

# Thomas P Russell

## List of Publications by Year in descending order

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991  
papers

88,420  
citations

219

146  
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693

253  
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1013  
all docs

1013  
docs citations

1013  
times ranked

45449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle Polymer Composites: Where Two Small Worlds Meet. <i>Science</i> , 2006, 314, 1107-1110.	12.6	2,332
2	Ultrahigh-Density Nanowire Arrays Grown in Self-Assembled Diblock Copolymer Templates. <i>Science</i> , 2000, 290, 2126-2129.	12.6	2,027
3	Single-junction polymer solar cells with high efficiency and photovoltage. <i>Nature Photonics</i> , 2015, 9, 174-179.	31.4	1,595
4	Controlling Polymer-Surface Interactions with Random Copolymer Brushes. <i>Science</i> , 1997, 275, 1458-1460.	12.6	1,237
5	Self-assembly of nanoparticles into structured spherical and network aggregates. <i>Nature</i> , 2000, 404, 746-748.	27.8	1,100
6	Burnout and Career Satisfaction Among American Surgeons. <i>Annals of Surgery</i> , 2009, 250, 463-471.	4.2	958
7	Nanoparticle Assembly and Transport at Liquid-Liquid Interfaces. <i>Science</i> , 2003, 299, 226-229.	12.6	943
8	Self-directed self-assembly of nanoparticle/copolymer mixtures. <i>Nature</i> , 2005, 434, 55-59.	27.8	912
9	Controlled Synthesis of Polymer Brushes by "Living" Free Radical Polymerization Techniques. <i>Macromolecules</i> , 1999, 32, 1424-1431.	4.8	888
10	Highly Oriented and Ordered Arrays from Block Copolymers via Solvent Evaporation. <i>Advanced Materials</i> , 2004, 16, 226-231.	21.0	887
11	A Series of Simple Oligomer-like Small Molecules Based on Oligothiophenes for Solution-Processed Solar Cells with High Efficiency. <i>Journal of the American Chemical Society</i> , 2015, 137, 3886-3893.	13.7	788
12	Small-molecule solar cells with efficiency over 9%. <i>Nature Photonics</i> , 2015, 9, 35-41.	31.4	769
13	Electrically induced structure formation and pattern transfer. <i>Nature</i> , 2000, 403, 874-877.	27.8	738
14	Local Control of Microdomain Orientation in Diblock Copolymer Thin Films with Electric Fields. <i>Science</i> , 1996, 273, 931-933.	12.6	734
15	Macroscopic 10-Terabit-per-Square-Inch Arrays from Block Copolymers with Lateral Order. <i>Science</i> , 2009, 323, 1030-1033.	12.6	713
16	Holey Silicon as an Efficient Thermoelectric Material. <i>Nano Letters</i> , 2010, 10, 4279-4283.	9.1	674
17	Block Copolymer Nanolithography: Translation of Molecular Level Control to Nanoscale Patterns. <i>Advanced Materials</i> , 2009, 21, 4769-4792.	21.0	637
18	Nanoscope Templates from Oriented Block Copolymer Films. <i>Advanced Materials</i> , 2000, 12, 787-791.	21.0	616

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19	Block Copolymer Lithography: Merging "Bottom-Up" with "Top-Down" Processes. MRS Bulletin, 2005, 30, 952-966.	3.5	600
20	P3HT/PCBM Bulk Heterojunction Organic Photovoltaics: Correlating Efficiency and Morphology. Nano Letters, 2011, 11, 561-567.	9.1	559
21	Nanoporous Membranes with Ultrahigh Selectivity and Flux for the Filtration of Viruses. Advanced Materials, 2006, 18, 709-712.	21.0	542
22	Self-assembly of nanoparticles at interfaces. Soft Matter, 2007, 3, 1231.	2.7	512
23	Single-layered organic photovoltaics with double cascading charge transport pathways: 18% efficiencies. Nature Communications, 2021, 12, 309.	12.8	509
24	A Generalized Approach to the Modification of Solid Surfaces. Science, 2005, 308, 236-239.	12.6	500
25	Surface-Responsive Materials. Science, 2002, 297, 964-967.	12.6	485
26	Neutron reflectivity studies of the surface-induced ordering of diblock copolymer films. Physical Review Letters, 1989, 62, 1852-1855.	7.8	438
27	Deep Absorbing Porphyrin Small Molecule for High-Performance Organic Solar Cells with Very Low Energy Losses. Journal of the American Chemical Society, 2015, 137, 7282-7285.	13.7	436
28	Capillary Wrinkling of Floating Thin Polymer Films. Science, 2007, 317, 650-653.	12.6	434
29	Polymers on Nanoperiodic, Heterogeneous Surfaces. Physical Review Letters, 1999, 82, 2602-2605.	7.8	433
30	Fluoro-Substituted n-Type Conjugated Polymers for Additive-Free All-Polymer Bulk Heterojunction Solar Cells with High Power Conversion Efficiency of 6.71%. Advanced Materials, 2015, 27, 3310-3317.	21.0	421
31	Temperature dependence of the interaction parameter of polystyrene and poly(methyl methacrylate). Macromolecules, 1990, 23, 890-893.	4.8	409
32	Kinetics of Ion Transport in Perovskite Active Layers and Its Implications for Active Layer Stability. Journal of the American Chemical Society, 2015, 137, 13130-13137.	13.7	394
33	An Unfused "Core"-Based Nonfullerene Acceptor Enables High-Efficiency Organic Solar Cells with Excellent Morphological Stability at High Temperatures. Advanced Materials, 2018, 30, 1705208.	21.0	380
34	Near-surface alignment of polymers in rubbed films. Nature, 1995, 374, 709-711.	27.8	373
35	$26 \text{ m}^2 \text{ cm}^{-2}$ Jsc from organic solar cells with a low-bandgap nonfullerene acceptor. Science Bulletin, 2017, 62, 1494-1496.	9.0	368
36	Structurally Diverse Dendritic Libraries: A Highly Efficient Functionalization Approach Using Click Chemistry. Macromolecules, 2005, 38, 3663-3678.	4.8	363

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37	A Highly Efficient Non-Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fine-Tuned Hole-Transporting Layer. <i>Advanced Materials</i> , 2018, 30, e1801801.	21.0	360
38	Surface-induced orientation of symmetric, diblock copolymers: a secondary ion mass-spectrometry study. <i>Macromolecules</i> , 1989, 22, 2581-2589.	4.8	353
39	The morphology of symmetric diblock copolymers as revealed by neutron reflectivity. <i>Journal of Chemical Physics</i> , 1990, 92, 5677-5691.	3.0	346
40	Stabilizing Liquid Drops in Nonequilibrium Shapes by the Interfacial Jamming of Nanoparticles. <i>Science</i> , 2013, 342, 460-463.	12.6	344
41	Hierarchical nanoparticle assemblies formed by decorating breath figures. <i>Nature Materials</i> , 2004, 3, 302-306.	27.5	343
42	Synergistic effect of fluorination on both donor and acceptor materials for high performance non-fullerene polymer solar cells with 13.5% efficiency. <i>Science China Chemistry</i> , 2018, 61, 531-537.	8.2	342
43	Improved cathode materials for microbial electrosynthesis. <i>Energy and Environmental Science</i> , 2013, 6, 217-224.	30.8	339
44	Integration of self-assembled diblock copolymers for semiconductor capacitor fabrication. <i>Applied Physics Letters</i> , 2001, 79, 409-411.	3.3	335
45	Curving and Frustrating Flatland. <i>Science</i> , 2004, 306, 76-76.	12.6	335
46	Entropy-driven segregation of nanoparticles to cracks in multilayered composite polymer structures. <i>Nature Materials</i> , 2006, 5, 229-233.	27.5	331
47	Polymer Mobility in Thin Films. <i>Macromolecules</i> , 1996, 29, 6531-6534.	4.8	329
48	Simultaneous SAXS-DSC study of multiple endothermic behavior in polyether-based polyurethane block copolymers. <i>Macromolecules</i> , 1986, 19, 714-720.	4.8	326
49	On exfoliation of montmorillonite in epoxy. <i>Polymer</i> , 2001, 42, 5947-5952.	3.8	323
50	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.	13.7	322
51	Observed Surface Energy Effects in Confined Diblock Copolymers. <i>Physical Review Letters</i> , 1996, 76, 2503-2506.	7.8	317
52	Efficient Polymer Solar Cells Based on Benzothiadiazole and Alkylphenyl Substituted Benzodithiophene with a Power Conversion Efficiency over 8%. <i>Advanced Materials</i> , 2013, 25, 4944-4949.	21.0	306
53	Donor-Acceptor Poly(thiophene- <i>block</i> -perylene diimide) Copolymers: Synthesis and Solar Cell Fabrication. <i>Macromolecules</i> , 2009, 42, 1079-1082.	4.8	305
54	Characteristics of the surface-induced orientation for symmetric diblock PS/PMMA copolymers. <i>Macromolecules</i> , 1989, 22, 4600-4606.	4.8	304

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55	Using Surface Active Random Copolymers To Control the Domain Orientation in Diblock Copolymer Thin Films. <i>Macromolecules</i> , 1998, 31, 7641-7650.	4.8	300
56	Improving the Ordering and Photovoltaic Properties by Extending $\pi$ -Conjugated Area of Electron-Donating Units in Polymers with D $\pi$ A Structure. <i>Advanced Materials</i> , 2012, 24, 3383-3389.	21.0	298
57	On the morphology of polymer-based photovoltaics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1018-1044.	2.1	297
58	Nanodomain control in copolymer thin films. <i>Nature</i> , 1998, 395, 757-758.	27.8	296
59	Defect-Free Nanoporous Thin Films from ABC Triblock Copolymers. <i>Journal of the American Chemical Society</i> , 2006, 128, 7622-7629.	13.7	292
60	Enhanced mobility of confined polymers. <i>Nature Materials</i> , 2007, 6, 961-965.	27.5	289
61	A Free Energy Model for Confined Diblock Copolymers. <i>Macromolecules</i> , 1994, 27, 6225-6228.	4.8	285
62	Overcoming Interfacial Interactions with Electric Fields. <i>Macromolecules</i> , 2000, 33, 3250-3253.	4.8	282
63	Reconfigurable ferromagnetic liquid droplets. <i>Science</i> , 2019, 365, 264-267.	12.6	278
64	Electrohydrodynamic instabilities in polymer films. <i>Europhysics Letters</i> , 2001, 53, 518-524.	2.0	275
65	Bulk Heterojunction Photovoltaic Active Layers via Bilayer Interdiffusion. <i>Nano Letters</i> , 2011, 11, 2071-2078.	9.1	274
66	Block Copolymers under Cylindrical Confinement. <i>Macromolecules</i> , 2004, 37, 5660-5664.	4.8	268
67	Effect of Interfacial Interactions on the Glass Transition of Polymer Thin Films. <i>Macromolecules</i> , 2001, 34, 5535-5539.	4.8	267
68	Ultrathin Cross-Linked Nanoparticle Membranes. <i>Journal of the American Chemical Society</i> , 2003, 125, 12690-12691.	13.7	267
69	Fulleropyrrolidine interlayers: Tailoring electrodes to raise organic solar cell efficiency. <i>Science</i> , 2014, 346, 441-444.	12.6	266
70	The Crystallization of PEDOT:PSS Polymeric Electrodes Probed In Situ during Printing. <i>Advanced Materials</i> , 2015, 27, 3391-3397.	21.0	263
71	Chain conformation in ultrathin polymer films. <i>Nature</i> , 1999, 400, 146-149.	27.8	261
72	Ordered Diblock Copolymer Films on Random Copolymer Brushes. <i>Macromolecules</i> , 1997, 30, 6810-6813.	4.8	258

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73	Hierarchical structure formation and pattern replication induced by an electric field. <i>Nature Materials</i> , 2003, 2, 48-52.	27.5	258
74	Small-angle x-ray and light scattering studies of the morphology of blends of poly( $\mu$ -caprolactone) with poly(vinyl chloride). <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1976, 14, 1391-1424.	1.0	255
75	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10%. <i>Advanced Materials</i> , 2016, 28, 10008-10015.	21.0	254
76	Observed frustration in confined block copolymers. <i>Physical Review Letters</i> , 1994, 72, 2899-2902.	7.8	252
77	Characterization of the morphology of solution-processed bulk heterojunction organic photovoltaics. <i>Progress in Polymer Science</i> , 2013, 38, 1990-2052.	24.7	252
78	Efficient Semitransparent Solar Cells with High NIR Responsiveness Enabled by a Small Bandgap Electron Acceptor. <i>Advanced Materials</i> , 2017, 29, 1606574.	21.0	252
79	Multi-Scale Morphologies Driven by Mixed Additives in Porphyrin-Based Organic Photovoltaics. <i>Advanced Materials</i> , 2016, 28, 4727-4733.	21.0	251
80	High-Efficiency Nonfullerene Polymer Solar Cells with Medium Bandgap Polymer Donor and Narrow Bandgap Organic Semiconductor Acceptor. <i>Advanced Materials</i> , 2016, 28, 8288-8295.	21.0	247
81	11% Efficient Ternary Organic Solar Cells with High Composition Tolerance via Integrated Near-IR Sensitization and Interface Engineering. <i>Advanced Materials</i> , 2016, 28, 8184-8190.	21.0	246
82	Adsorption Energy of Nano- and Microparticles at Liquid-Liquid Interfaces. <i>Langmuir</i> , 2010, 26, 12518-12522.	3.5	244
83	Entanglements at Polymer Surfaces and Interfaces. <i>Macromolecules</i> , 1996, 29, 798-800.	4.8	241
84	Solvent-Induced Ordering in Thin Film Diblock Copolymer/Homopolymer Mixtures. <i>Advanced Materials</i> , 2004, 16, 2119-2123.	21.0	241
85	Nanoparticle Assembly at Fluid Interfaces: Structure and Dynamics. <i>Langmuir</i> , 2005, 21, 191-194.	3.5	241
86	A Simple Route to Metal Nanodots and Nanoporous Metal Films. <i>Nano Letters</i> , 2002, 2, 933-936.	9.1	239
87	Self-Assembly and Cross-Linking of Bionanoparticles at Liquid-Liquid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2420-2426.	13.8	238
88	Interfacial Segregation in Disordered Block Copolymers: Effect of Tunable Surface Potentials. <i>Physical Review Letters</i> , 1997, 79, 237-240.	7.8	235
89	High-Performance As-Cast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area Exceeding 11% Power Conversion Efficiency. <i>Advanced Materials</i> , 2018, 30, 1704546.	21.0	233
90	Kinetics of crystallization in semicrystalline/amorphous polymer mixtures. <i>Macromolecules</i> , 1986, 19, 1143-1152.	4.8	232

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91	A Rapid Route to Arrays of Nanostructures in Thin Films. <i>Advanced Materials</i> , 2002, 14, 1373-1376.	21.0	232
92	Structural studies of semifluorinated n-alkanes. 1. Synthesis and characterization of F(CF <sub>2</sub> ) <sub>n</sub> (CH <sub>2</sub> ) <sub>m</sub> H in the solid state. <i>Macromolecules</i> , 1984, 17, 2786-2794.	4.8	229
93	Highly Aligned Ultrahigh Density Arrays of Conducting Polymer Nanorods using Block Copolymer Templates. <i>Nano Letters</i> , 2008, 8, 2315-2320.	9.1	223
94	Wetting Transition in Cylindrical Alumina Nanopores with Polymer Melts. <i>Nano Letters</i> , 2006, 6, 1075-1079.	9.1	216
95	Charge-Carrier Balance for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , 2016, 28, 10718-10724.	21.0	214
96	Buried Interfaces in Halide Perovskite Photovoltaics. <i>Advanced Materials</i> , 2021, 33, e2006435.	21.0	214
97	Self-Corralling Nanorods under an Applied Electric Field. <i>Nano Letters</i> , 2006, 6, 2066-2069.	9.1	213
98	Nanoparticle Assembly at Liquid-Liquid Interfaces: From the Nanoscale to Mesoscale. <i>Advanced Materials</i> , 2018, 30, e1800714.	21.0	213
99	Microdomain Orientation of PS- <i>b</i> -PMMA by Controlled Interfacial Interactions. <i>Macromolecules</i> , 2008, 41, 6431-6437.	4.8	211
100	Efficient Polymer Solar Cells Based on a Low Bandgap Semi-crystalline DPP Polymer-PCBM Blends. <i>Advanced Materials</i> , 2012, 24, 3947-3951.	21.0	209
101	Series of Multifluorine Substituted Oligomers for Organic Solar Cells with Efficiency over 9% and Fill Factor of 0.77 by Combination Thermal and Solvent Vapor Annealing. <i>Journal of the American Chemical Society</i> , 2016, 138, 7687-7697.	13.7	209
102	Understanding the Morphology of PTB7:PCBM Blends in Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2014, 4, 1301377.	19.5	203
103	A Simple Route to Highly Oriented and Ordered Nanoporous Block Copolymer Templates. <i>ACS Nano</i> , 2008, 2, 766-772.	14.6	200
104	Surface-Functionalized CdSe Nanorods for Assembly in Diblock Copolymer Templates. <i>Journal of the American Chemical Society</i> , 2006, 128, 3898-3899.	13.7	198
105	Morphological changes in polyesters and polyamides induced by blending with small concentrations of polymer diluents. <i>Macromolecules</i> , 1989, 22, 666-675.	4.8	196
106	Surface Modification of Tobacco Mosaic Virus with Click-Chemistry. <i>ChemBioChem</i> , 2008, 9, 519-523.	2.6	193
107	Well-Defined Random Copolymers by a Living-Free-Radical Polymerization Process. <i>Macromolecules</i> , 1996, 29, 2686-2688.	4.8	192
108	One-Step Formation of Functionalized Block Copolymers. <i>Macromolecules</i> , 2000, 33, 1505-1507.	4.8	192

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109	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI <sub>6</sub> ] <sup>4-</sup> cage nanoparticles. <i>Nature Communications</i> , 2017, 8, 15688.	12.8	191
110	From Cylinders to Helices upon Confinement. <i>Macromolecules</i> , 2005, 38, 1055-1056.	4.8	189
111	Synthesis of Nano/Microstructures at Fluid Interfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10052-10066.	13.8	188
112	Phase-Separation-Induced Surface Patterns in Thin Polymer Blend Films. <i>Macromolecules</i> , 1998, 31, 857-862.	4.8	187
113	In-plane orientation of polyimide. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1983, 21, 1745-1756.	1.0	185
114	Electric field induced instabilities at liquid/liquid interfaces. <i>Journal of Chemical Physics</i> , 2001, 114, 2377-2381.	3.0	184
115	Neutron and x-ray scattering studies on semicrystalline polymer blends. <i>Macromolecules</i> , 1988, 21, 1703-1709.	4.8	183
116	Block Copolymer Surface Reconstruction: A Reversible Route to Nanoporous Films. <i>Advanced Functional Materials</i> , 2003, 13, 698-702.	14.9	183
117	Understanding Interface Engineering for High-Performance Fullerene/Perovskite Planar Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501606.	19.5	180
118	A Route to Nanoscopic SiO <sub>2</sub> Posts via Block Copolymer Templates. <i>Advanced Materials</i> , 2001, 13, 795-797.	21.0	178
119	High-Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18%. <i>Advanced Functional Materials</i> , 2016, 26, 3508-3514.	14.9	176
120	Ordering of thin diblock copolymer films. <i>Physical Review Letters</i> , 1992, 68, 67-70.	7.8	174
121	Cylindrically Confined Diblock Copolymers. <i>Macromolecules</i> , 2009, 42, 9082-9088.	4.8	173
122	A high mobility conjugated polymer based on dithienothiophene and diketopyrrolopyrrole for organic photovoltaics. <i>Energy and Environmental Science</i> , 2012, 5, 6857.	30.8	171
123	Multi-Length-Scale Morphologies in PCPDTBT/PCBM Bulk-Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 683-690.	19.5	171
124	Long-Range Ordering of Diblock Copolymers Induced by Droplet Pinning. <i>Langmuir</i> , 2003, 19, 9910-9913.	3.5	167
125	Intercalibration of small-angle X-ray and neutron scattering data. <i>Journal of Applied Crystallography</i> , 1988, 21, 629-638.	4.5	166
126	A lower critical ordering transition in a diblock copolymer melt. <i>Nature</i> , 1994, 368, 729-731.	27.8	166



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127	Self-Assembly of MXene-Surfactants at Liquid-Liquid Interfaces: From Structured Liquids to 3D Aerogels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18171-18176.	13.8	166
128	Semi-crystalline random conjugated copolymers with panchromatic absorption for highly efficient polymer solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 3301.	30.8	165
129	Interactions in mixtures of poly(ethylene oxide) and poly(methyl methacrylate). <i>Macromolecules</i> , 1987, 20, 2213-2220.	4.8	164
130	The influence of molecular weight on nanoporous polymer films. <i>Polymer</i> , 2001, 42, 9091-9095.	3.8	163
131	Structural characterization of semifluorinated n-alkanes. 2. Solid-solid transition behavior. <i>Macromolecules</i> , 1986, 19, 1135-1143.	4.8	161
132	Cellular Responses to Substrate Topography: Role of Myosin II and Focal Adhesion Kinase. <i>Biophysical Journal</i> , 2006, 90, 3774-3782.	0.5	161
133	Subtle Balance Between Length Scale of Phase Separation and Domain Purification in Small-Molecule Bulk-Heterojunction Blends under Solvent Vapor Treatment. <i>Advanced Materials</i> , 2015, 27, 6296-6302.	21.0	159
134	Directed self-assembly of block copolymers in the extreme: guiding microdomains from the small to the large. <i>Soft Matter</i> , 2013, 9, 9059.	2.7	158
135	Surface Relaxations in Polymers. <i>Macromolecules</i> , 1997, 30, 7768-7771.	4.8	156
136	Large-Area Domain Alignment in Block Copolymer Thin Films Using Electric Fields. <i>Macromolecules</i> , 1998, 31, 4399-4401.	4.8	156
137	On the kinetics of nanoparticle self-assembly at liquid/liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 6351.	2.8	153
138	Highly Efficient Parallel-Like Ternary Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 2914-2920.	6.7	152
139	Structure Formation at the Interface of Liquid/Liquid Bilayer in Electric Field. <i>Macromolecules</i> , 2002, 35, 3971-3976.	4.8	151
140	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.	2.1	151
141	Electric Field Alignment of Asymmetric Diblock Copolymer Thin Films. <i>Macromolecules</i> , 2005, 38, 10788-10798.	4.8	151
142	Controlled Placement of CdSe Nanoparticles in Diblock Copolymer Templates by Electrophoretic Deposition. <i>Nano Letters</i> , 2005, 5, 357-361.	9.1	151
143	Segment distributions in lamellar diblock copolymers. <i>Macromolecules</i> , 1993, 26, 3929-3936.	4.8	150
144	Improved cathode for high efficient microbial-catalyzed reduction in microbial electrosynthesis cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14290.	2.8	150

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145	Bistetracene: An Air-Stable, High-Mobility Organic Semiconductor with Extended Conjugation. <i>Journal of the American Chemical Society</i> , 2014, 136, 9248-9251.	13.7	150
146	Pathways toward Electric Field Induced Alignment of Block Copolymers. <i>Macromolecules</i> , 2002, 35, 8106-8110.	4.8	149
147	Facile Routes to Patterned Surface Neutralization Layers for Block Copolymer Lithography. <i>Advanced Materials</i> , 2007, 19, 4552-4557.	21.0	149
148	Poly(oxime-ester) Vitrimers with Catalyst-Free Bond Exchange. <i>Journal of the American Chemical Society</i> , 2019, 141, 13753-13757.	13.7	149
149	Confinement Effects on Crystallization and Curie Transitions of Poly(vinylidene fluoride) Thin Films. <i>Macromolecules</i> , 2007, 40, 582-587.	4.8	147
150	Solvent-Induced Transition from Micelles in Solution to Cylindrical Microdomains in Diblock Copolymer Thin Films. <i>Macromolecules</i> , 2007, 40, 9059-9063.	4.8	145
151	Expansion of Polystyrene Using Supercritical Carbon Dioxide: Effects of Molecular Weight, Polydispersity, and Low Molecular Weight Components. <i>Macromolecules</i> , 1999, 32, 7610-7616.	4.8	144
152	Ternary non-fullerene polymer solar cells with 13.51% efficiency and a record-high fill factor of 78.13%. <i>Energy and Environmental Science</i> , 2018, 11, 3392-3399.	30.8	143
153	Low-Bandgap Porphyrins for Highly Efficient Organic Solar Cells: Materials, Morphology, and Applications. <i>Advanced Materials</i> , 2020, 32, e1906129.	21.0	143
154	Directed Deposition of Nanoparticles Using Diblock Copolymer Templates. <i>Advanced Materials</i> , 2003, 15, 221-224.	21.0	142
155	Fluorination of Polythiophene Derivatives for High Performance Organic Photovoltaics. <i>Chemistry of Materials</i> , 2014, 26, 4214-4220.	6.7	142
156	An In Situ Grazing Incidence X-Ray Scattering Study of Block Copolymer Thin Films During Solvent Vapor Annealing. <i>Advanced Materials</i> , 2014, 26, 273-281.	21.0	141
157	Spiro Linkage as an Alternative Strategy for Promising Nonfullerene Acceptors in Organic Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5954-5966.	14.9	140
158	11.2% Efficiency all-polymer solar cells with high open-circuit voltage. <i>Science China Chemistry</i> , 2019, 62, 845-850.	8.2	140
159	Graft Copolymers from Poly(vinylidene fluoride-co-chlorotrifluoroethylene) via Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2006, 39, 3531-3539.	4.8	139
160	Defining the Nanostructured Morphology of Triblock Copolymers Using Resonant Soft X-ray Scattering. <i>Nano Letters</i> , 2011, 11, 3906-3911.	9.1	139
161	Spontaneous Vertical Ordering and Pyrolytic Formation of Nanoscopic Ceramic Patterns from Poly(styrene- <i>b</i> -ferrocenylsilane). <i>Advanced Materials</i> , 2003, 15, 297-300.	21.0	137
162	Bicontinuous structured liquids with sub-micrometre domains using nanoparticle surfactants. <i>Nature Nanotechnology</i> , 2017, 12, 1060-1063.	31.5	137

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