

Craig Hawker

List of Publications by Year in descending order

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76,036
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635
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	New Polymer Synthesis by Nitroxide Mediated Living Radical Polymerizations. <i>Chemical Reviews</i> , 2001, 101, 3661-3688.	23.0	3,724
2	Preparation of polymers with controlled molecular architecture. A new convergent approach to dendritic macromolecules. <i>Journal of the American Chemical Society</i> , 1990, 112, 7638-7647.	6.6	2,314
3	Applications of Orthogonal "Click" Chemistries in the Synthesis of Functional Soft Materials. <i>Chemical Reviews</i> , 2009, 109, 5620-5686.	23.0	1,366
4	The Convergence of Synthetic Organic and Polymer Chemistries. <i>Science</i> , 2005, 309, 1200-1205.	6.0	1,239
5	Controlling Polymer-Surface Interactions with Random Copolymer Brushes. <i>Science</i> , 1997, 275, 1458-1460.	6.0	1,237
6	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3928-3932.	7.2	1,089
7	One-step synthesis of hyperbranched dendritic polyesters. <i>Journal of the American Chemical Society</i> , 1991, 113, 4583-4588.	6.6	1,077
8	Development of a Universal Alkoxyamine for "Living" Free Radical Polymerizations. <i>Journal of the American Chemical Society</i> , 1999, 121, 3904-3920.	6.6	1,038
9	Controlled Synthesis of Polymer Brushes by "Living" Free Radical Polymerization Techniques. <i>Macromolecules</i> , 1999, 32, 1424-1431.	2.2	888
10	General Strategies for Nanoparticle Dispersion. <i>Science</i> , 2006, 311, 1740-1743.	6.0	875
11	Cross-linked block copolymer micelles: functional nanostructures of great potential and versatility. <i>Chemical Society Reviews</i> , 2006, 35, 1068.	18.7	868
12	Metal-Free Atom Transfer Radical Polymerization. <i>Journal of the American Chemical Society</i> , 2014, 136, 16096-16101.	6.6	787
13	The power of thiol-ene chemistry. <i>Journal of Polymer Science Part A</i> , 2010, 48, 743-750.	2.5	773
14	Robust, Efficient, and Orthogonal Synthesis of Dendrimers via Thiol-ene "Click" Chemistry. <i>Journal of the American Chemical Society</i> , 2008, 130, 5062-5064.	6.6	738
15	Control of a Living Radical Polymerization of Methacrylates by Light. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8850-8853.	7.2	724
16	Block Copolymer Nanolithography: Translation of Molecular Level Control to Nanoscale Patterns. <i>Advanced Materials</i> , 2009, 21, 4769-4792.	11.1	637
17	Nanosopic Templates from Oriented Block Copolymer Films. <i>Advanced Materials</i> , 2000, 12, 787-791.	11.1	616
18	Block Copolymer Lithography: Merging "Bottom-Up" with "Top-Down" Processes. <i>MRS Bulletin</i> , 2005, 30, 952-966.	1.7	600

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19	Evolution of Block Copolymer Lithography to Highly Ordered Square Arrays. <i>Science</i> , 2008, 322, 429-432.	6.0	584
20	“Clicking” Polymers or Just Efficient Linking: What Is the Difference?. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 60-62.	7.2	583
21	Molecular Weight Control by a "Living" Free-Radical Polymerization Process. <i>Journal of the American Chemical Society</i> , 1994, 116, 11185-11186.	6.6	582
22	Interdiffusion of PCBM and P3HT Reveals Miscibility in a Photovoltaically Active Blend. <i>Advanced Energy Materials</i> , 2011, 1, 82-89.	10.2	572
23	Dendronized Linear Polymers via “Click Chemistry”. <i>Journal of the American Chemical Society</i> , 2004, 126, 15020-15021.	6.6	565
24	Nanoscale effects leading to non-Einstein-like decrease in viscosity. <i>Nature Materials</i> , 2003, 2, 762-766.	13.3	562
25	Reversible-deactivation radical polymerization (Controlled/living radical polymerization): From discovery to materials design and applications. <i>Progress in Polymer Science</i> , 2020, 111, 101311.	11.8	555
26	Preparation of Hyperbranched and Star Polymers by a "Living", Self-Condensing Free Radical Polymerization. <i>Journal of the American Chemical Society</i> , 1995, 117, 10763-10764.	6.6	542
27	Unique behavior of dendritic macromolecules: intrinsic viscosity of polyether dendrimers. <i>Macromolecules</i> , 1992, 25, 2401-2406.	2.2	541
28	A Generalized Approach to the Modification of Solid Surfaces. <i>Science</i> , 2005, 308, 236-239.	6.0	500
29	Synthesis of well-defined hydrogel networks using Click chemistry. <i>Chemical Communications</i> , 2006, , 2774.	2.2	472
30	Unimolecular micelles and globular amphiphiles: dendritic macromolecules as novel recyclable solubilization agents. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1287-1297.	0.9	463
31	A new convergent approach to monodisperse dendritic macromolecules. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1010-1013.	2.0	452
32	Development of Thermal and Photochemical Strategies for Thiol-ene Click Polymer Functionalization. <i>Macromolecules</i> , 2008, 41, 7063-7070.	2.2	430
33	Multivalent, bifunctional dendrimers prepared by click chemistry. <i>Chemical Communications</i> , 2005, , 5775.	2.2	416
34	External Regulation of Controlled Polymerizations. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 199-210.	7.2	409
35	A Facile Approach to Architecturally Defined Nanoparticles via Intramolecular Chain Collapse. <i>Journal of the American Chemical Society</i> , 2002, 124, 8653-8660.	6.6	406
36	Photoswitching Using Visible Light: A New Class of Organic Photochromic Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 8169-8172.	6.6	401

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37	Using Atom Transfer Radical Polymerization To Amplify Monolayers of Initiators Patterned by Microcontact Printing into Polymer Brushes for Pattern Transfer. <i>Macromolecules</i> , 2000, 33, 597-605.	2.2	392
38	Hyperbranched macromolecules via a novel double-stage convergent growth approach. <i>Journal of the American Chemical Society</i> , 1991, 113, 4252-4261.	6.6	372
39	Structurally Diverse Dendritic Libraries: A Highly Efficient Functionalization Approach Using Click Chemistry. <i>Macromolecules</i> , 2005, 38, 3663-3678.	2.2	363
40	"Living" Free Radical Polymerization: A Unique Technique for the Preparation of Controlled Macromolecular Architectures. <i>Accounts of Chemical Research</i> , 1997, 30, 373-382.	7.6	360
41	New methodologies in the construction of dendritic materials. <i>Chemical Society Reviews</i> , 2009, 38, 352-362.	18.7	359
42	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. <i>Nature Chemistry</i> , 2017, 9, 537-545.	6.6	353
43	Initiating Systems for Nitroxide-Mediated "Living" Free Radical Polymerizations: Synthesis and Evaluation. <i>Macromolecules</i> , 1996, 29, 5245-5254.	2.2	346
44	Polymer Mobility in Thin Films. <i>Macromolecules</i> , 1996, 29, 6531-6534.	2.2	329
45	Solubility-Limited Extrinsic n-Type Doping of a High Electron Mobility Polymer for Thermoelectric Applications. <i>Advanced Materials</i> , 2014, 26, 2825-2830.	11.1	328
46	Orthogonal Approaches to the Simultaneous and Cascade Functionalization of Macromolecules Using Click Chemistry. <i>Journal of the American Chemical Society</i> , 2005, 127, 14942-14949.	6.6	322
47	Facile RAFT Precipitation Polymerization for the Microwave-Assisted Synthesis of Well-Defined, Double Hydrophilic Block Copolymers and Nanostructured Hydrogels. <i>Journal of the American Chemical Society</i> , 2007, 129, 14493-14499.	6.6	318
48	Tunable, High Modulus Hydrogels Driven by Ionic Coacervation. <i>Advanced Materials</i> , 2011, 23, 2327-2331.	11.1	315
49	Shell Click-Crosslinked (SCC) Nanoparticles: A New Methodology for Synthesis and Orthogonal Functionalization. <i>Journal of the American Chemical Society</i> , 2005, 127, 16892-16899.	6.6	314
50	A Modular Approach toward Functionalized Three-Dimensional Macromolecules: From Synthetic Concepts to Practical Applications. <i>Journal of the American Chemical Society</i> , 2003, 125, 715-728.	6.6	313
51	Templating Nanoporosity in Thin-Film Dielectric Insulators. <i>Advanced Materials</i> , 1998, 10, 1049-1053.	11.1	310
52	Using Surface Active Random Copolymers To Control the Domain Orientation in Diblock Copolymer Thin Films. <i>Macromolecules</i> , 1998, 31, 7641-7650.	2.2	300
53	Dendrimer-like Star Block and Amphiphilic Copolymers by Combination of Ring Opening and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998, 31, 8691-8705.	2.2	298
54	Nanodomain control in copolymer thin films. <i>Nature</i> , 1998, 395, 757-758.	13.7	296

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55	Physical properties of dendritic macromolecules: a study of glass transition temperature. <i>Macromolecules</i> , 1993, 26, 1514-1519.	2.2	295
56	Effect of Areal Chain Density on the Location of Polymer-Modified Gold Nanoparticles in a Block Copolymer Template. <i>Macromolecules</i> , 2006, 39, 4108-4114.	2.2	293
57	Defect-Free Nanoporous Thin Films from ABC Triblock Copolymers. <i>Journal of the American Chemical Society</i> , 2006, 128, 7622-7629.	6.6	292
58	Self-Encapsulation of Poly-2,7-fluorenes in a Dendrimer Matrix. <i>Journal of the American Chemical Society</i> , 2001, 123, 6965-6972.	6.6	284
59	One-Pot Reaction Cascades Using Star Polymers with Core-Confined Catalysts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6384-6387.	7.2	268
60	Effect of Interfacial Interactions on the Glass Transition of Polymer Thin Films. <i>Macromolecules</i> , 2001, 34, 5535-5539.	2.2	267
61	Model Transient Networks from Strongly Hydrogen-Bonded Polymers. <i>Macromolecules</i> , 2009, 42, 9072-9081.	2.2	263
62	Dendrimers and Hyperbranched Polymers: Two Families of Three-Dimensional Macromolecules with Similar but Clearly Distinct Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 1399-1425.	1.2	260
63	Ordered Diblock Copolymer Films on Random Copolymer Brushes. <i>Macromolecules</i> , 1997, 30, 6810-6813.	2.2	258
64	Precise Control over Molecular Dimensions of Block-Copolymer Domains Using the Interfacial Energy of Chemically Nanopatterned Substrates. <i>Advanced Materials</i> , 2004, 16, 1315-1319.	11.1	253
65	Architectural Control in ϵ -Living Free Radical Polymerizations: Preparation of Star and Graft Polymers. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1456-1459.	4.4	247
66	Functionalization of Micelles and Shell Cross-linked Nanoparticles Using Click Chemistry. <i>Chemistry of Materials</i> , 2005, 17, 5976-5988.	3.2	246
67	A highly reducing metal-free photoredox catalyst: design and application in radical dehalogenations. <i>Chemical Communications</i> , 2015, 51, 11705-11708.	2.2	243
68	Dendrimers Clicked Together Divergently. <i>Macromolecules</i> , 2005, 38, 5436-5443.	2.2	240
69	A Simple Route to Metal Nanodots and Nanoporous Metal Films. <i>Nano Letters</i> , 2002, 2, 933-936.	4.5	239
70	A General Approach to Sequence-Controlled Polymers Using Macrocyclic Ring Opening Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , 2015, 137, 8038-8041.	6.6	239
71	Facile syntheses of surface-functionalized micelles and shell cross-linked nanoparticles. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5203-5217.	2.5	238
72	Controlled Radical Polymerization of Acrylates Regulated by Visible Light. <i>ACS Macro Letters</i> , 2014, 3, 580-584.	2.3	236

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73	Interfacial Segregation in Disordered Block Copolymers: Effect of Tunable Surface Potentials. <i>Physical Review Letters</i> , 1997, 79, 237-240.	2.9	235
74	Surface-Initiated Polymerization for Amplification of Self-Assembled Monolayers Patterned by Microcontact Printing. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 647-649.	7.2	233
75	One-pot synthesis of hyperbranched polyethers. <i>Macromolecules</i> , 1992, 25, 4583-4587.	2.2	232
76	Solvatochromism as a probe of the microenvironment in dendritic polyethers: transition from an extended to a globular structure. <i>Journal of the American Chemical Society</i> , 1993, 115, 4375-4376.	6.6	232
77	Molecular Ball Bearings: The Unusual Melt Viscosity Behavior of Dendritic Macromolecules. <i>Journal of the American Chemical Society</i> , 1995, 117, 4409-4410.	6.6	226
78	Striped, Ellipsoidal Particles by Controlled Assembly of Diblock Copolymers. <i>Journal of the American Chemical Society</i> , 2013, 135, 6649-6657.	6.6	220
79	Fabrication of Complex Three-Dimensional Polymer Brush Nanostructures through Light-Mediated Living Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6844-6848.	7.2	218
80	Influence of shape on the reactivity and properties of dendritic, hyperbranched and linear aromatic polyesters. <i>Polymer</i> , 1994, 35, 4489-4495.	1.8	217
81	Manipulation of Surface Properties by Patterning of Covalently Bound Polymer Brushes. <i>Journal of the American Chemical Society</i> , 2000, 122, 1844-1845.	6.6	215
82	Low-Dielectric, Nanoporous Organosilicate Films Prepared via Inorganic/Organic Polymer Hybrid Templates. <i>Chemistry of Materials</i> , 1999, 11, 3080-3085.	3.2	214
83	Design and Synthesis of Donor-Acceptor Stenhouse Adducts: A Visible Light Photoswitch Derived from Furfural. <i>Journal of Organic Chemistry</i> , 2014, 79, 11316-11329.	1.7	214
84	Effect of Ideal, Organic Nanoparticles on the Flow Properties of Linear Polymers: A Non-Einstein-like Behavior. <i>Macromolecules</i> , 2005, 38, 8000-8011.	2.2	212
85	Microdomain Orientation of PS- <i>b</i> -PMMA by Controlled Interfacial Interactions. <i>Macromolecules</i> , 2008, 41, 6431-6437.	2.2	211
86	Tunable Visible and Near Infrared Photoswitches. <i>Journal of the American Chemical Society</i> , 2016, 138, 13960-13966.	6.6	210
87	Hyperbranched Poly(ether ketones): A Manipulation of Structure and Physical Properties. <i>Macromolecules</i> , 1996, 29, 4370-4380.	2.2	208
88	Synthesis and Catalytic Activity of Unimolecular Dendritic Reverse Micelles with Internal Functional Groups. <i>Journal of the American Chemical Society</i> , 1999, 121, 9471-9472.	6.6	206
89	Accurate Structural Control and Block Formation in the Living Polymerization of 1,3-Dienes by Nitroxide-Mediated Procedures. <i>Macromolecules</i> , 2000, 33, 363-370.	2.2	206
90	A versatile approach to high-throughput microarrays using thiol-ene chemistry. <i>Nature Chemistry</i> , 2010, 2, 138-145.	6.6	206

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91	Simultaneous Dual Living Polymerizations: A Novel One-Step Approach to Block and Graft Copolymers. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1274-1276.	7.2	205
92	Adhesion and Surface Interactions of a Self-Healing Polymer with Multiple Hydrogen-Bonding Groups. <i>Advanced Functional Materials</i> , 2014, 24, 2322-2333.	7.8	202
93	Exact Linear Analogs of Dendritic Polyether Macromolecules: A Design, Synthesis, and Unique Properties. <i>Journal of the American Chemical Society</i> , 1997, 119, 9903-9904.	6.6	200
94	A Facile Synthesis of Dynamic, Shape-Changing Polymer Particles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7018-7022.	7.2	200
95	Dual Living Free Radical and Ring Opening Polymerizations from a Double-Headed Initiator. <i>Macromolecules</i> , 1998, 31, 213-219.	2.2	197
96	Polymer-Fullerene Miscibility: A Metric for Screening New Materials for High-Performance Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 15869-15879.	6.6	196
97	Power Factor Enhancement in Solution-Processed Organic n-Type Thermoelectrics Through Molecular Design. <i>Advanced Materials</i> , 2014, 26, 3473-3477.	11.1	196
98	Highly Versatile and Robust Materials for Soft Imprint Lithography Based on Thiol-ene Click Chemistry. <i>Advanced Materials</i> , 2008, 20, 3728-3733.	11.1	193
99	Well-Defined Random Copolymers by a "Living" Free-Radical Polymerization Process. <i>Macromolecules</i> , 1996, 29, 2686-2688.	2.2	192
100	One-Step Formation of Functionalized Block Copolymers. <i>Macromolecules</i> , 2000, 33, 1505-1507.	2.2	192
101	Polymers with Multiple Hydrogen-Bonded End Groups and Their Blends. <i>Macromolecules</i> , 2008, 41, 4694-4700.	2.2	192
102	Production of crosslinked, hollow nanoparticles by surface-initiated living free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1309-1320.	2.5	191
103	Fullerene-bound dendrimers: soluble, isolated carbon clusters. <i>Journal of the American Chemical Society</i> , 1993, 115, 9836-9837.	6.6	189
104	Simple Benchtop Approach to Polymer Brush Nanostructures Using Visible-Light-Mediated Metal-Free Atom Transfer Radical Polymerization. <i>ACS Macro Letters</i> , 2016, 5, 258-262.	2.3	188
105	A Novel Approach to Functionalized Nanoparticles: Self-Crosslinking of Macromolecules in Ultradilute Solution. <i>Advanced Materials</i> , 2001, 13, 204-208.	11.1	186
106	Accurate Control of Chain Ends by a Novel "Living" Free-Radical Polymerization Process. <i>Macromolecules</i> , 1995, 28, 2993-2995.	2.2	184
107	A Tandem Approach to Graft and Dendritic Graft Copolymers Based on "Living" Free Radical Polymerizations. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 270-272.	4.4	184
108	Creating Surfactant Nanoparticles for Block Copolymer Composites through Surface Chemistry. <i>Langmuir</i> , 2007, 23, 12693-12703.	1.6	182

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109	Radical Crossover in Nitroxide Mediated "Living" Free Radical Polymerizations. Journal of the American Chemical Society, 1996, 118, 11467-11471.	6.6	179
110	High-Throughput Synthesis of Nanoscale Materials: A Structural Optimization of Functionalized One-Step Star Polymers. Journal of the American Chemical Society, 2001, 123, 6461-6462.	6.6	178
111	A Route to Nanoscopic SiO ₂ Posts via Block Copolymer Templates. Advanced Materials, 2001, 13, 795-797.	11.1	178
112	Unusual macromolecular architectures: the convergent growth approach to dendritic polyesters and novel block copolymers. Journal of the American Chemical Society, 1992, 114, 8405-8413.	6.6	177
113	A Versatile Method for Tuning the Chemistry and Size of Nanoscopic Features by Living Free Radical Polymerization. Journal of the American Chemical Society, 2003, 125, 3831-3838.	6.6	177
114	Control of surface functionality in the synthesis of dendritic macromolecules using the convergent-growth approach. Macromolecules, 1990, 23, 4726-4729.	2.2	176
115	Evolution and Future Directions of Metal-Free Atom Transfer Radical Polymerization. Macromolecules, 2018, 51, 7421-7434.	2.2	176
116	Hyperbranched Poly(ethylene glycol)s: A New Class of Ion-Conducting Materials. Macromolecules, 1996, 29, 3831-3838.	2.2	175
117	Biological Utility of Fluorinated Compounds: from Materials Design to Molecular Imaging, Therapeutics and Environmental Remediation. Chemical Reviews, 2022, 122, 167-208.	23.0	172
118	Synthesis and properties of novel linear-dendritic block copolymers. Reactivity of dendritic macromolecules toward linear polymers. Macromolecules, 1993, 26, 5621-5627.	2.2	171
119	Facile Preparation of Nanoparticles by Intramolecular Cross-Linking of Isocyanate Functionalized Copolymers. Macromolecules, 2009, 42, 5629-5635.	2.2	166
120	Synthesis of Discrete Oligomers by Sequential PET-CRAFT Single Unit Monomer Insertion. Angewandte Chemie - International Edition, 2017, 56, 8376-8383.	7.2	165
121	Molecular Interactions and Ordering in Electrically Doped Polymers: Blends of PBTTT and F ₄ TCNQ. Macromolecules, 2014, 47, 6836-6846.	2.2	164
122	Dendritic Initiators for "Living" Radical Polymerizations: A Versatile Approach to the Synthesis of Dendritic-Linear Block Copolymers. Journal of the American Chemical Society, 1996, 118, 11111-11118.	6.6	163
123	A Simple and Versatile Method for the Synthesis of C ₆₀ Copolymers. Macromolecules, 1994, 27, 4836-4837.	2.2	162
124	Stimuli-Responsive Azulene-Based Conjugated Oligomers with Polyaniline-like Properties. Journal of the American Chemical Society, 2011, 133, 10046-10049.	6.6	161
125	Bringing Efficiency to Materials Synthesis: The Philosophy of Click Chemistry. Australian Journal of Chemistry, 2007, 60, 381.	0.5	160
126	Nanoparticle Surfactants as a Route to Bicontinuous Block Copolymer Morphologies. Langmuir, 2007, 23, 7804-7809.	1.6	160

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127	A Versatile New Monomer Family: Functionalized 4-Vinyl-1,2,3-Triazoles via Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 12084-12085.	6.6	158
128	Pushing the Limits for Thiol-Ene and CuAAC Reactions: Synthesis of a 6th Generation Dendrimer in a Single Day. <i>Macromolecules</i> , 2010, 43, 6625-6631.	2.2	158
129	Cyclic Block Copolymers for Controlling Feature Sizes in Block Copolymer Lithography. <i>ACS Nano</i> , 2012, 6, 10845-10854.	7.3	158
130	Polymeric Nanoparticles via Noncovalent Cross-Linking of Linear Chains. <i>Macromolecules</i> , 2008, 41, 6413-6418.	2.2	155
131	Enzymatically Triggered Self-Assembly of Block Copolymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 13949-13951.	6.6	152
132	Macromolecules at surfaces: Research challenges and opportunities from tribology to biology. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2755-2793.	2.4	151
133	The Effect of Macromolecular Architecture in Nanomaterials: A Comparison of Site Isolation in Porphyrin Core Dendrimers and Their Isomeric Linear Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 3926-3938.	6.6	149
134	Facile Routes to Patterned Surface Neutralization Layers for Block Copolymer Lithography. <i>Advanced Materials</i> , 2007, 19, 4552-4557.	11.1	149
135	Linear versus Dendritic Molecular Binders for Hydrogel Network Formation with Clay Nanosheets: Studies with ABA Triblock Copolyethers Carrying Guanidinium Ion Pendants. <i>Journal of the American Chemical Society</i> , 2013, 135, 15650-15655.	6.6	149
136	Multi-responsive hydrogel structures from patterned droplet networks. <i>Nature Chemistry</i> , 2020, 12, 363-371.	6.6	148
137	Synthesis and Characterization of Core-Shell Star Copolymers for In Vivo PET Imaging Applications. <i>Biomacromolecules</i> , 2008, 9, 1329-1339.	2.6	147
138	Unsymmetrical three-dimensional macromolecules: preparation and characterization of strongly dipolar dendritic macromolecules. <i>Journal of the American Chemical Society</i> , 1993, 115, 11496-11505.	6.6	144
139	Application of Complex Macromolecular Architectures for Advanced Microelectronic Materials. <i>Chemistry - A European Journal</i> , 2002, 8, 3308.	1.7	143
140	Versatile tuning of supramolecular hydrogels through metal complexation of oxidation-resistant catechol-inspired ligands. <i>Soft Matter</i> , 2013, 9, 10314.	1.2	143
141	Solution Mask Liquid Lithography (SMaLL) for One-Step, Multimaterial 3D Printing. <i>Advanced Materials</i> , 2018, 30, e1800364.	11.1	143
142	Fluorogenic 1,3-Dipolar Cycloaddition within the Hydrophobic Core of a Shell Cross-Linked Nanoparticle. <i>Chemistry - A European Journal</i> , 2006, 12, 6776-6786.	1.7	142
143	Allyl Glycidyl Ether-Based Polymer Electrolytes for Room Temperature Lithium Batteries. <i>Macromolecules</i> , 2013, 46, 8988-8994.	2.2	142
144	One-Step Synthesis of Hyperbranched Polyesters. Molecular Weight Control and Chain End Functionalization. <i>Polymer Journal</i> , 1994, 26, 187-197.	1.3	138

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145	The Advantages of Nanoparticles for PET. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1743-1746.	2.8	138
146	Click Assisted One-Pot Multi-Step Reactions in Polymer Science: Accelerated Synthetic Protocols. <i>Macromolecular Rapid Communications</i> , 2008, 29, 998-1015.	2.0	135
147	Molecularly Defined Caprolactone Oligomers and Polymers: Synthesis and Characterization. <i>Journal of the American Chemical Society</i> , 2008, 130, 1718-1726.	6.6	134
148	Controlled Supramolecular Assembly of Micelle-Like Gold Nanoparticles in PS- <i>b</i> -P2VP Diblock Copolymers via Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2011, 133, 16986-16996.	6.6	132
149	Viscosimetric, Hydrodynamic, and Conformational Properties of Dendrimers and Dendrons. <i>Macromolecules</i> , 2001, 34, 8580-8585.	2.2	131
150	Microstructure formation in molecular and polymer semiconductors assisted by nucleation agents. <i>Nature Materials</i> , 2013, 12, 628-633.	13.3	131
151	Click chemistry strategies for the accelerated synthesis of functional macromolecules. <i>Journal of Polymer Science</i> , 2021, 59, 963-1042.	2.0	131
152	Stability of the A15 phase in diblock copolymer melts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13194-13199.	3.3	130
153	A "Branched-Monomer Approach" for the Rapid Synthesis of Dendrimers. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 82-85.	4.4	129
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155	Mussel-Inspired Anchoring of Polymer Loops That Provide Superior Surface Lubrication and Antifouling Properties. <i>ACS Nano</i> , 2016, 10, 930-937.	7.3	128
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