4.0	83
154	Photochemically Cross-Linked Perfluoropolyether-Based Elastomers: Synthesis, Physical Characterization, and Biofouling Evaluation. <i>Macromolecules</i> , 2009, 42, 6999-7007.	2.2	82
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525	Confronting Racism in Chemistry Journals. <i>Macromolecules</i> , 2020, 53, 5015-5017.	2.2	0
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548	Update to Our Reader, Reviewer, and Author Communitiesâ€™ April 2020. Chemical Reviews, 2020, 120, 3939-3940.	23.0	0
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