Marc A Hillmyer

List of Publications by Year
in descending order

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577 papers	42,011 citations	1463 107 h-index	3487 182 g-index
619 all docs	619 docs citations	619 times ranked	23020 citing authors

#	Article	IF	Citations
1	Multiblock Polymers: Panacea or Pandoraâ€™s Box?. Science, 2012, 336, 434-440.	12.6	930
2	Multicompartment Micelles from ABC Miktoarm Stars in Water. Science, 2004, 306, 98-101.	12.6	928
3	Polymers from Renewable Resources: A Perspective for a Special Issue of Polymer Reviews. Polymer Reviews, 2008, 48, 1-10.	10.9	808
4	Polymerization of lactide and related cyclic esters by discrete metal complexes. Dalton Transactions RSC, 2001, , 2215-2224.	2.3	787
5	50th Anniversary Perspective: There Is a Great Future in Sustainable Polymers. Macromolecules, 2017, 50, 3733-3749.	4.8	700
6	Mechanically Activated, Catalyst-Free Polyhydroxyurethane Vitrimers. Journal of the American Chemical Society, 2015, 137, 14019-14022.	13.7	593
7	A Highly Active Zinc Catalyst for the Controlled Polymerization of Lactide. Journal of the American Chemical Society, 2003, 125, 11350-11359.	13.7	579
8	Nanoporous Membranes Derived from Block Copolymers: From Drug Delivery to Water Filtration. ACS Nano, 2010, 4, 3548-3553.	14.6	565
9	Ordered Nanoporous Polymers from Polystyreneâ^'Polylactide Block Copolymers. Journal of the American Chemical Society, 2002, 124, 12761-12773.	13.7	530
10	Toughening Polylactide. Polymer Reviews, 2008, 48, 85-108.	10.9	513
11	Aliphatic Polyester Block Polymers: Renewable, Degradable, and Sustainable. Accounts of Chemical Research, 2014, 47, 2390-2396.	15.6	496
12	Solvent Vapor Annealing of Block Polymer Thin Films. Macromolecules, 2013, 46, 5399-5415.	4.8	470
13	A Bicontinuous Double Gyroid Hybrid Solar Cell. Nano Letters, 2009, 9, 2807-2812.	9.1	446
14	Multicompartment Block Polymer Micelles. Macromolecules, 2012, 45, 2-19.	4.8	436
15	Polydispersity and block copolymer self-assembly. Progress in Polymer Science, 2008, 33, 875-893.	24.7	419
16	Post-polymerization functionalization of polyolefins. Chemical Society Reviews, 2005, 34, 267.	38.1	418
17	Nanostructured Thermosets from Self-Assembled Amphiphilic Block Copolymer/Epoxy Resin Mixtures. Journal of the American Chemical Society, 1998, 120, 8963-8970.	13.7	408
18	Self-Assembly and Polymerization of Epoxy Resin-Amphiphilic Block Copolymer Nanocomposites. Journal of the American Chemical Society, 1997, 119, 2749-2750.	13.7	393

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19	Polylactide Vitrimers. ACS Macro Letters, 2014, 3, 607-610.	4.8	386
20	High Ï‡â€“Low N Block Polymers: How Far Can We Go?. ACS Macro Letters, 2015, 4, 1044-1050.	4.8	370
21	Self-Assembled Block Copolymer Thin Films as Water Filtration Membranes. ACS Applied Materials & Interfaces, 2010, 2, 847-853.	8.0	366
22	Graphene/polyethylene nanocomposites: Effect of polyethylene functionalization and blending methods. Polymer, 2011, 52, 1837-1846.	3.8	358
23	Approaches to Sustainable and Continually Recyclable Cross-Linked Polymers. ACS Sustainable Chemistry and Engineering, 2018, 6, 11145-11159.	6.7	348
24	Toughening of polylactide by melt blending with linear low-density polyethylene. Journal of Applied Polymer Science, 2003, 89, 3757-3768.	2.6	335
25	Templating Nanoporous Polymers with Ordered Block Copolymers. Chemistry of Materials, 2008, 20, 869-890.	6.7	333
26	Nanoporous Materials from Block Copolymer Precursors. , 0, , 137-181.		314
27	Synthesis and Characterization of Model Polyalkaneâ^'Poly(ethylene oxide) Block Copolymers. Macromolecules, 1996, 29, 6994-7002.	4.8	306
28	Polymeric Bicontinuous Microemulsions. Physical Review Letters, 1997, 79, 849-852.	7.8	300
29	Polylactide stereocomplex crystallites as nucleating agents for isotactic polylactide. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 300-313.	2.1	299
30	Mechanistic Comparison of Cyclic Ester Polymerizations by Novel Iron(III)â^'Alkoxide Complexes:Â Single vs Multiple Site Catalysis. Journal of the American Chemical Society, 2002, 124, 4384-4393.	13.7	280
31	Ordered Network Mesostructures in Block Polymer Materials. Macromolecules, 2009, 42, 7221-7250.	4.8	277
32	Influence of Polydispersity on the Self-Assembly of Diblock Copolymers. Macromolecules, 2005, 38, 8803-8810.	4.8	276
33	High-Modulus, High-Conductivity Nanostructured Polymer Electrolyte Membranes via Polymerization-Induced Phase Separation. Nano Letters, 2014, 14, 122-126.	9.1	274
34	Reprocessable Acid-Degradable Polycarbonate Vitrimers. Macromolecules, 2018, 51, 389-397.	4.8	273
35	The influence of block copolymer microstructure on the toughness of compatibilized polylactide/polyethylene blends. Polymer, 2004, 45, 8809-8823.	3.8	269
36	Morphologies of Multicompartment Micelles Formed by ABC Miktoarm Star Terpolymers. Langmuir, 2006, 22, 9409-9417.	3.5	266

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37	Stability of the Perforated Layer (PL) Phase in Diblock Copolymer Melts. Macromolecules, 1997, 30, 3788-3795.	4.8	259
38	Reticulated Nanoporous Polymers by Controlled Polymerization-Induced Microphase Separation. Science, 2012, 336, 1422-1425.	12.6	256
39	The promise of plastics from plants. Science, 2017, 358, 868-870.	12.6	253
40	Simultaneous, Segregated Storage of Two Agents in a Multicompartment Micelle. Journal of the American Chemical Society, 2005, 127, 17608-17609.	13.7	249
41	Melt preparation and nucleation efficiency of polylactide stereocomplex crystallites. Polymer, 2006, 47, 2030-2035.	3.8	243
42	Nanochannel Array Plastics with Tailored Surface Chemistry. Journal of the American Chemical Society, 2005, 127, 13373-13379.	13.7	232
43	Polymorph Selectivity under Nanoscopic Confinement. Journal of the American Chemical Society, 2004, 126, 3382-3383.	13.7	227
44	Thermal processing of diblock copolymer melts mimics metallurgy. Science, 2017, 356, 520-523.	12.6	227
45	Processing and properties of porous poly(l-lactide)/bioactive glass composites. Biomaterials, 2004, 25, 2489-2500.	11.4	211
46	Mesoporous Polystyrene Monoliths. Journal of the American Chemical Society, 2001, 123, 1519-1520.	13.7	206
47	Toughening of Epoxies with Block Copolymer Micelles of Wormlike Morphology. Macromolecules, 2010, 43, 7238-7243.	4.8	206
48	Unambiguous Determination of the 13C and 1H NMR Stereosequence Assignments of Polylactide Using High-Resolution Solution NMR Spectroscopy. Macromolecules, 2002, 35, 7700-7707.	4.8	201
49	Aliphatic Polyester Block Polymer Design. Macromolecules, 2016, 49, 2419-2428.	4.8	200
50	Rapid and Controlled Polymerization of Lactide by Structurally Characterized Ferric Alkoxides. Journal of the American Chemical Society, 2001, 123, 339-340.	13.7	198
51	Sub-5 nm Domains in Ordered Poly(cyclohexylethylene)-block-poly(methyl methacrylate) Block Polymers for Lithography. Macromolecules, 2014, 47, 1411-1418.	4.8	197
52	Laterally Nanostructured Vesicles, Polygonal Bilayer Sheets, and Segmented Wormlike Micelles. Nano Letters, 2006, 6, 1245-1249.	9.1	194
53	Polyethylene-poly(L-lactide) diblock copolymers: Synthesis and compatibilization of poly(L-lactide)/polyethylene blends. Journal of Polymer Science Part A, 2001, 39, 2755-2766.	2.3	193
54	Cylinder Orientation Mechanism in Block Copolymer Thin Films Upon Solvent Evaporation. Macromolecules, 2010, 43, 7763-7770.	4.8	193

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55	Ring-Opening Metathesis Polymerization of Functionalized Cyclooctenes by a Ruthenium-Based Metathesis Catalyst. Macromolecules, 1995, 28, 6311-6316.	4.8	189
56	Nanoporous Poly(3-alkylthiophene) Thin Films Generated from Block Copolymer Templates. Macromolecules, 2008, 41, 67-75.	4.8	182
57	A Virtual Issue ofMacromolecules: â€œPolymers from Renewable Resourcesâ€• Macromolecules, 2009, 42, 7987-7989.	4.8	180
58	Micellar Shape Change and Internal Segregation Induced by Chemical Modification of a Tryptych Block Copolymer Surfactant. Journal of the American Chemical Society, 2003, 125, 10182-10183.	13.7	179
59	Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene. Macromolecules, 1997, 30, 718-721.	4.8	175
60	Control of Structure in Multicompartment Micelles by Blending Î¼-ABC Star Terpolymers with AB Diblock Copolymers. Macromolecules, 2006, 39, 765-771.	4.8	174
61	Block Copolymer Morphologies in Dye-Sensitized Solar Cells: Probing the Photovoltaic Structureâ”Function Relation. Nano Letters, 2009, 9, 2813-2819.	9.1	163
62	Hierarchically Porous Polymers from Hyper-cross-linked Block Polymer Precursors. Journal of the American Chemical Society, 2015, 137, 600-603.	13.7	163
63	Renewable-Resource Thermoplastic Elastomers Based on Polylactide and Polymenthide. Biomacromolecules, 2007, 8, 3634-3640.	5.4	162
64	Manipulating Crystal Growth and Polymorphism by Confinement in Nanoscale Crystallization Chambers. Accounts of Chemical Research, 2012, 45, 414-423.	15.6	162
65	Model Bicontinuous Microemulsions in Ternary Homopolymer/Block Copolymer Blends. Journal of Physical Chemistry B, 1999, 103, 4814-4824.	2.6	159
66	Block Copolymer Toughened Epoxy: Role of Cross-Link Density. Macromolecules, 2009, 42, 2333-2335.	4.8	159
67	Scalable production of mechanically tunable block polymers from sugar. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8357-8362.	7.1	159
68	Synthesis of Sequence-Specific Vinyl Copolymers by Regioselective ROMP of Multiply Substituted Cyclooctenes. ACS Macro Letters, 2012, 1, 1383-1387.	4.8	156
69	Electronic influence of ligand substituents on the rate of polymerization of Îµ-caprolactone by single-site aluminium alkoxide catalysts. Dalton Transactions, 2003, , 3082-3087.	3.3	155
70	A Bifunctional Monomer Derived from Lactide for Toughening Polylactide. Journal of the American Chemical Society, 2008, 130, 13826-13827.	13.7	154
71	Stereoelective polymerization of d,l-lactide using N-heterocyclic carbene based compounds. Chemical Communications, 2004, , 2504.	4.1	153
72	Sustainable Thermoplastic Elastomers from Terpene-Derived Monomers. ACS Macro Letters, 2014, 3, 717-720.	4.8	152

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73	Synthesis of fluorinated polymers by chemical modification. Progress in Polymer Science, 2002, 27, 971-1005.	24.7	148
74	Nanoporous Polystyrene Containing Hydrophilic Pores from an ABC Triblock Copolymer Precursor. Macromolecules, 2005, 38, 3-5.	4.8	145
75	Toughening of Polylactide with Polymerized Soybean Oil. Macromolecules, 2010, 43, 1807-1814.	4.8	144
76	Chemically Recyclable Biobased Polyurethanes. ACS Macro Letters, 2016, 5, 515-518.	4.8	143
77	Disklike Micelles in Water from Polyethylene-Containing Diblock Copolymers. Macromolecules, 2011, 44, 3021-3028.	4.8	142
78	Bottlebrush Block Polymers: Quantitative Theory and Experiments. ACS Nano, 2015, 9, 12233-12245.	14.6	141
79	Mechanistic Study of the Stereoselective Polymerization ofd,l-Lactide Using Indium(III) Halides. Journal of the American Chemical Society, 2010, 132, 11649-11657.	13.7	140
80	Discrete Yttrium(III) Complexes as Lactide Polymerization Catalysts. Macromolecules, 1999, 32, 2400-2402.	4.8	137
81	Linear Rheology of Polyolefin-Based Bottlebrush Polymers. Macromolecules, 2015, 48, 4680-4691.	4.8	137
82	Metalloenzyme inspired dizinc catalyst for the polymerization of lactide. Chemical Communications, 2002, , 2132-2133.	4.1	136
83	Polymerization of Lactide by Monomeric Sn(II) Alkoxide Complexes. Macromolecules, 2002, 35, 644-650.	4.8	136
84	Rhodium-Catalyzed, Regiospecific Functionalization of Polyolefins in the Melt. Journal of the American Chemical Society, 2002, 124, 1164-1165.	13.7	135
85	Strong, Resilient, and Sustainable Aliphatic Polyester Thermoplastic Elastomers. Biomacromolecules, 2017, 18, 1845-1854.	5.4	134
86	Hierarchically Porous Polymer Monoliths by Combining Controlled Macro- and Microphase Separation. Journal of the American Chemical Society, 2015, 137, 8896-8899.	13.7	133
87	Effects of Polydispersity on the Orderâ^'Disorder Transition in Block Copolymer Melts. Macromolecules, 2007, 40, 8050-8055.	4.8	132
88	Synthesis of ABA Triblock Copolymers by a Tandem ROMPâ^'RAFT Strategy. Macromolecules, 2005, 38, 7890-7894.	4.8	130
89	Controlled Polymerization ofdl-Lactide and Îµ-Caprolactone by Structurally Well-Defined Alkoxo-Bridged Di- and Triyttrium(III) Complexes. Macromolecules, 2000, 33, 3970-3977.	4.8	129
90	Zinc N-heterocyclic carbene complexes and their polymerization of d,l-lactide. Journal of Organometallic Chemistry, 2005, 690, 5881-5891.	1.8	129

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91	Multicompartment Micelles from Polyester-Containing ABC Miktoarm Star Terpolymers. Macromolecules, 2008, 41, 8815-8822.	4.8	126
92	Pressure-Sensitive Adhesives from Renewable Triblock Copolymers. Macromolecules, 2011, 44, 87-94.	4.8	126
93	Catalytic Hydroxylation of Polypropylenes. Journal of the American Chemical Society, 2005, 127, 767-776.	13.7	124
94	Comparison of structurally analogous Zn2, Co2, and Mg2catalysts for the polymerization of cyclic esters. Dalton Transactions, 2006, , 928-936.	3.3	124
95	Regio- and Stereoselective Ring-Opening Metathesis Polymerization of 3-Substituted Cyclooctenes. Journal of the American Chemical Society, 2011, 133, 5794-5797.	13.7	124
96	Thermoplastic Elastomers Derived from Menthide and Tulipalin A. Biomacromolecules, 2012, 13, 3833-3840.	5.4	122
97	Polylactideâ^'Poly(dimethylsiloxane)â^'Polylactide Triblock Copolymers as Multifunctional Materials for Nanolithographic Applications. ACS Nano, 2010, 4, 725-732.	14.6	121
98	Ring-opening metathesis polymerization of 8-membered cyclic olefins. Polymer Chemistry, 2014, 5, 3507.	3.9	120
99	Gas and water liquid transport through nanoporous block copolymer membranes. Journal of Membrane Science, 2006, 286, 144-152.	8.2	119
100	Lactide polymerization activity of alkoxide, phenoxide, and amide derivatives of yttrium(III) arylamidinates. Journal of Polymer Science Part A, 2001, 39, 284-293.	2.3	116
101	Polylactideâ€"Poly(6-methyl-Îµ-caprolactone)â€"Polylactide Thermoplastic Elastomers. Macromolecules, 2011, 44, 8537-8545.	4.8	116
102	Molecular Weight Dependence of Zero-Shear Viscosity in Atactic Polypropylene Bottlebrush Polymers. ACS Macro Letters, 2014, 3, 423-427.	4.8	116
103	Transition Mechanisms for Complex Ordered Phases in Block Copolymer Melts. Journal of Physical Chemistry B, 1998, 102, 1356-1363.	2.6	115
104	Structural and Mechanistic Studies of Bis(phenolato)amine Zinc(II) Catalysts for the Polymerization of Îµ-Caprolactone. Inorganic Chemistry, 2007, 46, 6565-6574.	4.0	114
105	Controlled Chain Walking for the Synthesis of Thermoplastic Polyolefin Elastomers: Synthesis, Structure, and Properties. Macromolecules, 2016, 49, 6743-6751.	4.8	114
106	Robust Nanoporous Membranes Templated by a Doubly Reactive Block Copolymer. Journal of the American Chemical Society, 2007, 129, 13786-13787.	13.7	111
107	Glycine Polymorphism in Nanoscale Crystallization Chambers. Crystal Growth and Design, 2008, 8, 3368-3375.	3.0	111
108	Stereoselective and controlled polymerization of d,l-lactide using indium(iii) trichloride. Chemical Communications, 2009, , 2736.	4.1	111

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109	Characterization of Polylactide-b-polyisoprene-b-polylactide Thermoplastic Elastomers. Biomacromolecules, 2003, 4, 216-223.	5.4	108
110	Next-Generation Ultrafiltration Membranes Enabled by Block Polymers. ACS Nano, 2020, 14, 16446-16471.	14.6	108
111	Aqueous ring-opening metathesis polymerization of carboximide-functionalized 7-oxanorbornenes. Macromolecules, 1992, 25, 3345-3350.	4.8	107
112	Efficient Formation of Multicompartment Hydrogels by Stepwise Self-Assembly of Thermoresponsive ABC Triblock Terpolymers. Journal of the American Chemical Society, 2012, 134, 10365-10368.	13.7	107
113	Conformational Asymmetry and Quasicrystal Approximants in Linear Diblock Copolymers. Physical Review Letters, 2017, 118, 207801.	7.8	107
114	Confined Crystallization and Morphology of Melt Segregated PLLA-b-PE and PLDA-b-PE Diblock Copolymers. Macromolecules, 2008, 41, 6154-6164.	4.8	106
115	Nanoporous Linear Polyethylene from a Block Polymer Precursor. Journal of the American Chemical Society, 2010, 132, 8230-8231.	13.7	106
116	Preparation of hydroxytelechelic poly(butadiene) via ring-opening metathesis polymerization employing a well-defined metathesis catalyst. Macromolecules, 1993, 26, 872-874.	4.8	105
117	Reactive Compatibilization of Poly(l-lactide) and Conjugated Soybean Oil. Macromolecules, 2010, 43, 2313-2321.	4.8	105
118	Micellization and Micellar Aggregation of Poly(ethylene-alt-propylene)-b-poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2011, 44, 1635-1641.	4.8	103
119	Structural effects on the reprocessability and stress relaxation of crosslinked polyhydroxyurethanes. Journal of Applied Polymer Science, 2017, 134, 44984.	2.6	103
120	Acrylic Triblock Copolymers Incorporating Isosorbide for Pressure Sensitive Adhesives. ACS Sustainable Chemistry and Engineering, 2016, 4, 3379-3387.	6.7	102
121	Sustainable Polyester Elastomers from Lactones: Synthesis, Properties, and Enzymatic Hydrolyzability. Journal of the American Chemical Society, 2018, 140, 963-973.	13.7	102
122	Mechanistic Study of Stress Relaxation in Urethane-Containing Polymer Networks. Journal of Physical Chemistry B, 2019, 123, 1432-1441.	2.6	102
123	Introductory Lecture : Strategies for controlling intra- and intermicellar packing in block copolymer solutions: Illustrating the flexibility of the self-assembly toolbox. Faraday Discussions, 2005, 128, 1.	3.2	101
124	Consequences of Polylactide Stereochemistry on the Properties of Polylactide-Polymenthide-Polylactide Thermoplastic Elastomers. Biomacromolecules, 2009, 10, 2904-2911.	5.4	101
125	Functional biorenewable polyesters from carvone-derived lactones. Polymer Chemistry, 2011, 2, 702-708.	3.9	100
126	Synthesis and Characterization of Model Polyisopreneâ^'Polylactide Diblock Copolymers. Macromolecules, 1999, 32, 4794-4801.	4.8	99

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127	Reactive Compatibilization of Polylactide/Polypropylene Blends. Industrial & Engineering Chemistry Research, 2015, 54, 6108-6114.	3.7	99
128	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. Chemical Reviews, 2022, 122, 6322-6373.	47.7	99
129	Tough Polylactide Graft Copolymers. Macromolecules, 2010, 43, 7394-7397.	4.8	98
130	Consequences of Grafting Density on the Linear Viscoelastic Behavior of Graft Polymers. ACS Macro Letters, 2018, 7, 525-530.	4.8	97
131	Access to the Superstrong Segregation Regime with Nonionic ABC Copolymers. Macromolecules, 2004, 37, 6680-6682.	4.8	96
132	Catalytic Polymerization of a Cyclic Ester Derived from a â€œCoolâ€•Natural Precursor. Biomacromolecules, 2005, 6, 2091-2095.	5.4	96
133	Perfectly Alternating Copolymer of Lactic Acid and Ethylene Oxide as a Plasticizing Agent for Polylactide. Macromolecules, 2001, 34, 8641-8648.	4.8	94
134	Tough and Sustainable Graft Block Copolymer Thermoplastics. ACS Macro Letters, 2016, 5, 407-412.	4.8	94
135	Phase Behavior and Polymorphism of Organic Crystals Confined within Nanoscale Chambers. Crystal Growth and Design, 2009, 9, 4766-4777.	3.0	92
136	Degradable Cyclooctadiene/Acetal Copolymers: Versatile Precursors to 1,4-Hydroxytelechelic Polybutadiene and Hydroxytelechelic Polyethylene. Macromolecules, 1995, 28, 7256-7261.	4.8	90
137	Synthesis and self-assembly of fluorinated block copolymers. Journal of Polymer Science Part A, 2002, 40, 1-8.	2.3	90
138	Aqueous Dispersions of Poly(ethylene oxide)-b-poly(Î³-methyl-Îµ-caprolactone) Block Copolymers. Macromolecules, 2006, 39, 4286-4288.	4.8	90
139	Intramolecular Exciton Relaxation and Migration Dynamics in Poly(3-hexylthiophene). Journal of Physical Chemistry C, 2007, 111, 15404-15414.	3.1	89
140	Bulk Ring-Opening Transesterification Polymerization of the Renewable Î´-Decalactone Using an Organocatalyst. ACS Macro Letters, 2012, 1, 131-135.	4.8	89
141	Isosorbide-based Polymethacrylates. ACS Sustainable Chemistry and Engineering, 2015, 3, 662-667.	6.7	89
142	Robust Polymer Electrolyte Membranes with High Ambient-Temperature Lithium-Ion Conductivity via Polymerization-Induced Microphase Separation. ACS Applied Materials & Interfaces, 2017, 9, 14561-14565.	8.0	89
143	Macroscopic samples of polystyrene with ordered three-dimensional nanochannels. Soft Matter, 2006, 2, 57-59.	2.7	88
144	Synthesis and Melt Processing of Sustainable Poly(Îµ-decalactone)-block-Poly(lactide) Multiblock Thermoplastic Elastomers. ACS Sustainable Chemistry and Engineering, 2014, 2, 2519-2526.	6.7	88

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145	Multicompartment Micelles from pH-Responsive Miktoarm Star Block Terpolymers. Langmuir, 2009, 25, 13718-13725.	3.5	86
146	Multicompartment Micelle Morphology Evolution in Degradable Miktoarm Star Terpolymers. ACS Nano, 2010, 4, 1907-1912.	14.6	86
147	Regiospecific Side-Chain Functionalization of Linear Low-Density Polyethylene with Polar Groups. Angewandte Chemie - International Edition, 2005, 44, 6410-6413.	13.8	84
148	Nanoporous Polystyrene by Chemical Etching of Poly(ethylene oxide) from Ordered Block Copolymers. Macromolecules, 2005, 38, 4038-4039.	4.8	84
149	Freestanding nanowire arrays from soft-etch block copolymer templates. Soft Matter, 2007, 3, 94-98.	2.7	84
150	Controlled Polymerization of a Cyclic Diene Prepared from the Ring-Closing Metathesis of a Naturally Occurring Monoterpene. Journal of the American Chemical Society, 2009, 131, 7960-7961.	13.7	84
151	Manipulating Crystal Orientation in Nanoscale Cylindrical Pores by Stereochemical Inhibition. Journal of the American Chemical Society, 2009, 131, 2588-2596.	13.7	84
152	Synthesis and Characterization of Triptych Î¼-ABC Star Triblock Copolymers. Macromolecules, 2004, 37, 8933-8940.	4.8	83
153	Diffusion and Flow Across Nanoporous Polydicyclopentadiene-Based Membranes. ACS Applied Materials & Interfaces, 2009, 1, 472-480.	8.0	83
154	Photochemically Cross-Linked Perfluoropolyether-Based Elastomers: Synthesis, Physical Characterization, and Biofouling Evaluation. Macromolecules, 2009, 42, 6999-7007.	4.8	82
155	Evolution of Morphology, Modulus, and Conductivity in Polymer Electrolytes Prepared via Polymerization-Induced Phase Separation. Macromolecules, 2015, 48, 1418-1428.	4.8	82
156	Large area nanolithographic templates by selective etching of chemically stained block copolymer thin films. Journal of Materials Chemistry, 2004, 14, 2729.	6.7	81
157	Optically Transparent, Amphiphilic Networks Based on Blends of Perfluoropolyethers and Poly(ethylene glycol). Journal of the American Chemical Society, 2008, 130, 14244-14252.	13.7	81
158	Perpendicular Domain Orientation in Thin Films of Polystyreneâ^'Polylactide Diblock Copolymers. Macromolecules, 2005, 38, 10101-10108.	4.8	80
159	Block Copolymer Self-Diffusion in the Gyroid and Cylinder Morphologies. Macromolecules, 1998, 31, 5363-5370.	4.8	79
160	Highly Selective Polymer Electrolyte Membranes from Reactive Block Polymers. Macromolecules, 2009, 42, 6075-6085.	4.8	79
161	Poly(lactide)-block-poly(Îµ-caprolactone-co-Îµ-decalactone)-block-poly(lactide) copolymer elastomers. Polymer Chemistry, 2015, 6, 3641-3651.	3.9	78
162	Structure and Properties of Semicrystallineâ^'Rubbery Multiblock Copolymers. Macromolecules, 2006, 39, 667-677.	4.8	77

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163	Hydrogels from ABA and ABC Triblock Polymers. Macromolecules, 2010, 43, 5396-5404.	4.8	77
164	A Stepwise â€œMicellizationâ€“Crystallizationâ€•Route to Oblate Ellipsoidal, Cylindrical, and Bilayer Micelles with Polyethylene Cores in Water. Macromolecules, 2012, 45, 9460-9467.	4.8	77
165	Synthesis, Characterization, and Interaction Strengths of Difluorocarbene-Modified Polystyreneâ^'Polyisoprene Block Copolymers. Macromolecules, 2000, 33, 866-876.	4.8	76
166	Anhydrous Proton Conducting Polymer Electrolyte Membranes via Polymerization-Induced Microphase Separation. ACS Applied Materials & Interfaces, 2016, 8, 6200-6210.	8.0	76
167	Combining Ring-Opening Metathesis Polymerization and Cyclic Ester Ring-Opening Polymerization To Form ABA Triblock Copolymers from 1,5-Cyclooctadiene and<scp>d,l</scp>-Lactide. Macromolecules, 2009, 42, 3674-3680.	4.8	75
168	Perpendicular orientation of cylindrical domains upon solvent annealing thin films of polystyrene-b-polylactide. Thin Solid Films, 2010, 518, 3710-3715.	1.8	74
169	Roles of Monomer Binding and Alkoxide Nucleophilicity in Aluminum-Catalyzed Polymerization of Îµ-Caprolactone. Macromolecules, 2012, 45, 5387-5396.	4.8	73
170	Theory of Polydisperse Block Copolymer Melts: Beyond the Schulzâ^'Zimm Distribution. Macromolecules, 2008, 41, 4531-4533.	4.8	71
171	Precision Vinyl Acetate/Ethylene (VAE) Copolymers by ROMP of Acetoxy-Substituted Cyclic Alkenes. Macromolecules, 2013, 46, 2535-2543.	4.8	71
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