Thomas P Russell

List of Publications by Year
in descending order

1,004 papers	88,634 citations	179 147 h-index	591 254 g-index
1055 all docs	1055 docs citations	1055 times ranked	44270 citing authors

#	Article	IF	Citations
1	Ultrahigh-Density Nanowire Arrays Grown in Self-Assembled Diblock Copolymer Templates. Science, 2000, 290, 2126-2129.	19.6	2,032
2	Single-junction polymer solar cells with high efficiency and photovoltage. Nature Photonics, 2015, 9, 174-179.	22.6	1,607
3	Controlling Polymer-Surface Interactions with Random Copolymer Brushes. Science, 1997, 275, 1458-1460.	19.6	1,255
4	Self-assembly of nanoparticles into structured spherical and network aggregates. Nature, 2000, 404, 746-748.	35.3	1,105
5	Burnout and Career Satisfaction Among American Surgeons. Annals of Surgery, 2009, 250, 463-471.	4.4	993
6	Nanoparticle Assembly and Transport at Liquid-Liquid Interfaces. Science, 2003, 299, 226-229.	19.6	958
7	Self-directed self-assembly of nanoparticle/copolymer mixtures. Nature, 2005, 434, 55-59.	35.3	924
8	Controlled Synthesis of Polymer Brushes by â€œLivingâ€•Free Radical Polymerization Techniques. Macromolecules, 1999, 32, 1424-1431.	4.9	896
9	A Series of Simple Oligomer-like Small Molecules Based on Oligothiophenes for Solution-Processed Solar Cells with High Efficiency. Journal of the American Chemical Society, 2015, 137, 3886-3893.	14.1	798
10	Tuning Oxygen Vacancies in Ultrathin TiO₂ Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. Advanced Materials, 2019, 31, e1806482.	23.6	784
11	Small-molecule solar cells with efficiency over 9%. Nature Photonics, 2015, 9, 35-41.	22.6	780
12	Electrically induced structure formation and pattern transfer. Nature, 2000, 403, 874-877.	35.3	743
13	Macroscopic 10-Terabitâ€“perâ€“Square-Inch Arrays from Block Copolymers with Lateral Order. Science, 2009, 323, 1030-1033.	19.6	716
14	Holey Silicon as an Efficient Thermoelectric Material. Nano Letters, 2010, 10, 4279-4283.	9.2	691
15	Block Copolymer Nanolithography: Translation of Molecular Level Control to Nanoscale Patterns. Advanced Materials, 2009, 21, 4769-4792.	23.6	639
16	Nanoscopic Templates from Oriented Block Copolymer Films. Advanced Materials, 2000, 12, 787-791.	23.6	622
17	Block Copolymer Lithography: Merging â€œBottom-Upâ€•with â€œTop-Downâ€•Processes. MRS Bulletin, 2005, 30, 952-966.	4.1	605
18	P3HT/PCBM Bulk Heterojunction Organic Photovoltaics: Correlating Efficiency and Morphology. Nano Letters, 2011, 11, 561-567.	9.2	564

#	Article	IF	Citations
19	Single-layered organic photovoltaics with double cascading charge transport pathways: 18% efficiencies. Nature Communications, 2021, 12, 309.	12.8	534
20	Self-assembly of nanoparticles at interfaces. Soft Matter, 2007, 3, 1231.	2.8	523
21	A Generalized Approach to the Modification of Solid Surfaces. Science, 2005, 308, 236-239.	19.6	502
22	A New Copper Acetate-Bis(oxazoline)-Catalyzed, Enantioselective Henry Reaction. Journal of the American Chemical Society, 2003, 125, 12692-12693.	14.1	481
23	Neutron reflectivity studies of the surface-induced ordering of diblock copolymer films. Physical Review Letters, 1989, 62, 1852-1855.	7.8	447
24	Capillary Wrinkling of Floating Thin Polymer Films. Science, 2007, 317, 650-653.	19.6	442
25	Polymers on Nanoperiodic, Heterogeneous Surfaces. Physical Review Letters, 1999, 82, 2602-2605.	7.8	438
26	A Waterâ€Based Silverâ€Nanowire Screenâ€Print Ink for the Fabrication of Stretchable Conductors and Wearable Thinâ€Film Transistors. Advanced Materials, 2016, 28, 5986-5996.	23.6	431
27	Fluoroâ€Substituted nâ€Type Conjugated Polymers for Additiveâ€Free Allâ€Polymer Bulk Heterojunction Solar Cells with High Power Conversion Efficiency of 6.71%. Advanced Materials, 2015, 27, 3310-3317.	23.6	424
28	Temperature dependence of the interaction parameter of polystyrene and poly(methyl methacrylate). Macromolecules, 1990, 23, 890-893.	4.9	413
29	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.	14.1	409
30	An Unfusedâ€Coreâ€Based Nonfullerene Acceptor Enables Highâ€Efficiency Organic Solar Cells with Excellent Morphological Stability at High Temperatures. Advanced Materials, 2018, 30, 1705208.	23.6	404
31	26â€¯mAâ€¯cmâ^'2 Jsc from organic solar cells with a low-bandgap nonfullerene acceptor. Science Bulletin, 2017, 62, 1494-1496.	10.8	378
32	Near-surface alignment of polymers in rubbed films. Nature, 1995, 374, 709-711.	35.3	375
33	A Highly Efficient Nonâ€Fullerene Organic Solar Cell with a Fill Factor over 0.80 Enabled by a Fineâ€Tuned Holeâ€Transporting Layer. Advanced Materials, 2018, 30, e1801801.	23.6	374
34	Structurally Diverse Dendritic Libraries:Â A Highly Efficient Functionalization Approach Using Click Chemistry. Macromolecules, 2005, 38, 3663-3678.	4.9	365
35	Surface-induced orientation of symmetric, diblock copolymers: a secondary ion mass-spectrometry study. Macromolecules, 1989, 22, 2581-2589.	4.9	358
36	The morphology of symmetric diblock copolymers as revealed by neutron reflectivity. Journal of Chemical Physics, 1990, 92, 5677-5691.	2.9	347

#	Article	IF	Citations
37	Improved cathode materials for microbial electrosynthesis. Energy and Environmental Science, 2013, 6, 217-224.	31.3	347
38	Synergistic effect of fluorination on both donor and acceptor materials for high performance non-fullerene polymer solar cells with 13.5% efficiency. Science China Chemistry, 2018, 61, 531-537.	8.5	347
39	Hierarchical nanoparticle assemblies formed by decorating breath figures. Nature Materials, 2004, 3, 302-306.	25.8	344
40	Integration of self-assembled diblock copolymers for semiconductor capacitor fabrication. Applied Physics Letters, 2001, 79, 409-411.	3.2	338
41	Polymer Mobility in Thin Films. Macromolecules, 1996, 29, 6531-6534.	4.9	335
42	Entropy-driven segregation of nanoparticles to cracks in multilayered composite polymer structures. Nature Materials, 2006, 5, 229-233.	25.8	334
43	Organic Semiconductor Single Crystals for Electronics and Photonics. Advanced Materials, 2018, 30, e1801048.	23.6	331
44	Simultaneous SAXS-DSC study of multiple endothermic behavior in polyether-based polyurethane block copolymers. Macromolecules, 1986, 19, 714-720.	4.9	327
45	On exfoliation of montmorillonite in epoxy. Polymer, 2001, 42, 5947-5952.	3.8	325
46	Orthogonal Approaches to the Simultaneous and Cascade Functionalization of Macromolecules Using Click Chemistry. Journal of the American Chemical Society, 2005, 127, 14942-14949.	14.1	324
47	Observed Surface Energy Effects in Confined Diblock Copolymers. Physical Review Letters, 1996, 76, 2503-2506.	7.8	320
48	Efficient Polymer Solar Cells Based on Benzothiadiazole and Alkylphenyl Substituted Benzodithiophene with a Power Conversion Efficiency over 8%. Advanced Materials, 2013, 25, 4944-4949.	23.6	309
49	Characteristics of the surface-induced orientation for symmetric diblock PS/PMMA copolymers. Macromolecules, 1989, 22, 4600-4606.	4.9	307
50	Donorâ^'Acceptor Poly(thiophene-block-perylene diimide) Copolymers: Synthesis and Solar Cell Fabrication. Macromolecules, 2009, 42, 1079-1082.	4.9	305
51	Using Surface Active Random Copolymers To Control the Domain Orientation in Diblock Copolymer Thin Films. Macromolecules, 1998, 31, 7641-7650.	4.9	303
52	Nanodomain control in copolymer thin films. Nature, 1998, 395, 757-758.	35.3	302
53	Improving the Ordering and Photovoltaic Properties by Extending Ï€â€“Conjugated Area of Electronâ€Donating Units in Polymers with Dâ€A Structure. Advanced Materials, 2012, 24, 3383-3389.	23.6	301
54	On the morphology of polymerâ€based photovoltaics. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1018-1044.	2.4	298

#	Article	IF	Citations
55	Defect-Free Nanoporous Thin Films from ABC Triblock Copolymers. Journal of the American Chemical Society, 2006, 128, 7622-7629.	14.1	297
56	Enhanced mobility of confined polymers. Nature Materials, 2007, 6, 961-965.	25.8	292
57	A Free Energy Model for Confined Diblock Copolymers. Macromolecules, 1994, 27, 6225-6228.	4.9	289
58	Overcoming Interfacial Interactions with Electric Fields. Macromolecules, 2000, 33, 3250-3253.	4.9	284
59	Electrohydrodynamic instabilities in polymer films. Europhysics Letters, 2001, 53, 518-524.	2.0	277
60	Bulk Heterojunction Photovoltaic Active Layers via Bilayer Interdiffusion. Nano Letters, 2011, 11, 2071-2078.	9.2	274
61	The Crystallization of PEDOT:PSS Polymeric Electrodes Probed In Situ during Printing. Advanced Materials, 2015, 27, 3391-3397.	23.6	273
62	Block Copolymers under Cylindrical Confinement. Macromolecules, 2004, 37, 5660-5664.	4.9	271
63	Effect of Interfacial Interactions on the Glass Transition of Polymer Thin Films. Macromolecules, 2001, 34, 5535-5539.	4.9	270
64	Buried Interfaces in Halide Perovskite Photovoltaics. Advanced Materials, 2021, 33, e2006435.	23.6	262
65	Chain conformation in ultrathin polymer films. Nature, 1999, 400, 146-149.	35.3	261
66	Ordered Diblock Copolymer Films on Random Copolymer Brushes. Macromolecules, 1997, 30, 6810-6813.	4.9	259
67	Hierarchical structure formation and pattern replication induced by an electric field. Nature Materials, 2003, 2, 48-52.	25.8	259
68	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10%. Advanced Materials, 2016, 28, 10008-10015.	23.6	256
69	Observed frustration in confined block copolymers. Physical Review Letters, 1994, 72, 2899-2902.	7.8	255
70	Efficient Semitransparent Solar Cells with High NIR Responsiveness Enabled by a Smallâ€Bandgap Electron Acceptor. Advanced Materials, 2017, 29, 1606574.	23.6	254
71	Characterization of the morphology of solution-processed bulk heterojunction organic photovoltaics. Progress in Polymer Science, 2013, 38, 1990-2052.	25.5	253
72	Multiâ€Lengthâ€Scale Morphologies Driven by Mixed Additives in Porphyrinâ€Based Organic Photovoltaics. Advanced Materials, 2016, 28, 4727-4733.	23.6	253

#	Article	IF	Citations
73	Highâ€Efficiency Nonfullerene Polymer Solar Cells with Medium Bandgap Polymer Donor and Narrow Bandgap Organic Semiconductor Acceptor. Advanced Materials, 2016, 28, 8288-8295.	23.6	250
74	11% Efficient Ternary Organic Solar Cells with High Composition Tolerance via Integrated Nearâ€IR Sensitization and Interface Engineering. Advanced Materials, 2016, 28, 8184-8190.	23.6	250
75	Adsorption Energy of Nano- and Microparticles at Liquidâ^'Liquid Interfaces. Langmuir, 2010, 26, 12518-12522.	3.6	247
76	Self-Assembly and Cross-Linking of Bionanoparticles at Liquid-Liquid Interfaces. Angewandte Chemie - International Edition, 2005, 44, 2420-2426.	14.2	246
77	Entanglements at Polymer Surfaces and Interfaces. Macromolecules, 1996, 29, 798-800.	4.9	243
78	Nanoparticle Assembly at Fluid Interfaces:Â Structure and Dynamics. Langmuir, 2005, 21, 191-194.	3.6	243
79	Solvent-Induced Ordering in Thin Film Diblock Copolymer/Homopolymer Mixtures. Advanced Materials, 2004, 16, 2119-2123.	23.6	241
80	A Simple Route to Metal Nanodots and Nanoporous Metal Films. Nano Letters, 2002, 2, 933-936.	9.2	240
81	Interfacial Segregation in Disordered Block Copolymers: Effect of Tunable Surface Potentials. Physical Review Letters, 1997, 79, 237-240.	7.8	236
82	Highâ€Performance Asâ€Cast Nonfullerene Polymer Solar Cells with Thicker Active Layer and Large Area Exceeding 11% Power Conversion Efficiency. Advanced Materials, 2018, 30, 1704546.	23.6	236
83	Kinetics of crystallization in semicrystalline/amorphous polymer mixtures. Macromolecules, 1986, 19, 1143-1152.	4.9	233
84	Nanoparticle Assembly at Liquidâ€"Liquid Interfaces: From the Nanoscale to Mesoscale. Advanced Materials, 2018, 30, e1800714.	23.6	233
85	Structural studies of semifluorinated n-alkanes. 1. Synthesis and characterization of F(CF2)n(CH2)mH in the solid state. Macromolecules, 1984, 17, 2786-2794.	4.9	232
86	Highly Aligned Ultrahigh Density Arrays of Conducting Polymer Nanorods using Block Copolymer Templates. Nano Letters, 2008, 8, 2315-2320.	9.2	224
87	Chargeâ€Carrier Balance for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. Advanced Materials, 2016, 28, 10718-10724.	23.6	220
88	Wetting Transition in Cylindrical Alumina Nanopores with Polymer Melts. Nano Letters, 2006, 6, 1075-1079.	9.2	219
89	Microdomain Orientation of PS-b-PMMA by Controlled Interfacial Interactions. Macromolecules, 2008, 41, 6431-6437.	4.9	216
90	â€œSelf-Corrallingâ€•Nanorods under an Applied Electric Field. Nano Letters, 2006, 6, 2066-2069.	9.2	214

#	Article	IF	Citations
91	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. Journal of the American Chemical Society, 2016, 138, 7687-7697.	14.1	214
92	Efficient Polymer Solar Cells Based on a Low Bandgap Semiâ€crystalline DPP Polymerâ€PCBM Blends. Advanced Materials, 2012, 24, 3947-3951.	23.6	210
93	Understanding the Morphology of PTB7:PCBM Blends in Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1301377.	21.5	204
94	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI6]4â^' cage nanoparticles. Nature Communications, 2017, 8, 15688.	12.8	202
95	A Simple Route to Highly Oriented and Ordered Nanoporous Block Copolymer Templates. ACS Nano, 2008, 2, 766-772.	14.9	200
96	Surface-Functionalized CdSe Nanorods for Assembly in Diblock Copolymer Templates. Journal of the American Chemical Society, 2006, 128, 3898-3899.	14.1	199
97	Morphological changes in polyesters and polyamides induced by blending with small concentrations of polymer diluents. Macromolecules, 1989, 22, 666-675.	4.9	198
98	Surface Modification of Tobacco Mosaic Virus with â€œClickâ€•Chemistry. ChemBioChem, 2008, 9, 519-523.	2.7	195
99	Well-Defined Random Copolymers by a â€œLivingâ€•Free-Radical Polymerization Process. Macromolecules, 1996, 29, 2686-2688.	4.9	194
100	One-Step Formation of Functionalized Block Copolymers. Macromolecules, 2000, 33, 1505-1507.	4.9	193
101	Synthesis of Nano/Microstructures at Fluid Interfaces. Angewandte Chemie - International Edition, 2010, 49, 10052-10066.	14.2	191
102	From Cylinders to Helices upon Confinement. Macromolecules, 2005, 38, 1055-1056.	4.9	190
103	In-plane orientation of polyimide. Journal of Polymer Science, Polymer Physics Edition, 1983, 21, 1745-1756.	1.0	189
104	Phase-Separation-Induced Surface Patterns in Thin Polymer Blend Films. Macromolecules, 1998, 31, 857-862.	4.9	188
105	Global, regional, and countryâ€level estimates of hepatitis C infection among people who have recently injected drugs. Addiction, 2019, 114, 150-166.	4.8	188
106	Electric field induced instabilities at liquid/liquid interfaces. Journal of Chemical Physics, 2001, 114, 2377-2381.	2.9	187
107	Understanding Interface Engineering for Highâ€Performance Fullerene/Perovskite Planar Heterojunction Solar Cells. Advanced Energy Materials, 2016, 6, 1501606.	21.5	184
108	Selfâ€Assembly of MXeneâ€Surfactants at Liquidâ€“Liquid Interfaces: From Structured Liquids to 3D Aerogels. Angewandte Chemie - International Edition, 2019, 58, 18171-18176.	14.2	184

#	Article	IF	Citations
109	Neutron and x-ray scattering studies on semicrystalline polymer blends. Macromolecules, 1988, 21, 1703-1709.	4.9	183
110	A Route to Nanoscopic SiO2 Posts via Block Copolymer Templates. Advanced Materials, 2001, 13, 795-797.	23.6	178
111	Cylindrically Confined Diblock Copolymers. Macromolecules, 2009, 42, 9082-9088.	4.9	177
112	Highâ€Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18%. Advanced Functional Materials, 2016, 26, 3508-3514.	16.0	176
113	Ordering of thin diblock copolymer films. Physical Review Letters, 1992, 68, 67-70.	7.8	174
114	A high mobility conjugated polymer based on dithienothiophene and diketopyrrolopyrrole for organic photovoltaics. Energy and Environmental Science, 2012, 5, 6857.	31.3	173
115	Multiâ€Lengthâ€Scale Morphologies in PCPDTBT/PCBM Bulkâ€Heterojunction Solar Cells. Advanced Energy Materials, 2012, 2, 683-690.	21.5	172
116	Poly(oximeâ€“ester) Vitrimers with Catalyst-Free Bond Exchange. Journal of the American Chemical Society, 2019, 141, 13753-13757.	14.1	168
117	Long-Range Ordering of Diblock Copolymers Induced by Droplet Pinning. Langmuir, 2003, 19, 9910-9913.	3.6	167
118	Intercalibration of small-angle X-ray and neutron scattering data. Journal of Applied Crystallography, 1988, 21, 629-638.	4.6	166
119	A lower critical ordering transition in a diblock copolymer melt. Nature, 1994, 368, 729-731.	35.3	166
120	Semi-crystalline random conjugated copolymers with panchromatic absorption for highly efficient polymer solar cells. Energy and Environmental Science, 2013, 6, 3301.	31.3	166
121	Cellular Responses to Substrate Topography: Role of Myosin II and Focal Adhesion Kinase. Biophysical Journal, 2006, 90, 3774-3782.	0.5	165
122	Interactions in mixtures of poly(ethylene oxide) and poly(methyl methacrylate). Macromolecules, 1987, 20, 2213-2220.	4.9	164
123	Subtle Balance Between Length Scale of Phase Separation and Domain Purification in Smallâ€Molecule Bulkâ€Heterojunction Blends under Solvent Vapor Treatment. Advanced Materials, 2015, 27, 6296-6302.	23.6	163
124	Near-complete depolymerization of polyesters with nano-dispersed enzymes. Nature, 2021, 592, 558-563.	35.3	162
125	Structural characterization of semifluorinated n-alkanes. 2. Solid-solid transition behavior. Macromolecules, 1986, 19, 1135-1143.	4.9	161
126	Template Conversion of Covalent Organic Frameworks into 2D Conducting Nanocarbons for Catalyzing Oxygen Reduction Reaction. Advanced Materials, 2018, 30, e1706330.	23.6	160

#	Article	IF	Citations
127	Directed self-assembly of block copolymers in the extreme: guiding microdomains from the small to the large. Soft Matter, 2013, 9, 9059.	2.8	159
128	On the kinetics of nanoparticle self-assembly at liquid/liquid interfaces. Physical Chemistry Chemical Physics, 2007, 9, 6351.	2.8	158
129	Surface Relaxations in Polymers. Macromolecules, 1997, 30, 7768-7771.	4.9	156
130	Large-Area Domain Alignment in Block Copolymer Thin Films Using Electric Fields. Macromolecules, 1998, 31, 4399-4401.	4.9	156
131	Highly Efficient Parallel-Like Ternary Organic Solar Cells. Chemistry of Materials, 2017, 29, 2914-2920.	6.8	154
132	Improved cathode for high efficient microbial-catalyzed reduction in microbial electrosynthesis cells. Physical Chemistry Chemical Physics, 2013, 15, 14290.	2.8	153
133	Segment distributions in lamellar diblock copolymers. Macromolecules, 1993, 26, 3929-3936.	4.9	152
134	Structure Formation at the Interface of Liquid/Liquid Bilayer in Electric Field. Macromolecules, 2002, 35, 3971-3976.	4.9	152
135	Bistetracene: An Air-Stable, High-Mobility Organic Semiconductor with Extended Conjugation. Journal of the American Chemical Society, 2014, 136, 9248-9251.	14.1	152
136	Electric Field Alignment of Asymmetric Diblock Copolymer Thin Films. Macromolecules, 2005, 38, 10788-10798.	4.9	151
137	Controlled Placement of CdSe Nanoparticles in Diblock Copolymer Templates by Electrophoretic Deposition. Nano Letters, 2005, 5, 357-361.	9.2	151
138	Lowâ€Bandgap Porphyrins for Highly Efficient Organic Solar Cells: Materials, Morphology, and Applications. Advanced Materials, 2020, 32, e1906129.	23.6	151
139	Confinement Effects on Crystallization and Curie Transitions of Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td	4.9	150
140	Pathways toward Electric Field Induced Alignment of Block Copolymers. Macromolecules, 2002, 35, 8106-8110.	4.9	149
141	Solvent-Induced Transition from Micelles in Solution to Cylindrical Microdomains in Diblock Copolymer Thin Films. Macromolecules, 2007, 40, 9059-9063.	4.9	149
142	Fluorination of Polythiophene Derivatives for High Performance Organic Photovoltaics. Chemistry of Materials, 2014, 26, 4214-4220.	6.8	146
143	Ternary non-fullerene polymer solar cells with 13.51% efficiency and a record-high fill factor of 78.13%. Energy and Environmental Science, 2018, 11, 3392-3399.	31.3	146
144	Reconfigurable Printed Liquids. Advanced Materials, 2018, 30, e1707603.	23.6	145

#	Article	IF	Citations
145	Expansion of Polystyrene Using Supercritical Carbon Dioxide:Â Effects of Molecular Weight, Polydispersity, and Low Molecular Weight Components. Macromolecules, 1999, 32, 7610-7616.	4.9	144
146	Defining the Nanostructured Morphology of Triblock Copolymers Using Resonant Soft X-ray Scattering. Nano Letters, 2011, 11, 3906-3911.	9.2	143
147	An In Situ Grazing Incidence Xâ€Ray Scattering Study of Block Copolymer Thin Films During Solvent Vapor Annealing. Advanced Materials, 2014, 26, 273-281.	23.6	143
148	Bicontinuous structured liquids with sub-micrometre domains using nanoparticle surfactants. Nature Nanotechnology, 2017, 12, 1060-1063.	29.6	143
149	Graft Copolymers from Poly(vinylidene fluoride-co-chlorotrifluoroethylene) via Atom Transfer Radical Polymerization. Macromolecules, 2006, 39, 3531-3539.	4.9	142
150	Enhancing the Performance of a Fused-Ring Electron Acceptor by Unidirectional Extension. Journal of the American Chemical Society, 2019, 141, 19023-19031.	14.1	142
151	11.2% Efficiency all-polymer solar cells with high open-circuit voltage. Science China Chemistry, 2019, 62, 845-850.	8.5	142
152	Spiro Linkage as an Alternative Strategy for Promising Nonfullerene Acceptors in Organic Solar Cells. Advanced Functional Materials, 2015, 25, 5954-5966.	16.0	141
153	Salt Complexation in Block Copolymer Thin Films. Macromolecules, 2006, 39, 8473-8479.	4.9	138
154	Digitalizing Selfâ€Assembled Chiral Superstructures for Optical Vortex Processing. Advanced Materials, 2018, 30, 1705865.	23.6	138
155	Advances in Atomic Force Microscopy for Probing Polymer Structure and Properties. Macromolecules, 2018, 51, 3-24.	4.9	138
156	Controlling the Location and Spatial Extent of Nanobubbles Using Hydrophobically Nanopatterned Surfaces. Nano Letters, 2005, 5, 1751-1756.	9.2	137
157	Effect of Fluorine Content in Thienothiophene-Benzodithiophene Copolymers on the Morphology and Performance of Polymer Solar Cells. Chemistry of Materials, 2014, 26, 3009-3017.	6.8	137
158	Propagation of Nanopatterned Substrate Templated Ordering of Block Copolymers in Thick Films. Macromolecules, 2001, 34, 1487-1492.	4.9	136
159	NEXAFS Studies on the Surface Orientation of Buffed Polyimides. Macromolecules, 1996, 29, 8334-8342.	4.9	134
160	Fabrication and Characterization of Nanoelectrode Arrays Formed via Block Copolymer Self-Assembly. Langmuir, 2001, 17, 6396-6398.	3.6	134
161	Tailoring exchange bias with magnetic nanostructures. Physical Review B, 2001, 63, .	3.2	134
162	P3HT Nanopillars for Organic Photovoltaic Devices Nanoimprinted by AAO Templates. ACS Nano, 2012, 6, 1479-1485.	14.9	133

#	Article	IF	Citations
163	Grazing incidence x-ray scattering studies of thin films of an aromatic polyimide. Macromolecules, 1993, 26, 2847-2859.	4.9	132
164	Self-Assembly of Symmetric Brush Diblock Copolymers. ACS Nano, 2013, 7, 2551-2558.	14.9	132
165	Assembly of Graphene Oxide at Water/Oil Interfaces: Tessellated Nanotiles. Langmuir, 2013, 29, 13407-13413.	3.6	131
166	Building Reconfigurable Devices Using Complex Liquidâ€“Fluid Interfaces. Advanced Materials, 2019, 31, e1806370.	23.6	131
167	The influence of confinement and curvature on the morphology of block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3377-3383.	2.4	130
168	Solvent-Driven Evolution of Block Copolymer Morphology under 3D Confinement. Macromolecules, 2010, 43, 7807-7812.	4.9	130
169	Mesoporous PbI₂ Scaffold for Highâ€Performance Planar Heterojunction Perovskite Solar Cells. Advanced Energy Materials, 2016, 6, 1501890.	21.5	130
170	Highâ€Efficiency Organic Photovoltaics using Eutectic Acceptor Fibrils to Achieve Current Amplification. Advanced Materials, 2021, 33, e2007177.	23.6	129
171	A lattice model for the surface segregation of polymer chains due to molecular weight effects. Macromolecules, 1990, 23, 3584-3592.	4.9	127
172	Harnessing liquid-in-liquid printing and micropatterned substrates to fabricate 3-dimensional all-liquid fluidic devices. Nature Communications, 2019, 10, 1095.	12.8	127
173	Neutrality Conditions for Block Copolymer Systems on Random Copolymer Brush Surfaces. Macromolecules, 1999, 32, 5299-5303.	4.9	126
174	Crosslinked Capsules of Quantum Dots by Interfacial Assembly and Ligand Crosslinking. Advanced Materials, 2005, 17, 2082-2086.	23.6	126
175	Homopolymer distributions in ordered block copolymers. Macromolecules, 1992, 25, 6523-6531.	4.9	125
176	Synthesis and photophysical property of well-defined donorâ€“acceptor diblock copolymer based on regioregular poly(3-hexylthiophene) and fullerene. Journal of Materials Chemistry, 2009, 19, 1483.	6.7	125
177	New Form of an Old Natural Dye: Bay-Annulated Indigo (BAI) as an Excellent Electron Accepting Unit for High Performance Organic Semiconductors. Journal of the American Chemical Society, 2014, 136, 15093-15101.	14.1	125
178	Mobility of Polymers at the Air/Polymer Interface. Macromolecules, 2001, 34, 3484-3492.	4.9	123
179	Relating Chemical Structure to Device Performance via Morphology Control in Diketopyrrolopyrrole-Based Low Band Gap Polymers. Journal of the American Chemical Society, 2013, 135, 19248-19259.	14.1	123
180	Solvent Annealed Thin Films of Asymmetric Polyisopreneâ€Polylactide Diblock Copolymers. Macromolecules, 2007, 40, 1181-1186.	4.9	122

#	Article	IF	Citations
181	Responsive Assemblies: Gold Nanoparticles with Mixed Ligands in Microphase Separated Block Copolymers. Advanced Materials, 2008, 20, 1462-1466.	23.6	122
182	Nanostructured Magnetic Thin Films from Organometallic Block Copolymers: Pyrolysis of Self-Assembled Polystyrene-block-poly(ferrocenylethylmethylsilane). ACS Nano, 2008, 2, 263-270.	14.9	122
183	Conformation Locking on Fusedâ€Ring Electron Acceptor for Highâ€Performance Nonfullerene Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1705095.	16.0	122
184	A small-angle X-ray scattering study of an aromatic polyimide. Journal of Polymer Science, Polymer Physics Edition, 1984, 22, 1105-1117.	1.0	121
185	Instabilities in Nanoporous Media. Nano Letters, 2007, 7, 183-187.	9.2	121
186	High Efficiency Tandem Thin-Perovskite/Polymer Solar Cells with a Graded Recombination Layer. ACS Applied Materials & Interfaces, 2016, 8, 7070-7076.	8.1	120
187	High-Quality Single-Walled Carbon Nanotubes with Small Diameter, Controlled Density, and Ordered Locations Using a Polyferrocenylsilane Block Copolymer Catalyst Precursor. Chemistry of Materials, 2005, 17, 2227-2231.	6.8	119
188	Synchrotron X-ray Scattering Studies of Crystallization of Poly(ether-ether-ketone) from the Glass and Structural Changes during Subsequent Heating-Cooling Processes. Macromolecules, 1995, 28, 8491-8503.	4.9	118
189	Phase Behavior of Mixtures of Block Copolymer and Homopolymers in Thin Films and Bulk. Macromolecules, 2003, 36, 3626-3634.	4.9	118
190	Electric Field Alignment of Symmetric Diblock Copolymer Thin Films. Macromolecules, 2004, 37, 2625-2629.	4.9	118
191	Fast Printing and In Situ Morphology Observation of Organic Photovoltaics Using Slotâ€Die Coating. Advanced Materials, 2015, 27, 886-891.	23.6	118
192	Reducing Substrate Pinning of Block Copolymer Microdomains with a Buffer Layer of Polymer Brushes. Macromolecules, 2000, 33, 857-865.	4.9	116
193	Ordered Arrays of ã€˜100ã€‰-Oriented Silicon Nanorods by CMOS-Compatible Block Copolymer Lithography. Nano Letters, 2007, 7, 1516-1520.	9.2	116
194	Synthesis of C60-end capped P3HT and its application for high performance of P3HT/PCBM bulk heterojunction solar cells. Journal of Materials Chemistry, 2010, 20, 3287.	6.7	116
195	Dielectric screening in perovskite photovoltaics. Nature Communications, 2021, 12, 2479.	12.8	116
196	Hysteresisâ€Free Nanoparticleâ€Reinforced Hydrogels. Advanced Materials, 2022, 34, e2108243.	23.6	116
197	The Form of the Enriched Surface Layer in Polymer Blends. Europhysics Letters, 1990, 12, 41-46.	2.0	115
198	Inorganic Nanodots from Thin Films of Block Copolymers. Nano Letters, 2004, 4, 1841-1844.	9.2	114

#	Article	IF	Citations
199	Lateral Ordering of Cylindrical Microdomains Under Solvent Vapor. Macromolecules, 2009, 42, 1278-1284.	4.9	114
200	Conjugated Polymer Zwitterions: Efficient Interlayer Materials in Organic Electronics. Accounts of Chemical Research, 2016, 49, 2478-2488.	15.7	114
201	Approaching Intraâ€•and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. Advanced Materials, 2017, 29, 1701251.	23.6	114
202	Surface-induced ordering of an aromatic polyimide. Physical Review Letters, 1991, 66, 1181-1184.	7.8	113
203	Pressure/temperature phase diagram of hexanitrohexaazaisowurtzitane. The Journal of Physical Chemistry, 1993, 97, 1993-1997.	2.9	113
204	Closed-loop phase behaviour in block copolymers. Nature Materials, 2002, 1, 114-117.	25.8	113
205	Comparison of Two Dâ^'A Type Polymers with Each BeingÂFluorinated on D and A Unit for High Performance Solar Cells. Advanced Functional Materials, 2015, 25, 120-125.	16.0	113
206	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances. Journal of the American Chemical Society, 2022, 144, 1700-1708.	14.1	113
207	Observations of a gel phase in binary mixtures of semifluorinated n-alkanes with hydrocarbon liquids. Macromolecules, 1985, 18, 1361-1362.	4.9	112
208	Reversal of the isotopic effect in the surface behavior of binary polymer blends. Journal of Chemical Physics, 1993, 98, 4163-4173.	2.9	112
209	Diblock Copolymers with Amorphous Atactic Polyferrocenylsilane Blocks:Â Synthesis, Characterization, and Self-Assembly of Polystyrene-block-poly(ferrocenylethylmethylsilane) in the Bulk State. Macromolecules, 2005, 38, 6931-6938.	4.9	112
210	Block-Copolymer-Based Plasmonic Nanostructures. ACS Nano, 2009, 3, 3987-3992.	14.9	112
211	Multicenter Implementation of a Treatment Bundle for Patients with Sepsis and Intermediate Lactate Values. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1264-1270.	6.3	112
212	Mixed Lamellar Films:Â Evolution, Commensurability Effects, and Preferential Defect Formation. Macromolecules, 2000, 33, 80-88.	4.9	111
213	Semaphorin 7a⁺ Regulatory T Cells Are Associated with Progressive Idiopathic Pulmonary Fibrosis and Are Implicated in Transforming Growth Factor-Î²1â€“induced Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 180-188.	6.3	111
214	A simple perylene diimide derivative with a highly twisted geometry as an electron acceptor for efficient organic solar cells. Journal of Materials Chemistry A, 2016, 4, 10659-10665.	10.3	111
215	Phase Behavior of Diblock Copolymers between Styrene and n-Alkyl Methacrylates. Macromolecules, 1998, 31, 8509-8516.	4.9	110
216	Synthesis and Characterization of CdSe Nanorods Functionalized with Regioregular Poly(3-hexylthiophene). Chemistry of Materials, 2007, 19, 3712-3716.	6.8	110

#	Article	IF	Citations
217	Finely Tuned Polymer Interlayers Enhance Solar Cell Efficiency. Angewandte Chemie - International Edition, 2015, 54, 11485-11489.	14.2	110
218	Kinetically Trapped Co-continuous Polymer Morphologies through Intraphase Gelation of Nanoparticles. Nano Letters, 2011, 11, 1997-2003.	9.2	108
219	Molecular Weight Dependence of the Morphology in P3HT:PCBM Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 19876-19887.	8.1	108
220	Chain Conformation in Ultrathin Polymer Films Using Small-Angle Neutron Scattering. Macromolecules, 2001, 34, 559-567.	4.9	107
221	Solvent annealing thin films of poly(isoprene-b-lactide). Polymer, 2005, 46, 11635-11639.	3.8	106
222	Effect of Humidity on the Ordering of PEO-Based Copolymer Thin Films. Macromolecules, 2007, 40, 7019-7025.	4.9	106
223	Electric Field Induced Sphere-to-Cylinder Transition in Diblock Copolymer Thin Films. Macromolecules, 2004, 37, 6980-6984.	4.9	105
224	A simple small molecule as an acceptor for fullerene-free organic solar cells with efficiency near 8%. Journal of Materials Chemistry A, 2016, 4, 10409-10413.	10.3	105
225	Simultaneous Thermoelectric Property Measurement and Incoherent Phonon Transport in Holey Silicon. ACS Nano, 2016, 10, 124-132.	14.9	105
226	Highly Ordered Gold Nanotubes Using Thiols at a Cleavable Block Copolymer Interface. Journal of the American Chemical Society, 2009, 131, 9870-9871.	14.1	104
227	Smooth Cascade of Wrinkles at the Edge of a Floating Elastic Film. Physical Review Letters, 2010, 105, 038302.	7.8	103
228	Fine-Tuning Nanoparticle Packing at Waterâ€“Oil Interfaces Using Ionic Strength. Nano Letters, 2017, 17, 6453-6457.	9.2	103
229	Surface segregation in binary polymer mixtures: a lattice model. Macromolecules, 1991, 24, 4909-4917.	4.9	102
230	Interfacial Interaction Dependence of Microdomain Orientation in Diblock Copolymer Thin Films. Macromolecules, 2005, 38, 2802-2805.	4.9	102
231	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. Joule, 2020, 4, 1575-1593.	24.0	102
232	Electric Field Induced Dewetting at Polymer/Polymer Interfaces. Macromolecules, 2002, 35, 6255-6262.	4.9	101
233	Ionic aggregation in model ionomers. Macromolecules, 1986, 19, 2877-2884.	4.9	100
234	From Nanorings to Nanodots by Patterning with Block Copolymers. Nano Letters, 2008, 8, 1667-1672.	9.2	100

#	Article	IF	Citations
235	Self-Assembly of Tobacco Mosaic Virus at Oil/Water Interfaces. Langmuir, 2009, 25, 4979-4987.	3.6	100
236	Structured Liquids with pHâ€Triggered Reconfigurability. Advanced Materials, 2016, 28, 6612-6618.	23.6	100
237	Unconventional morphologies of symmetric, diblock copolymers due to film thickness constraints. Macromolecules, 1991, 24, 6263-6269.	4.9	99
238	Nanoporous Block Copolymer Membranes for Ultrafiltration: A Simple Approach to Size Tunability. ACS Nano, 2014, 8, 11745-11752.	14.9	99
239	Printed Nonfullerene Organic Solar Cells with the Highest Efficiency of 9.5%. Advanced Energy Materials, 2018, 8, 1701942.	21.5	99
240	Azulene Methacrylate Polymers: Synthesis, Electronic Properties, and Solar Cell Fabrication. Journal of the American Chemical Society, 2014, 136, 11043-11049.	14.1	98
241	A Morphological Study of a Semicrystalline Poly(l-lactic acid-b-ethylene oxide-b-l-lactic acid) Triblock Copolymer. Macromolecules, 2005, 38, 104-109.	4.9	97
242	Highly Ordered Nanoporous Thin Films from Photocleavable Block Copolymers. Macromolecules, 2011, 44, 6433-6440.	4.9	97
243	On the Self-Assembly of Brush Block Copolymers in Thin Films. ACS Nano, 2013, 7, 9684-9692.	14.9	97
244	NDIâ€Based Small Molecule as Promising Nonfullerene Acceptor for Solutionâ€Processed Organic Photovoltaics. Advanced Energy Materials, 2015, 5, 1500195.	21.5	97
245	Butterfly Effects Arising from Starting Materials in Fused-Ring Electron Acceptors. Journal of the American Chemical Society, 2020, 142, 20124-20133.	14.1	96
246	Width of homopolymer interfaces in the presence of symmetric diblock copolymers. Macromolecules, 1991, 24, 5721-5726.	4.9	95
247	Specular reflectivity of neutrons by thin polymer films. Macromolecules, 1988, 21, 1890-1893.	4.9	94
248	Copolymers at surfaces and interfaces. Current Opinion in Colloid and Interface Science, 1996, 1, 107-115.	7.8	94
249	Interfacial Energy Effects on the Electric Field Alignment of Symmetric Diblock Copolymers. Macromolecules, 2003, 36, 6178-6182.	4.9	94
250	Drying Droplets: A Window into the Behavior of Nanorods at Interfaces. Small, 2007, 3, 1214-1217.	10.9	94
251	A Novel Approach to Addressable 4â€‰Teradot/in.² Patterned Media. Advanced Materials, 2009, 21, 2516-2519.	23.6	94
252	Conjugated Polymeric Zwitterions as Efficient Interlayers in Organic Solar Cells. Advanced Materials, 2013, 25, 6868-6873.	23.6	94

#	Article	IF	Citations
253	Measuring the Degree of Crystallinity in Semicrystalline Regioregular Poly(3-hexylthiophene). Macromolecules, 2016, 49, 4501-4509.	4.9	94
254	High Efficiency Ternary Nonfullerene Polymer Solar Cells with Two Polymer Donors and an Organic Semiconductor Acceptor. Advanced Energy Materials, 2017, 7, 1602215.	21.5	94
255	Morphology control of a polythiopheneâ€“fullerene bulk heterojunction for enhancement of the high-temperature stability of solar cell performance by a new donorâ€“acceptor diblock copolymer. Nanotechnology, 2010, 21, 105201.	2.6	93
256	Adaptive Structured Pickering Emulsions and Porous Materials Based on Cellulose Nanocrystal Surfactants. Angewandte Chemie - International Edition, 2018, 57, 13560-13564.	14.2	93
257	Segment density distribution of symmetric diblock copolymers at the interface between two homopolymers as revealed by neutron reflectivity. Macromolecules, 1991, 24, 1575-1582.	4.9	91
258	Curvature-induced stiffness and the spatial variation of wavelength in wrinkled sheets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1144-1149.	7.4	91
259	Liquid Letters. Advanced Materials, 2018, 30, 1705800.	23.6	90
260	Microcapsules of PEGylated Gold Nanoparticles Prepared by Fluidâ^'Fluid Interfacial Assembly. Nano Letters, 2007, 7, 389-393.	9.2	89
261	Morphological Characterization of a Lowâ€Bandgap Crystalline Polymer:PCBM Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2011, 1, 870-878.	21.5	89
262	Unidirectionally aligned line patterns driven by entropic effects on faceted surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1402-1406.	7.4	89
263	Photoresponsive Structured Liquids Enabled by Molecular Recognition at Liquidâ€“Liquid Interfaces. Journal of the American Chemical Society, 2020, 142, 8591-8595.	14.1	89
264	Study and characterization of tobacco mosaic virus head-to-tail assembly assisted by aniline polymerization. Chemical Communications, 2006, , 3019.	4.1	88
265	Medium Bandgap Conjugated Polymer for High Performance Polymer Solar Cells Exceeding 9% Power Conversion Efficiency. Advanced Materials, 2015, 27, 7462-7468.	23.6	88
266	Smallâ€Molecule Solar Cells with Simultaneously Enhanced Shortâ€Circuit Current and Fill Factor to Achieve 11% Efficiency. Advanced Materials, 2017, 29, 1700616.	23.6	88
267	Role of Localized States in Photoluminescence Dynamics of High Optical Gain CsPbBr₃ Nanocrystals. Advanced Optical Materials, 2018, 6, 1800109.	7.6	88
268	Segregation of chain ends to polymer melt surfaces and interfaces. Macromolecules, 1993, 26, 561-562.	4.9	87
269	Cross-Linked Block Copolymer/Ionic Liquid Self-Assembled Blends for Polymer Gel Electrolytes with High Ionic Conductivity and Mechanical Strength. Macromolecules, 2013, 46, 9313-9323.	4.9	87
270	Surface interaction in solvent-cast polystyrene-poly(methyl methacrylate) diblock copolymers. Macromolecules, 1989, 22, 2189-2194.	4.9	86

#	Article	IF	Citations
271	The Effect of Hydrostatic Pressure on the Lower Critical Ordering Transition in Diblock Copolymers. Macromolecules, 1998, 31, 6493-6498.	4.9	86
272	Precise Control of Nanopore Size in Thin Film Using Mixtures of Asymmetric Block Copolymer and Homopolymer. Macromolecules, 2003, 36, 10126-10129.	4.9	86
273	Role of semaphorin 7a signaling in transforming growth factor Î²1â€“induced lung fibrosis and sclerodermaâ€related interstitial lung disease. Arthritis and Rheumatism, 2011, 63, 2484-2494.	6.8	86
274	Following the Morphology Formation In Situ in Printed Active Layers for Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1501580.	21.5	86
275	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. Nano Energy, 2020, 67, 104189.	16.0	86
276	Total integrated light-scattering intensity from polymeric solids. Journal of Polymer Science, Polymer Physics Edition, 1979, 17, 1719-1730.	1.0	85
277	Investigation of the microphase separation transition in low-molecular-weight diblock copolymers. Macromolecules, 1989, 22, 3380-3387.	4.9	85
278	Evolution of order in thin block copolymer films. Macromolecules, 1994, 27, 749-755.	4.9	85
279	Effect of Hydrostatic Pressure on Closed-Loop Phase Behavior of Block Copolymers. Physical Review Letters, 2003, 90, 235501.	7.8	85
280	Using a ferrocenylsilane-based block copolymer as a template to produce nanotextured Ag surfaces: uniformly enhanced surface enhanced Raman scattering active substrates. Nanotechnology, 2006, 17, 5792-5797.	2.6	85
281	Multiple Roles of a Non-fullerene Acceptor Contribute Synergistically for High-Efficiency Ternary Organic Photovoltaics. Joule, 2018, 2, 2154-2166.	24.0	85
282	Homopolymer Interfaces Reinforced with Random Copolymers. Macromolecules, 1996, 29, 5493-5496.	4.9	84
283	A Thermal and Manufacturable Approach to Stabilized Diblock Copolymer Templates. Macromolecules, 2005, 38, 7676-7683.	4.9	84
284	The structural basis of transitions between highly ordered smectic phases in semifluorinated alkanes. Liquid Crystals, 1989, 5, 1783-1788.	2.2	83
285	Synthesis and Thin Film Characterization of Poly(styrene-block-methyl methacrylate) Containing an Anthracene Dimer Photocleavable Junction Point. Macromolecules, 2002, 35, 4271-4276.	4.9	83
286	Covalent stabilization of nanostructures: Robust block copolymer templates from novel thermoreactive systems. Journal of Polymer Science Part A, 2005, 43, 1028-1037.	2.4	83
287	Using Janus Nanoparticles To Trap Polymer Blend Morphologies during Solvent-Evaporation-Induced Demixing. Macromolecules, 2015, 48, 4220-4227.	4.9	83
288	Nanoporous Polyimides. Advances in Polymer Science, 1999, , 1-43.	0.2	82

#	Article	IF	Citations
289	Influence of Dendrimer Additives on the Dewetting of Thin Polystyrene Films. Langmuir, 2002, 18, 1877-1882.	3.6	82
290	Synthesis and characterization of a model saturated hydrocarbon diblock copolymer. Macromolecules, 1989, 22, 2557-2564.	4.9	81
291	Direct observation of reptation at polymer interfaces. Nature, 1993, 365, 235-237.	35.3	81
292	Ordering in thin films of asymmetric diblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 663-668.	2.4	81
293	Confined thin film diblock copolymer in the presence of an electric field. Journal of Chemical Physics, 2001, 115, 1559-1564.	2.9	80
294	Controlling the Morphologies of Organometallic Block Copolymers in the 3-Dimensional Spatial Confinement of Colloidal and Inverse Colloidal Crystals. Macromolecules, 2008, 41, 2250-2259.	4.9	80
295	Scattering Study on the Selective Solvent Swelling Induced Surface Reconstruction. Macromolecules, 2004, 37, 2972-2977.	4.9	79
296	Organic-Inorganic Nanohybridization by Block Copolymer Thin Films. Advanced Functional Materials, 2005, 15, 1160-1164.	16.0	79
297	New insight of molecular interaction, crystallization and phase separation in higher performance small molecular solar cells via solvent vapor annealing. Nano Energy, 2016, 30, 639-648.	16.0	79
298	Fullerene-free small molecule organic solar cells with a high open circuit voltage of 1.15 V. Chemical Communications, 2016, 52, 465-468.	4.1	79
299	Short-time relaxation at polymeric interfaces. Physical Review B, 1990, 42, 6846-6849.	3.2	78
300	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.4	78
301	Electrically Induced Patterning in Block Copolymer Films. Macromolecules, 2004, 37, 5358-5363.	4.9	77
302	High Aspect Ratio Subâ€15 nm Silicon Trenches From Block Copolymer Templates. Advanced Materials, 2012, 24, 5688-5694.	23.6	77
303	A non-fullerene electron acceptor modified by thiophene-2-carbonitrile for solution-processed organic solar cells. Journal of Materials Chemistry A, 2016, 4, 3777-3783.	10.3	77
304	Highâ€Performance Nonâ€Fullerene Organic Solar Cells Based on a Seleniumâ€Containing Polymer Donor and a Twisted Perylene Bisimide Acceptor. Advanced Science, 2016, 3, 1600117.	12.1	76
305	Liquid Tubule Formation and Stabilization Using Cellulose Nanocrystal Surfactants. Angewandte Chemie - International Edition, 2017, 56, 12594-12598.	14.2	75
306	Imidazole-Functionalized Imide Interlayers for High Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 3228-3235.	17.8	75

#	Article	IF	Citations
307	Topological coarsening of symmetric diblock copolymer films: Model 2D systems. Physical Review Letters, 1993, 71, 1716-1719.	7.8	74
308	Pressure Effects on the Phase Behavior of Styrene/n-Alkyl Methacrylate Block Copolymers. Macromolecules, 2003, 36, 3351-3356.	4.9	74
309	The microstructure of block copolymers formed via ionic interactions. Macromolecules, 1988, 21, 1709-1717.	4.9	73
310	Dissolution and Dissolved State of Cytochrome c in a Neat, Hydrophilic Ionic Liquid. Biomacromolecules, 2010, 11, 2944-2948.	5.5	73
311	Highâ€Performance Polymer Solar Cells Based on a Wideâ€Bandgap Polymer Containing Pyrrolo[3,4â€f]benzotriazoleâ€5,7â€dione with a Power Conversion Efficiency of 8.63%. Advanced Science, 2016, 3, 1600032.	12.1	73
312	Dynamics of (micro)phase separation during fast, bulk copolymerization: some synchrotron SAXS experiments. Macromolecules, 1991, 24, 2883-2889.	4.9	72
313	Fabrication of densely packed, well-ordered, high-aspect-ratio silicon nanopillars over large areas using block copolymer lithography. Thin Solid Films, 2006, 513, 289-294.	1.9	72
314	Donorâ€“Acceptor Copolymers Based on Thermally Cleavable Indigo, Isoindigo, and DPP Units: Synthesis, Field Effect Transistors, and Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 9038-9051.	8.1	72
315	High-pressure phase transition in .gamma.-hexanitrohexaazaisowurtzitane. The Journal of Physical Chemistry, 1992, 96, 5509-5512.	2.9	71
316	Small Molecules Based on Alkyl/Alkylthio-thieno[3,2-b]thiophene-Substituted Benzo[1,2-b:4,5-bâ€²]dithiophene for Solution-Processed Solar Cells with High Performance. Chemistry of Materials, 2015, 27, 8414-8423.	6.8	71
317	50th Anniversary Perspective: Putting the Squeeze on Polymers: A Perspective on Polymer Thin Films and Interfaces. Macromolecules, 2017, 50, 4597-4609.	4.9	71
318	Structure Development during Crystallization of Homogeneous Copolymers of Ethene and 1-Octene:Â Time-Resolved Synchrotron X-ray and SALS Measurements. Macromolecules, 1999, 32, 765-770.	4.9	70
319	Influence of Ionic Complexes on Phase Behavior of Polystyrene-b-poly(methyl methacrylate) Copolymers. Macromolecules, 2008, 41, 963-969.	4.9	70
320	A Small Molecule Composed of Dithienopyran and Diketopyrrolopyrrole as Versatile Electron Donor Compatible with Both Fullerene and Nonfullerene Electron Acceptors for High Performance Organic Solar Cells. Chemistry of Materials, 2015, 27, 4865-4870.	6.8	70
321	Equilibrium surface composition of diblock copolymers. Journal of Chemical Physics, 1990, 92, 1478-1482.	2.9	69
322	Synthesis of pyridine-capped diketopyrrolopyrrole and its use as a building block of low band-gap polymers for efficient polymer solar cells. Chemical Communications, 2013, 49, 8495.	4.1	69
323	Capillary Deformations of Bendable Films. Physical Review Letters, 2013, 111, 014301.	7.8	69
324	Changes in polystyrene and poly(methyl methacrylate) interactions with isotopic substitution. Macromolecules, 1993, 26, 5819-5819.	4.9	68

#	Article	IF	Citations
325	Nanofabrication of integrated magnetoelectronic devices using patterned self-assembled copolymer templates. Applied Physics Letters, 2002, 81, 3479-3481.	3.2	68
326	Ion-Complexation-Induced Changes in the Interaction Parameter and the Chain Conformation of PS-b-PMMA Copolymers. Macromolecules, 2008, 41, 4904-4907.	4.9	68
327	Pattern transfer using block copolymers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120306.	3.4	68
328	Rational design of advanced elastomer nanocomposites towards extremely energy-saving tires based on macromolecular assembly strategy. Nano Energy, 2018, 48, 180-188.	16.0	68
329	Conformational Entropy as a Means to Control the Behavior of Poly(diketoenamine) Vitrimers In and Out of Equilibrium. Angewandte Chemie - International Edition, 2020, 59, 735-739.	14.2	68
330	An investigation of the compatibility and morphology of semicrystalline poly(É›-caprolactone)â€“poly(vinyl chloride) blends. Journal of Polymer Science, Polymer Physics Edition, 1983, 21, 999-1010.	1.0	67
331	Interdiffusion of Polymers at Short Times. Macromolecules, 1994, 27, 6973-6979.	4.9	67
332	Surface Modification with Cross-Linked Random Copolymers:Â Minimum Effective Thickness. Macromolecules, 2007, 40, 4296-4300.	4.9	67
333	Controlling Domain Spacing and Grain Size in Cylindrical Block Copolymer Thin Films by Means of Thermal and Solvent Vapor Annealing. Macromolecules, 2016, 49, 3373-3381.	4.9	67
334	Circumventing UV Light Induced Nanomorphology Disorder to Achieve Long Lifetime PTB7â€Th:PCBM Based Solar Cells. Advanced Energy Materials, 2017, 7, 1701201.	21.5	67
335	Cylindrical Microdomain Orientation of PS-b-PMMA on the Balanced Interfacial Interactions: Composition Effect of Block Copolymers. Macromolecules, 2009, 42, 4902-4906.	4.9	66
336	A low band-gap polymer based on unsubstituted benzo[1,2-b:4,5-bâ€²]dithiophene for high performance organic photovoltaics. Chemical Communications, 2012, 48, 6933.	4.1	66
337	Donorâ€“Acceptor Conjugated Macrocycles: Synthesis and Hostâ€“Guest Coassembly with Fullerene toward Photovoltaic Application. ACS Nano, 2017, 11, 11701-11713.	14.9	66
338	Structural Evolution of Multilayered, Crystallineâ^'Amorphous Diblock Copolymer Thin Films. Macromolecules, 2001, 34, 2876-2883.	4.9	65
339	Interfacial Assembly of Turnip Yellow Mosaic Virus Nanoparticles. Langmuir, 2009, 25, 5168-5176.	3.6	65
340	Functionalized Nanoporous Thin Films and Fibers from Photocleavable Block Copolymers Featuring Activated Esters. Macromolecules, 2013, 46, 5195-5201.	4.9	65
341	High performance bio-based elastomers: energy efficient and sustainable materials for tires. Journal of Materials Chemistry A, 2016, 4, 13058-13062.	10.3	65
342	Insertion of double bond ï€-bridges of Aâ€“Dâ€“A acceptors for high performance near-infrared polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 22588-22597.	10.3	65

#	Article	IF	Citations
343	Reconfigurable Microfluidic Droplets Stabilized by Nanoparticle Surfactants. ACS Nano, 2018, 12, 2365-2372.	14.9	65
344	Naphthaleneâ€Diimideâ€Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 18131-18135.	14.2	65
345	The effect of finite film thickness on the surface segregation in symmetric binary polymer mixtures. Journal of Chemical Physics, 1993, 99, 656-663.	2.9	64
346	ABC Triblock Copolymer Vesicles with Mesh-Like Morphology. ACS Nano, 2011, 5, 486-492.	14.9	64
347	Mixed monolayer coverage on gold nanoparticles for interfacial stabilization of immiscible fluids. Chemical Communications, 2005, , 4050.	4.1	63
348	Chain Length Dependence of the Photovoltaic Properties of Monodisperse Donorâ€“Acceptor Oligomers as Model Compounds of Polydisperse Low Band Gap Polymers. Advanced Functional Materials, 2014, 24, 7538-7547.	16.0	63
349	Optimal wrapping of liquid droplets with ultrathinÂsheets. Nature Materials, 2015, 14, 1206-1209.	25.8	63
350	Transitions to Liquid Crystalline Phases in a Semifluorinated Alkane. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1989, 168, 63-82.	0.4	62
351	Polyimide Nanofoams from Aliphatic Polyester-Based Copolymers. Chemistry of Materials, 1998, 10, 39-49.	6.8	62
352	A simple model for baroplastic behavior in block copolymer melts. Journal of Chemical Physics, 2001, 114, 8205-8209.	2.9	62
353	Ion Complexation: A Route to Enhanced Block Copolymer Alignment with Electric Fields. Physical Review Letters, 2006, 96, 128301.	7.8	62
354	Manipulating Backbone Structure to Enhance Low Band Gap Polymer Photovoltaic Performance. Advanced Energy Materials, 2013, 3, 930-937.	21.5	62
355	Guided crystallization of P3HT in ternary blend solar cell based on P3HT:PCPDTBT:PCBM. Energy and Environmental Science, 2014, 7, 3782-3790.	31.3	62
356	Observation of cluster formation in an ionomer. Macromolecules, 1987, 20, 3091-3094.	4.9	61
357	Self-assembly of nanomaterials at fluid interfaces. European Physical Journal E, 2016, 39, 57.	1.7	61
358	Redox-Responsive, Reconfigurable All-Liquid Constructs. Journal of the American Chemical Society, 2021, 143, 3719-3722.	14.1	61
359	Small-angle x-ray scattering study of ionomer deformation. Journal of Polymer Science, Polymer Physics Edition, 1980, 18, 1497-1512.	1.0	60
360	Simultaneous differential scanning calorimetry and small-angle x-ray scattering. Journal of Polymer Science, Polymer Physics Edition, 1985, 23, 1109-1115.	1.0	60

#	Article	IF	Citations
361	Block Copolymer Mixtures As Revealed By Neutron Reflectivity. Macromolecules, 1994, 27, 7447-7453.	4.9	60
362	Structural Properties of Ammonium Perchlorate Compressed to 5.6 GPa. Journal of Physical Chemistry A, 2000, 104, 11188-11193.	2.5	60
363	Morphology Evolution in Highâ€Performance Polymer Solar Cells Processed from Nonhalogenated Solvent. Advanced Science, 2015, 2, 1500095.	12.1	60
364	Realizing 5.4 nm Full Pitch Lamellar Microdomains by a Solid-State Transformation. Macromolecules, 2017, 50, 7148-7154.	4.9	60
365	The Role of Additive in Diketopyrrolopyrroleâ€Based Small Molecular Bulk Heterojunction Solar Cells. Advanced Materials, 2013, 25, 6519-6525.	23.6	59
366	Osmotically Driven Formation of Double Emulsions Stabilized by Amphiphilic Block Copolymers. Angewandte Chemie - International Edition, 2014, 53, 8240-8245.	14.2	59
367	Anthraceneâ€Based Medium Bandgap Conjugated Polymers for High Performance Polymer Solar Cells Exceeding 8% PCE Without Additive and Annealing Process. Advanced Energy Materials, 2015, 5, 1500065.	21.5	59
368	Multiâ€Length Scaled Silver Nanowire Grid for Application in Efficient Organic Solar Cells. Advanced Functional Materials, 2016, 26, 4822-4828.	16.0	59
369	Growth of Silicon Oxide in Thin Film Block Copolymer Scaffolds. Advanced Materials, 2004, 16, 702-706.	23.6	58
370	Room temperature magnetic materials from nanostructured diblock copolymers. Nature Communications, 2011, 2, 482.	12.8	58
371	Three-dimensional hierarchical metal oxideâ€“carbon electrode materials for highly efficient microbial electrosynthesis. Sustainable Energy and Fuels, 2017, 1, 1171-1176.	4.7	58
372	Compartmentalized, All-Aqueous Flow-Through-Coordinated Reaction Systems. CheM, 2019, 5, 2678-2690.	11.8	58
373	Silica Nanostructures Templated by Oriented Block Copolymer Thin Films Using Pore-Filling and Selective-Mineralization Routes. Chemistry of Materials, 2005, 17, 4743-4749.	6.8	57
374	Ordering of PS-b-P4VP on Patterned Silicon Surfaces. ACS Nano, 2008, 2, 1363-1370.	14.9	57
375	Relaxation of Thin Films of Polystyrene Floating on Ionic Liquid Surface. Macromolecules, 2009, 42, 9111-9117.	4.9	57
376	Nonfullerene Small Molecular Acceptors with a Three-Dimensional (3D) Structure for Organic Solar Cells. Chemistry of Materials, 2016, 28, 6770-6778.	6.8	57
377	A Polymer Hole Extraction Layer for Inverted Perovskite Solar Cells from Aqueous Solutions. Advanced Energy Materials, 2016, 6, 1600664.	21.5	57
378	Interfacial Assembly and Jamming of Polyelectrolyte Surfactants: A Simple Route To Print Liquids in Low-Viscosity Solution. ACS Applied Materials & Interfaces, 2020, 12, 18116-18122.	8.1	57

#	Article	IF	Citations
379	Probing and repairing damaged surfaces with nanoparticle-containing microcapsules. Nature Nanotechnology, 2012, 7, 87-90.	29.6	56
380	Multiscale Active Layer Morphologies for Organic Photovoltaics Through Self-Assembly of Nanospheres. Nano Letters, 2014, 14, 5238-5243.	9.2	56
381	Interfacial Assembly and Jamming Behavior of Polymeric Janus Particles at Liquid Interfaces. ACS Applied Materials & Interfaces, 2017, 9, 33327-33332.	8.1	56
382	Chemical and Morphological Control of Interfacial Selfâ€Doping for Efficient Organic Electronics. Advanced Materials, 2018, 30, e1705976.	23.6	56
383	Unraveling the Crystallization Kinetics of 2D Perovskites with Sandwichâ€Type Structure for Highâ€Performance Photovoltaics. Advanced Materials, 2020, 32, e2002784.	23.6	56
384	Polyimide Nanofoams Based on Ordered Polyimides Derived from Poly(amic alkyl esters):Â PMDA/4-BDAF. Chemistry of Materials, 1997, 9, 105-118.	6.8	55
385	Dynamic Structure of a Protein Hydrogel:Â A Solid-State NMR Study. Macromolecules, 2001, 34, 8675-8685.	4.9	55
386	Directed Selfâ€Assembly of Block Copolymers on Twoâ€Dimensional Chemical Patterns Fabricated by Electroâ€Oxidation Nanolithography. Advanced Materials, 2010, 22, 2268-2272.	23.6	55
387	Ordering in Mixtures of a Triblock Copolymer with a Room Temperature Ionic Liquid. Macromolecules, 2010, 43, 10528-10535.	4.9	55
388	Indentation of Ultrathin Elastic Films and the Emergence of Asymptotic Isometry. Physical Review Letters, 2015, 114, 014301.	7.8	55
389	Direct observation of nanoparticle-surfactant assembly and jamming at the water-oil interface. Science Advances, 2020, 6, .	10.7	55
390	Interfacial stabilization for inverted perovskite solar cells with long-term stability. Science Bulletin, 2021, 66, 991-1002.	10.8	55
391	Rheology of the Lower Critical Ordering Transition. Macromolecules, 1995, 28, 1129-1134.	4.9	54
392	Structure of End-Grafted Polymer Brushes in Liquid and Supercritical Carbon Dioxide:Â A Neutron Reflectivity Study. Macromolecules, 2003, 36, 3365-3373.	4.9	54
393	Electric field and dewetting induced hierarchical structure formation in polymer/polymer/air trilayers. Chaos, 2005, 15, 047506.	2.5	54
394	A Simple Route for the Preparation of Mesoporous Nanostructures Using Block Copolymers. ACS Nano, 2009, 3, 2827-2833.	14.9	54
395	A Study on the Correlation Between Structure and Hole Transport in Semiâ€Crystalline Regioregular P3HT. Advanced Energy Materials, 2013, 3, 263-270.	21.5	54
396	Observation of X-Ray Speckle by Coherent Scattering at Grazing Incidence. Physical Review Letters, 1994, 73, 82-85.	7.8	53

#	Article	IF	Citations
397	Sequential, Orthogonal Fields:Â A Path to Long-Range, 3-D Order in Block Copolymer Thin Films. Macromolecules, 2003, 36, 7296-7300.	4.9	53
398	Combining Fullerenes and Zwitterions in Nonâ€Conjugated Polymer Interlayers to Raise Solar Cell Efficiency. Angewandte Chemie - International Edition, 2018, 57, 9675-9678.	14.2	53
399	Thermal decomposition of energetic materials 31â€”Fast thermolysis of ammonium nitrate, ethylenediammonium dinitrate and hydrazinium nitrate and the relationship to the burning rate. Combustion and Flame, 1989, 76, 393-401.	5.2	52
400	Atomic structure of solid and liquid polyethylene oxide. Journal of Chemical Physics, 1998, 109, 7005-7010.	2.9	52
401	Using Nanoparticle-Filled Microcapsules for Site-Specific Healing of Damaged Substrates: Creating a â€œRepair-and-Goâ€•System. ACS Nano, 2010, 4, 1115-1123.	14.9	52
402	Directed Selfâ€Assembly of Poly(2â€vinylpyridine)â€bâ€polystyreneâ€bâ€poly(2â€vinylpyridine) Triblock Copolymer with Subâ€15 nm Spacing Line Patterns Using a Nanoimprinted Photoresist Template. Advanced Materials, 2015, 27, 4364-4370.	23.6	52
403	Liquid Tubule Formation and Stabilization Using Cellulose Nanocrystal Surfactants. Angewandte Chemie, 2017, 129, 12768-12772.	2.1	52
404	Interplay between Ion Transport, Applied Bias, and Degradation under Illumination in Hybrid Perovskite p-i-n Devices. Journal of Physical Chemistry C, 2018, 122, 13986-13994.	3.2	52
405	Dichlorinated Dithienyletheneâ€Based Copolymers for Airâ€Stable nâ€Type Conductivity and Thermoelectricity. Advanced Functional Materials, 2021, 31, 2005901.	16.0	52
406	Segregation of low molecular weight symmetric diblock copolymers at the interface of high molecular weight homopolymers. Macromolecules, 1991, 24, 2931-2935.	4.9	51
407	Interdiffusion of polymers across interfaces. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 2919-2940.	2.4	51
408	Novel 3-D Structures in Polymer Films by Coupling External and Internal Fields. Langmuir, 2006, 22, 4315-4318.	3.6	51
409	Efficient Naphthalenediimide-Based Hole Semiconducting Polymer with Vinylene Linkers between Donor and Acceptor Units. Chemistry of Materials, 2016, 28, 8580-8590.	6.8	51
410	Atomic Force Microscopy Nanomechanical Mapping Visualizes Interfacial Broadening between Networks Due to Chemical Exchange Reactions. Journal of the American Chemical Society, 2018, 140, 6793-6796.	14.1	51
411	Polymer design to promote low work function surfaces in organic electronics. Progress in Polymer Science, 2020, 103, 101222.	25.5	51
412	Janus MXene nanosheets for macroscopic assemblies. Materials Chemistry Frontiers, 2020, 4, 910-917.	5.8	51
413	Distributions of chain ends and junction points in ordered block copolymers. Macromolecules, 1993, 26, 1047-1052.	4.9	50
414	Phase Behavior of Polystyrene-block-poly(n-alkyl methacrylate)s Dilated with Carbon Dioxide. Macromolecules, 2003, 36, 4029-4036.	4.9	50

#	Article	IF	Citations
415	Block Copolymer Domain Reorientation in an Electric Field:Â An in-Situ Small-Angle X-ray Scattering Study. Macromolecules, 2004, 37, 2538-2543.	4.9	50
416	Effective Interaction Parameter for Homologous Series of Deuterated Polystyrene-block-Poly(n-alkyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.9	50
417	Thin Film Instabilities in Blends under Cylindrical Confinement. Macromolecular Rapid Communications, 2009, 30, 377-383.	4.3	50
418	Neutron reflectivity study of block copolymers adsorbed from solution. Macromolecules, 1990, 23, 3860-3864.	4.9	49
419	The Characterization of Polymer Interfaces. Annual Review of Materials Research, 1991, 21, 249-268.	5.7	49
420	Phase Separation in Polymer Blends and Diblock Copolymers Induced by Compressible Solvents. Macromolecules, 1999, 32, 7737-7740.	4.9	49
421	Phase Coherence and Microphase Separation Transitions in Diblock Copolymer Thin Films. Macromolecules, 1999, 32, 4832-4837.	4.9	49
422	Effect of Nanoparticle Surfactants on the Breakup of Free-Falling Water Jets during Continuous Processing of Reconfigurable Structured Liquid Droplets. Nano Letters, 2017, 17, 3119-3125.	9.2	49
423	Nano- to Macro-Sized Heterogeneities Using Cleavable Diblock Copolymers. Macromolecules, 2004, 37, 9639-9645.	4.9	48
424	A Photoactive Polymer with Azobenzene Chromophore in the Side Chains. Macromolecules, 2007, 40, 2267-2270.	4.9	48
425	Core/Shell Biocomposites from the Hierarchical Assembly of Bionanoparticles and Polymer. Small, 2008, 4, 1624-1629.	10.9	48
426	A solution-processed high performance organic solar cell using a small molecule with the thieno[3,2-b]thiophene central unit. Chemical Communications, 2015, 51, 15268-15271.	4.1	48
427	High Short-Circuit Current Density via Integrating the Perovskite and Ternary Organic Bulk Heterojunction. ACS Energy Letters, 2019, 4, 2535-2536.	17.8	48
428	Ordering at diblock copolymer surfaces. Macromolecules, 1991, 24, 252-255.	4.9	47
429	Pressure, Temperature Reaction Phase Diagram for Ammonium Dinitramide. The Journal of Physical Chemistry, 1996, 100, 3248-3251.	2.9	47
430	Reversible Surface Patterning by Dynamic Crosslink Gradients: Controlling Buckling in 2D. Advanced Materials, 2018, 30, e1803463.	23.6	47
431	Enabling full-scale grain boundary mitigation in polycrystalline perovskite solids. Science Advances, 2022, 8, .	10.7	47
432	Behavior of isotopic, binary polymer blends in the vicinity of neutral surfaces: the effects of chain-length disparity. Macromolecules, 1991, 24, 3816-3820.	4.9	46

#	Article	IF	Citations
433	Experimental study of the surface structure of diblock copolymer films using microscopy and xâ€ray scattering. Journal of Chemical Physics, 1993, 98, 2376-2386.	2.9	46
434	Time-resolved SAXS studies of morphological changes in cold crystallized poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (t	2.1	46
435	Adhesion of Polymer Interfaces Reinforced with Random and Diblock Copolymers as a Function of Geometry. Macromolecules, 1999, 32, 6254-6260.	4.9	46
436	Fabrication of Pt/Au Concentric Spheres from Triblock Copolymer. ACS Nano, 2010, 4, 1124-1130.	14.9	46
437	Block copolymer self-assembly in chemically patterned squares. Soft Matter, 2011, 7, 3915.	2.8	46
438	Sequential Deposition: Optimization of Solvent Swelling for High-Performance Polymer Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 653-661.	8.1	46
439	Self-Regulated Nanoparticle Assembly at Liquid/Liquid Interfaces: A Route to Adaptive Structuring of Liquids. Langmuir, 2017, 33, 7994-8001.	3.6	46
440	Ternary Solar Cells Based on Two Small Molecule Donors with Same Conjugated Backbone: The Role of Good Miscibility and Hole Relay Process. ACS Applied Materials & Interfaces, 2017, 9, 29917-29923.	8.1	46
441	Polymerâ€Modified ZnO Nanoparticles as Electron Transport Layer for Polymerâ€Based Solar Cells. Advanced Functional Materials, 2020, 30, 2002932.	16.0	46
442	X-PEEM Study on Surface Orientation of Stylized and Rubbed Polyimides. Macromolecules, 1998, 31, 4957-4962.	4.9	45
443	Closed-Loop Phase Behavior of Polystyrene-block-poly(n-pentyl methacrylate) Copolymers with Various Block Length Ratios. Macromolecules, 2004, 37, 3717-3724.	4.9	45
444	Separating membrane and surface tension contributions in Pickering droplet deformation. Soft Matter, 2008, 4, 2259.	2.8	45
445	Transition Behavior of Block Copolymer Thin Films on Preferential Surfaces. Macromolecules, 2008, 41, 9140-9145.	4.9	45
446	Atomic Force Microscopy Nanomechanics Visualizes Molecular Diffusion and Microstructure at an Interface. ACS Macro Letters, 2013, 2, 757-760.	4.7	45
447	New Insights into Morphology of High Performance BHJ Photovoltaics Revealed by High Resolution AFM. Nano Letters, 2014, 14, 5727-5732.	9.2	45
448	Highly Crystalline Low Band Gap Polymer Based on Thieno[3,4-c]pyrrole-4,6-dione for High-Performance Polymer Solar Cells with a >400 nm Thick Active Layer. ACS Applied Materials & Interfaces, 2015, 7, 13666-13674.	8.1	45
449	Isomeric Effects of Solution Processed Ladderâ€Type Nonâ€Fullerene Electron Acceptors. Solar Rrl, 2017, 1, 1700107.	5.9	45
450	Energy-effectively printed all-polymer solar cells exceeding 8.61% efficiency. Nano Energy, 2018, 46, 428-435.	16.0	45

#	Article	IF	Citations
451	Evaluation of the Interaction Parameter for Poly(solketal methacrylate)-block-polystyrene Copolymers. Macromolecules, 2018, 51, 1031-1040.	4.9	45
452	Thickness Dependence of the Youngâ€™s Modulus of Polymer Thin Films. Macromolecules, 2018, 51, 6764-6770.	4.9	45
453	Phase separation in low molecular weight polymer mixtures. Macromolecules, 1985, 18, 78-83.	4.9	44
454	Free surfaces of polymer blends. II. Effects of molecular weight and applications to asymmetric polymer blends. Journal of Chemical Physics, 1993, 99, 4041-4050.	2.9	44
455	Self-Diffusion of Polystyrene in a CO2-Swollen Polystyrene Matrix:â€‰ A Real Time Study Using Neutron Reflectivity. Macromolecules, 2003, 36, 346-352.	4.9	44
456	Thin Films of Block Copolymers as Planar Optical Waveguides. Advanced Materials, 2005, 17, 2442-2446.	23.6	44
457	Controlling Orientation and Order in Block Copolymer Thin Films. Advanced Materials, 2008, 20, 4851-4856.	23.6	44
458	Visualization and Quantification of the Chemical and Physical Properties at a Diffusion-Induced Interface Using AFM Nanomechanical Mapping. Macromolecules, 2014, 47, 3761-3765.	4.9	44
459	Evaluation of Small Molecules as Front Cell Donor Materials for Highâ€Efficiency Tandem Solar Cells. Advanced Materials, 2016, 28, 7008-7012.	23.6	44
460	Grazing incidence prompt gamma emissions and resonance-enhanced neutron standing waves in a thin film. Physical Review Letters, 1994, 72, 3044-3047.	7.8	43
461	Capillary Filling of Anodized Alumina Nanopore Arrays. Physical Review Letters, 2006, 97, 175503.	7.8	43
462	Fabrication of Ordered Anodic Aluminum Oxide Using a Solventâ€Induced Array of Blockâ€Copolymer Micelles. Small, 2007, 3, 1869-1872.	10.9	43
463	Reaction: Polymer Chemistries Enabling Cradle-to-Cradle Life Cycles for Plastics. CheM, 2016, 1, 816-818.	11.8	43
464	Directed Self-Assembly of Block Copolymer Thin Films Using Minimal Topographic Patterns. ACS Nano, 2016, 10, 7915-7925.	14.9	43
465	Toward High Efficiency Polymer Solar Cells: Influence of Local Chemical Environment and Morphology. Advanced Energy Materials, 2017, 7, 1601081.	21.5	43
466	A low-bandgap dimeric porphyrin molecule for 10% efficiency solar cells with small photon energy loss. Journal of Materials Chemistry A, 2018, 6, 18469-18478.	10.3	43
467	Stable Confinement of Black Phosphorus Quantum Dots on Black Tin Oxide Nanotubes: A Robust, Doubleâ€Active Electrocatalyst toward Efficient Nitrogen Fixation. Angewandte Chemie, 2019, 131, 16591-16596.	2.1	43
468	Biobased Dynamic Polymer Networks with Rapid Stress Relaxation. ACS Sustainable Chemistry and Engineering, 2021, 9, 11091-11099.	6.7	43

#	Article	IF	Citations
469	Orientationally Registered Crystals in Thin Film Crystalline/Amorphous Block Copolymers. Macromolecules, 2001, 34, 2398-2399.	4.9	42
470	The Good Host: Formation of Discrete One-Dimensional Fullerene â€œChannelsâ€•in Well-Ordered Poly(2,5-bis(3-alkylthiophen-2-yl)thieno[3,2-b]thiophene) Oligomers. Journal of the American Chemical Society, 2014, 136, 18120-18130.	14.1	42
471	Demonstration of Feasibility of X-Ray Free Electron Laser Studies of Dynamics of Nanoparticles in Entangled Polymer Melts. Scientific Reports, 2014, 4, 6017.	3.4	42
472	Nanoscale structure and superhydrophobicity of sp²-bonded boron nitride aerogels. Nanoscale, 2015, 7, 10449-10458.	5.6	42
473	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. Nano Letters, 2018, 18, 2525-2529.	9.2	42
474	Conductive Composite Materials Fabricated from Microbially Produced Protein Nanowires. Small, 2018, 14, e1802624.	10.9	42
475	Unexpected Elasticity in Assemblies of Glassy Supraâ€Nanoparticle Clusters. Angewandte Chemie - International Edition, 2021, 60, 4894-4900.	14.2	42
476	Swelling behavior of an aromatic polyimide. Journal of Polymer Science, Part B: Polymer Physics, 1989, 27, 2131-2144.	2.4	41
477	Decomposition of 5-Nitro-2,4-dihydro-3H-1,2,4-triazol-3-one (NTO):â€‰ Energetics Associated with Several Proposed Initiation Routes. Journal of Physical Chemistry A, 1998, 102, 471-477.	2.5	41
478	Phase Behavior of Polystyrene and Poly(n-pentyl methacrylate) Blend. Macromolecules, 2002, 35, 8676-8680.	4.9	41
479	Early Stages in the Growth of Electric Field-Induced Surface Fluctuations. Macromolecules, 2005, 38, 4868-4873.	4.9	41
480	Synthesis and Microphase Separation of Poly(styrene-b-acrylonitrile) Prepared by Sequential Anionic and ATRP Techniques. Macromolecules, 2006, 39, 1766-1770.	4.9	41
481	Polymeric gate dielectric interlayer of cross-linkable poly(styrene-r-methylmethacrylate) copolymer for ferroelectric PVDF-TrFE field effect transistor memory. Organic Electronics, 2009, 10, 849-856.	2.7	41
482	Synthesis and photovoltaic properties of low-bandgap alternating copolymers consisting of 3-hexylthiophene and [1,2,5]thiadiazolo[3,4-g]quinoxaline derivatives. Organic Electronics, 2010, 11, 846-853.	2.7	41
483	Precise placements of metal nanoparticles from reversible block copolymer nanostructures. Journal of Materials Chemistry, 2010, 20, 5047.	6.7	41
484	Dual Functional Zwitterionic Fullerene Interlayer for Efficient Inverted Polymer Solar Cells. Advanced Energy Materials, 2015, 5, 1500405.	21.5	41
485	An in situ GISAXS study of selective solvent vapor annealing in thin block copolymer films: Symmetry breaking of inâ€plane sphere order upon deswelling. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 331-338.	2.4	41
486	Orientation transitions during the growth of imine covalent organic framework thin films. Journal of Materials Chemistry C, 2017, 5, 5090-5095.	5.4	41

#	Article	IF	Citations
487	A Concise Total Synthesis of (+)â€Waihoensene Guided by Quaternary Center Analysis. Angewandte Chemie - International Edition, 2020, 59, 13521-13525.	14.2	41
488	Solution-processed bulk heterojunction solar cells based on porphyrin small molecules with very low energy losses comparable to perovskite solar cells and high quantum efficiencies. Journal of Materials Chemistry C, 2016, 4, 3843-3850.	5.4	40
489	Germline bias dictates cross-serotype reactivity in a common dengue-virus-specific CD8+ T cell response. Nature Immunology, 2017, 18, 1228-1237.	13.6	40
490	Antiâ€inflammatory therapy with tumour necrosis factor inhibitors is associated with reduced risk of major adverse cardiovascular events in psoriasis. Journal of the European Academy of Dermatology and Venereology, 2018, 32, 1320-1326.	2.5	40
491	Intermolecular polarization transfer study of polymer blend compatibility. Journal of Polymer Science, Polymer Letters Edition, 1987, 25, 61-65.	0.7	39
492	Diffusion of homopolymers into nonequilibrium block copolymer structures. 1. Molecular weight dependence. Macromolecules, 1988, 21, 3266-3273.	4.9	39
493	Polyimide Nanofoams from Caprolactone-Based Copolymers. Macromolecules, 1996, 29, 3642-3646.	4.9	39
494	Selfâ€Assembled Electrical Contact to Nanoparticles Using Metallic Droplets. Small, 2009, 5, 1974-1977.	10.9	39
495	Efficient Charge Transport in Assemblies of Surfactantâ€Stabilized Semiconducting Nanoparticles. Advanced Materials, 2013, 25, 6411-6415.	23.6	39
496	Chirality in Block Copolymer Melts: Mesoscopic Helicity from Intersegment Twist. Physical Review Letters, 2013, 110, 058301.	7.8	39
497	Polyoxometalateâ€Surfactant Assemblies: Responsiveness to Orthogonal Stimuli. Angewandte Chemie - International Edition, 2022, 61, .	14.2	39
498	Contact of elastic solids with rough surfaces. Journal of Polymer Science, Part B: Polymer Physics, 2001, 39, 1848-1854.	2.4	38
499	Phase Behavior of a Weakly Interacting Block Copolymer by Temperature-Dependent FTIR Spectroscopy. Macromolecules, 2006, 39, 408-412.	4.9	38
500	Grain Rotation in Ion-Complexed Symmetric Diblock Copolymer Thin Films under an Electric Field. Macromolecules, 2006, 39, 8487-8491.	4.9	38
501	Orientationally Controlled Nanoporous Cylindrical Domains in Polystyrene-b-poly(ferrocenylethylmethylsilane) Block Copolymer Films. Macromolecules, 2007, 40, 3790-3796.	4.9	38
502	Effect of Nanoparticles on the Electrohydrodynamic Instabilities of Polymer/Nanoparticle Thin Films. Macromolecules, 2008, 41, 2722-2726.	4.9	38
503	Fabrication of Hierarchical Structures by Wetting Porous Templates with Polymer Microspheres. Langmuir, 2009, 25, 4331-4335.	3.6	38
504	Segmental dynamics of polymers during capillary flow into nanopores. Soft Matter, 2010, 6, 1111.	2.8	38

#	Article	IF	Citations
505	Fabrication of Coâ€continuous Nanostructured and Porous Polymer Membranes: Spinodal Decomposition of Homopolymer and Random Copolymer Blends. Angewandte Chemie - International Edition, 2012, 51, 4089-4094.	14.2	38
506	A route to rapid carbon nanotube growth. Chemical Communications, 2013, 49, 5159.	4.1	38
507	The Remarkable Character of Porphobilinogen Synthase. Accounts of Chemical Research, 2016, 49, 2509-2517.	15.7	38
508	Head-to-Head Linkage Containing Dialkoxybithiophene-Based Polymeric Semiconductors for Polymer Solar Cells with Large Open-Circuit Voltages. Macromolecules, 2017, 50, 137-150.	4.9	38
509	Role of Ionic Functional Groups on Ion Transport at Perovskite Interfaces. Advanced Energy Materials, 2017, 7, 1701235.	21.5	38
510	Configuration of grafted polystyrene chains in the melt: Temperature and concentration dependence. Physical Review Letters, 1992, 69, 776-779.	7.8	37
511	Using block copolymer architecture to achieve sub-10Ânm periods. Polymer, 2017, 121, 297-303.	3.8	37
512	Lowâ€Dimensional Contact Layers for Enhanced Perovskite Photodiodes. Advanced Functional Materials, 2020, 30, 2001692.	16.0	37
513	Enhancement of Diblock Copolymer Ordering Kinetics by Supercritical Carbon Dioxide Annealing. Macromolecules, 2001, 34, 7923-7925.	4.9	36
514	Size control and registration of nano-structured thin films by cross-linkable units. Soft Matter, 2008, 4, 475.	2.8	36
515	Ferritinâ€“Polymer Conjugates: Grafting Chemistry and Integration into Nanoscale Assemblies. Advanced Functional Materials, 2010, 20, 3603-3612.	16.0	36
516	Epoxy-polyhedral oligomeric silsesquioxanes (POSS) nanocomposite vitrimers with high strength, toughness, and efficient relaxation. Giant, 2020, 4, 100035.	5.2	36
517	An Optical Waveguide Study on the Nanopore Formation in Block Copolymer/Homopolymer Thin Films by Selective Solvent Swelling. Journal of Physical Chemistry B, 2006, 110, 15381-15388.	2.6	35
518	Circular Nanopatterns over Large Areas from the Self-Assembly of Block Copolymers Guided by Shallow Trenches. ACS Nano, 2011, 5, 2855-2860.	14.9	35
519	Nanoparticleâ€Stabilized Double Emulsions and Compressed Droplets. Angewandte Chemie - International Edition, 2012, 51, 145-149.	14.2	35
520	An electron-rich 2-alkylthieno[3,4-b]thiophene building block with excellent electronic and morphological tunability for high-performance small-molecule solar cells. Journal of Materials Chemistry A, 2016, 4, 17354-17362.	10.3	35
521	Phenylene-bridged perylenediimide-porphyrin acceptors for non-fullerene organic solar cells. Sustainable Energy and Fuels, 2018, 2, 2616-2624.	4.7	35
522	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. Angewandte Chemie - International Edition, 2019, 58, 12112-12116.	14.2	35

#	Article	IF	Citations
523	Polyimide Nanofoams For Low Dielectric Applications. Materials Research Society Symposia Proceedings, 1995, 381, 79.	0.1	34
524	High-temperature resistant, ordered gold nanoparticle arrays. Nanotechnology, 2006, 17, 2122-2126.	2.6	34
525	Preparation of Metallic Line Patterns from Functional Block Copolymers. Small, 2009, 5, 1343-1348.	10.9	34
526	Synthese von Nanoâ€/Mikrostrukturen an fluiden GrenzflÃchen. Angewandte Chemie, 2010, 122, 10250-10265.	2.1	34
527	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. Angewandte Chemie - International Edition, 2019, 58, 5677-5681.	14.2	34
528	Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2020, 59, 12751-12755.	14.2	34
529	3D Printing of Ultralow-Concentration 2D Nanomaterial Inks for Multifunctional Architectures. Nano Letters, 2023, 23, 155-162.	9.2	34
530	Templated nanostructured PSâ€bâ€PEO nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 2912-2917.	2.4	33
531	Optimizing Lightâ€Harvesting Polymers via Side Chain Engineering. Advanced Functional Materials, 2015, 25, 6458-6469.	16.0	33
532	Simultaneous spin-coating and solvent annealing: manipulating the active layer morphology to a power conversion efficiency of 9.6% in polymer solar cells. Materials Horizons, 2015, 2, 592-597.	12.4	33
533	Layerâ€byâ€Layer Engineered Allâ€Liquid Microfluidic Chips for Enzyme Immobilization. Advanced Materials, 2022, 34, e2105386.	23.6	33
534	Solvent and isomer effects on the imidization of pyromellitic dianhydride-oxydianiline-based poly(amic) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.8	32
535	Synthesis and characterization of bionanoparticleâ€”Silica composites and mesoporous silica with large pores. Nano Research, 2009, 2, 474-483.	10.3	32
536	Density Fluctuations and Phase Transitions of Ferroelectric Polymer Nanowires. Small, 2010, 6, 1822-1826.	10.9	32
537	Highly Ordered Nanoporous Template from Triblock Copolymer. ACS Nano, 2011, 5, 1207-1214.	14.9	32
538	Fabrication of Silicon Oxide Nanodots with an Areal Density Beyond 1 Teradots Inch^{â^'2}. Advanced Materials, 2011, 23, 5755-5761.	23.6	32
539	Controlled Orientation of Block Copolymers on Defectâ€Free Faceted Surfaces. Advanced Materials, 2012, 24, 4278-4283.	23.6	32
540	Systematic Fluorination of P3HT: Synthesis of P(3HT-co-3H4FT)s by Direct Arylation Polymerization, Characterization, and Device Performance in OPVs. Macromolecules, 2016, 49, 3028-3037.	4.9	32

#	Article	IF	Citations
541	Circularity in mixed-plastic chemical recycling enabled by variable rates of polydiketoenamine hydrolysis. Science Advances, 2022, 8, .	10.7	32
542	Short-Time Interdiffusion at Polymer Interfaces. Macromolecules, 1994, 27, 4407-4409.	4.9	31
543	Photocleavable Triblock Copolymers Featuring an Activated Ester Middle Block: â€œOne-Stepâ€•Synthesis and Application as Locally Reactive Nanoporous Thin Films. ACS Macro Letters, 2013, 2, 966-969.	4.7	31
544	Visualizing the Dynamics of Nanoparticles in Liquids by Scanning Electron Microscopy. ACS Nano, 2016, 10, 6257-6264.	14.9	31
545	Poroelastic indentation of mechanically confined hydrogel layers. Soft Matter, 2016, 12, 8049-8058.	2.8	31
546	Transition in Dynamics as Nanoparticles Jam at the Liquid/Liquid Interface. Nano Letters, 2017, 17, 6855-6862.	9.2	31
547	Confinement Effects on the Crystallization of Poly(3-hydroxybutyrate). Macromolecules, 2018, 51, 5732-5741.	4.9	31
548	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oilâ€“Water Interface. Langmuir, 2019, 35, 13340-13350.	3.6	31
549	Molecular Brush Surfactants: Versatile Emulsifiers for Stabilizing and Structuring Liquids. Angewandte Chemie - International Edition, 2021, 60, 19626-19630.	14.2	31
550	X-ray studies on the deformation of an aromatic polyimide. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 1129-1148.	2.4	30
551	A Simple Topâ€Down/Bottomâ€Up Approach to Sectored, Ordered Arrays of Nanoscopic Elements Using Block Copolymers. Small, 2009, 5, 1064-1069.	10.9	30
552	Lamellar microdomain orientation and phase transition of polystyrene-b-poly(methyl methacrylate) films by controlled interfacial interactions. Soft Matter, 2012, 8, 3463.	2.8	30
553	Solventâ€Polarityâ€Induced Active Layer Morphology Control in Crystalline Diketopyrrolopyrroleâ€Based Low Band Gap Polymer Photovoltaics. Advanced Energy Materials, 2014, 4, 1300834.	21.5	30
554	Nanomechanical Mapping of a Deformed Elastomer: Visualizing a Self-Reinforcement Mechanism. ACS Macro Letters, 2016, 5, 839-843.	4.7	30
555	Carboxylated Fullerene at the Oil/Water Interface. ACS Applied Materials & Interfaces, 2017, 9, 34389-34395.	8.1	30
556	Nanoparticle surfactants and structured liquids. Colloid and Polymer Science, 2021, 299, 523-536.	2.1	30
557	Gated Molecular Diffusion at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2021, 60, 17394-17397.	14.2	30
558	Concerning voids in polyimide. Polymer Engineering and Science, 1984, 24, 345-349.	3.1	29

#	Article	IF	Citations
559	Microphase separation transition of a triblock copolymer. Macromolecules, 1990, 23, 877-881.	4.9	29
560	Adsorption of copolymer chains from a melt onto a flat surface. Macromolecules, 1992, 25, 783-787.	4.9	29
561	Nanostructures and the proximity effect. Journal Physics D: Applied Physics, 2002, 35, 2398-2402.	2.9	29
562	Self-Assembly and Cross-Linking of Bionanoparticles at Liquid-Liquid Interfaces. Angewandte Chemie, 2005, 117, 2472-2478.	2.1	29
563	Guided Assemblies of Ferritin Nanocages: Highly Ordered Arrays of Monodisperse Nanoscopic Elements. Advanced Materials, 2010, 22, 2583-2587.	23.6	29
564	Transition behavior of PS-b-PMMA films on the balanced interfacial interactions. Polymer, 2010, 51, 6313-6318.	3.8	29
565	Orienting Block Copolymer Microdomains with Block Copolymer Brushes. ACS Nano, 2012, 6, 10250-10257.	14.9	29
566	Multiâ€Length Scale Porous Polymers. Advanced Functional Materials, 2014, 24, 1483-1489.	16.0	29
567	High-efficiency quaternary polymer solar cells enabled with binary fullerene additives to reduce nonfullerene acceptor optical band gap and improve carriers transport. Science China Chemistry, 2018, 61, 1609-1618.	8.5	29
568	Interfacial Activity of Amineâ€Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. Angewandte Chemie - International Edition, 2019, 58, 10142-10147.	14.2	29
569	Using Preformed Meisenheimer Complexes as Dopants for nâ€Type Organic Thermoelectrics with High Seebeck Coefficients and Power Factors. Advanced Functional Materials, 2021, 31, 2010567.	16.0	29
570	Order-disorder transitions in mixtures of homopolymers with diblock copolymers. Macromolecules, 1989, 22, 3388-3394.	4.9	28
571	Role of Alâ€“O2 chemistry in the laser-induced vaporization of Al films in air. Journal of Chemical Physics, 1999, 111, 445-448.	2.9	28
572	Complex Phase Behavior of a Weakly Interacting Binary Polymer Blend. Macromolecules, 2004, 37, 5851-5855.	4.9	28
573	Controlled Structure in Artificial Protein Hydrogels. Macromolecules, 2005, 38, 7470-7475.	4.9	28
574	Selfâ€assembly of metalloâ€supramolecular block copolymers in thin films. Journal of Polymer Science Part A, 2008, 46, 4719-4724.	2.4	28
575	High-Performance Perovskite Solar Cells with a Non-doped Small Molecule Hole Transporting Layer. ACS Applied Energy Materials, 2019, 2, 1634-1641.	5.2	28
576	Reconfigurable Liquids Stabilized by DNA Surfactants. ACS Applied Materials & Interfaces, 2020, 12, 13551-13557.	8.1	28

#	Article	IF	Citations
577	Macro- vs microphase separation in copolymer/homopolymer mixtures. Macromolecules, 1993, 26, 2860-2865.	4.9	27
578	Small-Angle Neutron Scattering from Deuterated Polystyrene/Poly(butyl methacrylate) Homopolymer Blend Mixtures. Macromolecules, 1994, 27, 2357-2359.	4.9	27
579	Controlled Adsorption of End-Functionalized Polystyrene to Silicon-Supported Tris(trimethylsiloxy)silyl Monolayers. Langmuir, 2001, 17, 6547-6552.	3.6	27
580	Fibroblast adhesion to micro- and nano-heterogeneous topography using diblock copolymers and homopolymers. Journal of Biomedical Materials Research - Part A, 2004, 71A, 462-469.	4.0	27
581	Connecting quantum dots and bionanoparticles in hybrid nanoscale ultra-thin films. Soft Matter, 2009, 5, 1048.	2.8	27
582	Phase transition behavior in thin films of block copolymers by use of immiscible solvent vapors. Soft Matter, 2011, 7, 443-447.	2.8	27
583	Pendant Chain Effect on the Synthesis, Characterization, and Structureâ€“Property Relations of Poly(di-n-alkyl itaconate-co-isoprene) Biobased Elastomers. ACS Sustainable Chemistry and Engineering, 2017, 5, 5214-5223.	6.7	27
584	Two-Step Chemical Transformation of Polystyrene-block-poly(solketal acrylate) Copolymers for Increasing Ï‡. Macromolecules, 2019, 52, 6458-6466.	4.9	27
585	Hanging droplets from liquid surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8360-8365.	7.4	27
586	Hostâ€“Guest Molecular Recognition at Liquidâ€“Liquid Interfaces. Engineering, 2021, 7, 603-614.	7.2	27
587	Monte Carlo simulations of the free surface of polymer melts. Chemical Engineering Science, 1994, 49, 2899-2906.	3.9	26
588	Small Angle Neutron Scattering Studies on Ultrathin Films. Macromolecules, 1995, 28, 787-789.	4.9	26
589	Block copolymers as nanoscopic templates. Macromolecular Symposia, 2000, 159, 77-88.	0.7	26
590	Photolysis of Compressed Sodium Azide (NaN3) as a Synthetic Pathway to Nitrogen Materials. Journal of Physical Chemistry A, 2003, 107, 944-947.	2.5	26
591	Dewetting on Curved Interfaces: A Simple Route to Polymer Nanostructures. Macromolecules, 2011, 44, 8020-8027.	4.9	26
592	A drop on a floating sheet: boundary conditions, topography and formation of wrinkles. Soft Matter, 2013, 9, 8289.	2.8	26
593	Migration From PLC to IEC 61499 Using Semantic Web Technologies. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 277-291.	9.6	26
594	Leadership education, certification and resident outcomes in US nursing homes: Cross-sectional secondary data analysis. International Journal of Nursing Studies, 2015, 52, 334-344.	5.8	26

#	Article	IF	Citations
595	Efficient and thermally stable all-polymer solar cells based on a fluorinated wide-bandgap polymer donor with high crystallinity. Journal of Materials Chemistry A, 2018, 6, 16403-16411.	10.3	26
596	Guiding kinetic trajectories between jammed and unjammed states in 2D colloidal nanocrystal-polymer assemblies with zwitterionic ligands. Science Advances, 2018, 4, eaap8045.	10.7	26
597	Polymers with advanced architectures as emulsifiers for multi-functional emulsions. Materials Chemistry Frontiers, 2021, 5, 1205-1220.	5.8	26
598	The Assembly and Jamming of Nanoparticle Surfactants at Liquidâ€“Liquid Interfaces. Angewandte Chemie - International Edition, 2022, 61, .	14.2	26
599	Structural modifications in hydroxy ether-dimethyldiphenylsiloxane copolymers. Macromolecules, 1989, 22, 4470-4477.	4.9	25
600	Pulse electrodeposition and electrochemical quartz crystal microbalance techniques for high perpendicular magnetic anisotropy cobalt nanowire arrays. Journal of Applied Physics, 2005, 97, 10J322.	2.3	25
601	Selfâ€Assembly of Block Copolymers on Flexible Substrates. Advanced Materials, 2010, 22, 1882-1884.	23.6	25
602	An Explicit Formula for the Coefficients in Laplaceâ€™s Method. Constructive Approximation, 2013, 38, 471-487.	2.9	25
603	Observation of dynamical heterogeneities and their time evolution on the surface of an amorphous polymer. Soft Matter, 2015, 11, 1425-1433.	2.8	25
604	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing Iâ€conjugated heterocyclic bridging moieties. Journal of Materials Chemistry C, 2016, 4, 7230-7240.	5.4	25
605	Absence of redshift in the direct bandgap of silicon nanocrystals with reduced size. Nature Nanotechnology, 2017, 12, 930-932.	29.6	25
606	Bayesian network metaâ€analysis: Efficacy of air insufflation, CO₂ insufflation, water exchange, and water immersion in colonoscopy. Digestive Endoscopy, 2018, 30, 321-331.	3.1	25
607	Adaptive Structured Pickering Emulsions and Porous Materials Based on Cellulose Nanocrystal Surfactants. Angewandte Chemie, 2018, 130, 13748-13752.	2.1	25
608	Rapid Multilevel Compartmentalization of Stable All-Aqueous Blastosomes by Interfacial Aqueous-Phase Separation. ACS Nano, 2020, 14, 11215-11224.	14.9	25
609	Financial inclusion through digitalisation: Economic viability for the bottom of the pyramid (BOP) segment. Journal of Business Research, 2022, 148, 262-276.	10.4	25
610	Rutherford backscattering spectrometry studies of iodine diffusion in polyimide. Journal of Polymer Science, Part B: Polymer Physics, 1986, 24, 263-277.	2.4	24
611	Concentration fluctuations in mixtures of linear and star-shaped polymers. Macromolecules, 1990, 23, 654-659.	4.9	24
612	Influence of Interfacial Energy on Electric-Field-Induced Sphere-to-Cylinder Transition in Block Copolymer Thin Films. Macromolecules, 2008, 41, 7227-7231.	4.9	24

#	Article	IF	Citations
613	Amorphous Diblock Copolymers with a High Organometallic Block Volume Fraction: Synthesis, Characterization and Self-Assembly of Polystyrene-block-Poly(ferrocenylethylmethylsilane) in the Bulk State. Macromolecules, 2008, 41, 9474-9479.	4.9	24
614	Morphologies of ABC Triblock Terpolymer Melts Containing Poly(Cyclohexadiene): Effects of Conformational Asymmetry. Langmuir, 2013, 29, 1995-2006.	3.6	24
615	Synthesis of Semicrystalline/Fluorinated Side-Chain Crystalline Block Copolymers and Their Bulk and Thin Film Nanoordering. Macromolecules, 2013, 46, 3737-3745.	4.9	24
616	Effect of Pendant Functionality in Thieno[3,4-b]thiophene-alt-benzodithiophene Polymers for OPVs. Chemistry of Materials, 2015, 27, 443-449.	6.8	24
617	Hydrophilic Conjugated Polymers Prepared by Aqueous Hornerâ€“Wadsworthâ€“Emmons Coupling. Macromolecules, 2016, 49, 2526-2532.	4.9	24
618	Low band-gap conjugated polymer based on diketopyrrolopyrrole units and its application in organic photovoltaic cells. Journal of Materials Chemistry A, 2017, 5, 10416-10423.	10.3	24
619	Geometry-Driven Folding of a Floating Annular Sheet. Physical Review Letters, 2017, 118, 048004.	7.8	24
620	Nanomechanical Imaging of the Diffusion of Fullerene into Conjugated Polymer. ACS Nano, 2017, 11, 8660-8667.	14.9	24
621	Morphological Behavior of A₂B Block Copolymers in Thin Films. Macromolecules, 2018, 51, 1181-1188.	4.9	24
622	Nanorodâ€“Surfactant Assemblies and Their Interfacial Behavior at Liquidâ€“Liquid Interfaces. ACS Macro Letters, 2019, 8, 512-518.	4.7	24
623	Visualizing Interfacial Jamming Using an Aggregationâ€Inducedâ€Emission Molecular Reporter. Angewandte Chemie - International Edition, 2021, 60, 8694-8699.	14.2	24
624	Small-angle x-ray and neutron scattering studies of amorphous polymer blends. Journal of Polymer Science, Polymer Physics Edition, 1982, 20, 1593-1607.	1.0	23
625	Conformation of Grafted Polystyrene Chains in a Melt. Europhysics Letters, 1991, 15, 725-730.	2.0	23
626	The one that got away. Nature, 1997, 386, 771-772.	35.3	23
627	Selective growth of Ge islands on nanometer-scale patterned SiO2âˆ•Si substrate by molecular beam epitaxy. Applied Physics Letters, 2006, 89, 063107.	3.2	23
628	Disorder-to-Order Transition of Diblock Copolymers Induced by Alkyne/Azide Click Chemistry. Macromolecules, 2010, 43, 6234-6236.	4.9	23
629	Photocontrol over the Disorder-to-Order Transition in Thin Films of Polystyrene-block-poly(methyl methacrylate) Block Copolymers Containing Photodimerizable Anthracene Functionality. Journal of the American Chemical Society, 2011, 133, 17217-17224.	14.1	23
630	Aligned nanowires and nanodots by directed block copolymer assembly. Nanotechnology, 2011, 22, 305302.	2.6	23

#	Article	IF	Citations
631	Orientational interactions in block copolymer melts: Self-consistent field theory. Journal of Chemical Physics, 2012, 137, 104911.	2.9	23
632	Solventâ€Assisted Directed Selfâ€Assembly of Spherical Microdomain Block Copolymers to High Areal Density Arrays. Advanced Materials, 2013, 25, 3677-3682.	23.6	23
633	Triggered Inâ€…situ Disruption and Inversion of Nanoparticleâ€Stabilized Droplets. Angewandte Chemie - International Edition, 2013, 52, 6620-6623.	14.2	23
634	Bulk Charge Carrier Transport in Pushâ€“Pull Type Organic Semiconductor. ACS Applied Materials & Interfaces, 2014, 6, 20904-20912.	8.1	23
635	Preparation of Low Band Gap Fibrillar Structures by Solvent-Induced Crystallization. ACS Macro Letters, 2014, 3, 30-34.	4.7	23
636	AFM nanomechanical mapping and nanothermal analysis reveal enhanced crystallization at the surface of a semicrystalline polymer. Polymer, 2018, 146, 188-195.	3.8	23
637	Free surfaces of polymer blends. I. Theoretical framework and application to symmetric polymer blends. Journal of Chemical Physics, 1993, 98, 6516-6525.	2.9	22
638	Solvent Penetration into Ordered Thin Films of Diblock Copolymers. Macromolecules, 1995, 28, 1470-1474.	4.9	22
639	Free Structure Confinement of Diblock Copolymer Multilayers. Macromolecules, 1995, 28, 8092-8095.	4.9	22
640	High-Resolution Profiling of the Polyimideâ^'Polyimide Interface. Macromolecules, 1996, 29, 6880-6891.	4.9	22
641	Fabrication of a Gradient Heterogeneous Surface Using Homopolymers and Diblock Copolymers. Langmuir, 2004, 20, 5952-5957.	3.6	22
642	Sizing Nanoparticle-Covered Droplets by Extrusion through Track-Etch Membranes. Langmuir, 2007, 23, 965-969.	3.6	22
643	Spatial control of dewetting: Highly ordered Teflon nanospheres. Journal of Colloid and Interface Science, 2010, 348, 416-423.	9.5	22
644	Self-Assembly of Gold Nanoparticles on Gallium Droplets: Controlling Charge Transport through Microscopic Devices. Langmuir, 2013, 29, 13640-13646.	3.6	22
645	Tuning the energy gap of conjugated polymer zwitterions for efficient interlayers and solar cells. Journal of Polymer Science Part A, 2015, 53, 327-336.	2.4	22
646	All polymer solar cells with diketopyrrolopyrrole-polymers as electron donor and a naphthalenediimide-polymer as electron acceptor. RSC Advances, 2016, 6, 35677-35683.	3.7	22
647	Synergistic Effects of Sideâ€Chain Engineering and Fluorination on Small Molecule Acceptors to Simultaneously Broaden Spectral Response and Minimize Voltage Loss for 13.8% Efficiency Organic Solar Cells. Solar Rrl, 2019, 3, 1900169.	5.9	22
648	Manipulating the Crystallization Kinetics by Additive Engineering toward Highâ€Efficient Photovoltaic Performance. Advanced Functional Materials, 2021, 31, 2009103.	16.0	22

#	Article	IF	Citations
649	Responsive Interfacial Assemblies Based on Chargeâ€Transfer Interactions. Angewandte Chemie - International Edition, 2021, 60, 26363-26367.	14.2	22
650	Effect of ionic impurities on the electric field alignment of diblock copolymer thin films. Colloid and Polymer Science, 2004, 282, 927-931.	2.1	21
651	Lamellae Orientation in Block Copolymer Films with Ionic Complexes. Langmuir, 2008, 24, 3545-3550.	3.6	21
652	Efficient and 1,8-diiodooctane-free ternary organic solar cells fabricated via nanoscale morphology tuning using small-molecule dye additive. Nano Research, 2017, 10, 3765-3774.	10.3	21
653	Coassembly Kinetics of Graphene Oxide and Block Copolymers at the Water/Oil Interface. Langmuir, 2017, 33, 8961-8969.	3.6	21
654	Configurationally Constrained Crystallization of Brush Polymers with Poly(ethylene oxide) Side Chains. Macromolecules, 2019, 52, 592-600.	4.9	21
655	Morphological Evolution of Poly(solketal methacrylate)-block-polystyrene Copolymers in Thin Films. Macromolecules, 2019, 52, 3592-3600.	4.9	21
656	In Situ Structure Characterization in Slotâ€Dieâ€Printed Allâ€Polymer Solar Cells with Efficiency Over 9%. Solar Rrl, 2019, 3, 1900032.	5.9	21
657	Assessing Pair Interaction Potentials of Nanoparticles on Liquid Interfaces. ACS Nano, 2019, 13, 3075-3082.	14.9	21
658	Understanding Hole Extraction of Inverted Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 56068-56075.	8.1	21
659	Genetic Association of a Gainâ€ofâ€Function IFNGR1 Polymorphism and the Intergenic Region LNCAROD/DKK1 With BehÃ§etâ€™s Disease. Arthritis and Rheumatology, 2021, 73, 1244-1252.	6.6	21
660	Conductive Ionenes Promote Interfacial Self-Doping for Efficient Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 41810-41817.	8.1	21
661	Electroactive Ionenes: Efficient Interlayer Materials in Organic Photovoltaics. Accounts of Chemical Research, 2022, 55, 1097-1108.	15.7	21
662	Rheooptical investigation of the transition behavior of polyphosphazenes. Macromolecules, 1984, 17, 1795-1799.	4.9	20
663	Hairpin configurations of triblock copolymers at homopolymer interfaces. Macromolecules, 1992, 25, 5783-5789.	4.9	20
664	Nanofoam porosity by infrared spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 253-257.	2.4	20
665	Interphase Mixing in Symmetric Diblock Copolymers Determined by Protonâ^'Deuterium CP/MAS NMR. Macromolecules, 1996, 29, 2201-2204.	4.9	20
666	Teflon and Teflon/Al (nanocrystalline) decomposition chemistry at high pressures. AIP Conference Proceedings, 2000, , .	0.2	20

#	Article	IF	Citations
667	Morphological Study on an Azobenzene-Containing Liquid Crystalline Diblock Copolymer. Macromolecules, 2008, 41, 1897-1900.	4.9	20
668	Macroscopic Vertical Alignment of Nanodomains in Thin Films of Semiconductor Amphiphilic Block Copolymers. ACS Nano, 2013, 7, 6069-6078.	14.9	20
669	Large active layer thickness toleration of high-efficiency small molecule solar cells. Journal of Materials Chemistry A, 2015, 3, 22274-22279.	10.3	20
670	1,3-Bis(thieno[3,4-b]thiophen-6-yl)-4H-thieno[3,4-c]pyrrole-4,6(5H)-dione-Based Small-Molecule Donor for Efficient Solution-Processed Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 6213-6219.	8.1	20
671	Vapor-induced motion of two pure liquid droplets. Soft Matter, 2019, 15, 2135-2139.	2.8	20
672	Enhanced Charge Carrier Transport in 2D Perovskites by Incorporating Single-Walled Carbon Nanotubes or Graphene. ACS Energy Letters, 2020, 5, 109-116.	17.8	20
673	Reviewâ€"Opportunities in Single Event Effects in Radiation-Exposed SiC and GaN Power Electronics. ECS Journal of Solid State Science and Technology, 2021, 10, 075004.	1.8	20
674	Bottlebrush Polymers at Liquid Interfaces: Assembly Dynamics, Mechanical Properties, and All-Liquid Printed Constructs. ACS Nano, 2023, 17, 14731-14741.	14.9	20
675	Temperature dependence of tracer diffusion of homopolymers into nonequilibrium diblock copolymer structures. Macromolecules, 1989, 22, 908-913.	4.9	19
676	Simple Fabrication of Micropatterned Mesoporous Silica Films Using Photoacid Generators in Block Copolymers. Chemistry of Materials, 2008, 20, 604-606.	6.8	19
677	Curie Transitions for Attograms of Ferroelectric Polymers. Nano Letters, 2013, 13, 577-580.	9.2	19
678	Line Patterns from Cylinderâ€Forming Photocleavable Block Copolymers. Advanced Materials, 2013, 25, 4690-4695.	23.6	19
679	Solvent vapor annealing of block copolymer thin films: removal of processing history. Colloid and Polymer Science, 2014, 292, 1795-1802.	2.1	19
680	Dynamic study of polystyrene-block-poly(4-vinylpyridine) copolymer in bulk and confined in cylindrical nanopores. Polymer, 2014, 55, 4057-4066.	3.8	19
681	Bulk and Surface Morphologies of ABC Miktoarm Star Terpolymers Composed of PDMS, PI, and PMMA Arms. Macromolecules, 2018, 51, 1041-1051.	4.9	19
682	Contrasting Chemistry of Block Copolymer Films Controls the Dynamics of Protein Self-Assembly at the Nanoscale. ACS Nano, 2019, 13, 4018-4027.	14.9	19
683	Stabilizing Aqueous Three-Dimensional Printed Constructs Using Chitosan-Cellulose Nanocrystal Assemblies. ACS Applied Materials & Interfaces, 2020, 12, 55426-55433.	8.1	19
684	Reduction of Ï€â€Expanded Cyclooctatetraene with Lithium: Stabilization of the Tetraâ€Anion through Internal Li⁺ Coordination. Angewandte Chemie - International Edition, 2021, 60, 3510-3514.	14.2	19

#	Article	IF	Citations
685	The Assembly and Jamming of Nanoparticle Surfactants at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2022, 134, .	2.1	19
686	Shape-Reconfigurable Ferrofluids. Nano Letters, 2022, 22, 5538-5543.	9.2	19
687	An absolute intensity standard for small-angle X-ray scattering measured with position-sensitive detectors. Journal of Applied Crystallography, 1983, 16, 473-478.	4.6	18
688	Synthesis and properties of segmented and block poly(hydroxyether-siloxane) copolymers. Macromolecules, 1988, 21, 1967-1977.	4.9	18
689	Closed-Loop Phase Behavior for Weakly Interacting Block Copolymers. Macromolecules, 2006, 39, 5926-5930.	4.9	18
690	Polymers Find Plenty of Wiggle Room at the Bottom. Science, 2013, 341, 1351-1352.	19.6	18
691	A novel complementary absorbing donorâ€“acceptor pair in block copolymers based on single material organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 2993-2998.	10.3	18
692	Rapid, facile synthesis of conjugated polymer zwitterions in ionic liquids. Chemical Science, 2014, 5, 2368-2373.	7.5	18
693	Dynamics of Cadmium Sulfide Nanoparticles within Polystyrene Melts. Macromolecules, 2014, 47, 6483-6490.	4.9	18
694	Synthesis of fluorinated diphenyl-diketopyrrolopyrrole derivatives as new building blocks for conjugated copolymers. Polymer Chemistry, 2016, 7, 3311-3324.	3.9	18
695	Understanding the Morphology of High-Performance Solar Cells Based on a Low-Cost Polymer Donor. ACS Applied Materials & Interfaces, 2020, 12, 9537-9544.	8.1	18
696	Stresses in thin sheets at fluid interfaces. Nature Materials, 2020, 19, 690-693.	25.8	18
697	Reconfiguration and Reorganization of Bottlebrush Polymer Surfactants. Angewandte Chemie - International Edition, 2022, 61, .	14.2	18
698	Thermodynamics of phase separation in polymer mixtures. Macromolecules, 1985, 18, 665-670.	4.9	17
699	Small-Angle Neutron Scattering Studies on Thin Films of Isotopic Polystyrene Blends. Macromolecules, 1998, 31, 9247-9252.	4.9	17
700	Controlling Orientation and Functionalization in Thin Films of Block Copolymers. Macromolecular Rapid Communications, 2009, 30, 1674-1678.	4.3	17
701	Phase Behavior and Photoresponse of Azobenzene-Containing Polystyrene-block-poly(n-butyl methacrylate) Block Copolymers. Macromolecules, 2011, 44, 1125-1131.	4.9	17
702	Direct 3â€Ð Nanoparticle Assemblies in Thin Films via Topographically Patterned Surfaces. Advanced Materials, 2014, 26, 2777-2781.	23.6	17

#	Article	IF	Citations
703	Ethynylene-linked benzo[1,2-b:4,5-bâ€²]dithiophene-alt-diketopyrrolopyrrole alternating copolymer: optoelectronic properties, film morphology and photovoltaic applications. Journal of Materials Chemistry A, 2015, 3, 12972-12981.	10.3	17
704	A Dynamic Programming Trackâ€Beforeâ€Detect Algorithm Based on Local Linearization for Nonâ€Gaussian Clutter Background. Chinese Journal of Electronics, 2016, 25, 583-590.	1.6	17
705	A hemocompatible polyurethane surface having dual fibrinolytic and nitric oxide generating functions. Journal of Materials Chemistry B, 2017, 5, 980-987.	5.8	17
706	Macroscopically ordered hexagonal arrays by directed self-assembly of block copolymers with minimal topographic patterns. Nanoscale, 2017, 9, 14888-14896.	5.6	17
707	Ternary non-fullerene polymer solar cells with a high crystallinity n-type organic semiconductor as the second acceptor. Journal of Materials Chemistry A, 2018, 6, 24814-24822.	10.3	17
708	Efficient Electron Mobility in an All-Acceptor Napthalenediimide-Bithiazole Polymer Semiconductor with Large Backbone Torsion. ACS Applied Materials & Interfaces, 2018, 10, 40070-40077.	8.1	17
709	Fullereneâ€Based Interlayers for Breaking Energy Barriers in Organic Solar Cells. ChemPlusChem, 2020, 85, 751-759.	3.0	17
710	Ferromagnetic liquid droplets with adjustable magnetic properties. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.4	17
711	Nanoparticle/Polyelectrolyte Complexes for Biomimetic Constructs. Advanced Functional Materials, 2022, 32, 2108895.	16.0	17
712	Continuous, autonomous subsurface cargo shuttling by nature-inspired meniscus-climbing systems. Nature Chemistry, 2022, 14, 208-215.	13.7	17
713	Structured-Liquid Batteries. Journal of the American Chemical Society, 2022, 144, 3979-3988.	14.1	17
714	Batch-Reproducible and Thickness-Insensitive Mesopolymer Zwitterion Interlayers for Organic Solar Cells. ACS Energy Letters, 2023, 8, 2689-2698.	17.8	17
715	Small-angle x-ray scattering and pulsed NMR studies of polyurethane interpenetrating polymer networks. Macromolecules, 1993, 26, 1922-1929.	4.9	16
716	Symmetric-to-Asymmetric Transition in Triblock Copolymer-Homopolymer Blends. Physical Review Letters, 2004, 93, 145701.	7.8	16
717	Arrays of ultrasmall metal rings. Nanotechnology, 2008, 19, 245305.	2.6	16
718	Fabrication and field emission study of atomically sharp high-density tungsten nanotip arrays. Journal of Applied Physics, 2010, 108, 036102.	2.3	16
719	Applying the heteroatom effect of chalcogen for high-performance small-molecule solar cells. Journal of Materials Chemistry A, 2017, 5, 3425-3433.	10.3	16
720	Directed Self-Assembly of Asymmetric Block Copolymers in Thin Films Driven by Uniaxially Aligned Topographic Patterns. ACS Nano, 2018, 12, 1642-1649.	14.9	16

#	Article	IF	Citations
721	Modulation of the power conversion efficiency of organic solar cells via architectural variation of a promising non-fullerene acceptor. Journal of Materials Chemistry A, 2018, 6, 574-582.	10.3	16
722	Overcoming the morphological and efficiency limit in all-polymer solar cells by designing conjugated random copolymers containing a naphtho[1,2-c:5,6-câ€²]bis([1,2,5]thiadiazole)] moiety. Journal of Materials Chemistry A, 2018, 6, 23295-23300.	10.3	16
723	Improving the efficiencies of small molecule solar cells by solvent vapor annealing to enhance J-aggregation. Journal of Materials Chemistry C, 2019, 7, 9618-9624.	5.4	16
724	Probing the structural evolution in deformed isoprene rubber by in situ synchrotron X-ray diffraction and atomic force microscopy. Polymer, 2019, 185, 121926.	3.8	16
725	Interfacial Broadening Kinetics between a Network and a Linear Polymer and Their Composites Prepared by Melt Blending. Macromolecules, 2019, 52, 9759-9765.	4.9	16
726	Manipulating Film Morphology of Allâ€Polymer Solar Cells by Incorporating Polymer Compatibilizer. Solar Rrl, 2020, 4, 2000148.	5.9	16
727	Nanoscopic Templates from Oriented Block Copolymer Films. Advanced Materials, 2000, 12, 787-791.	23.6	16
728	Interfacial Assembly of Graphene Oxide: From Super Elastic Interfaces to Liquidâ€inâ€Liquid Printing. Advanced Materials Interfaces, 2022, 9, .	4.0	16
729	Reconfigurable Liquids Constructed by Pillar[6]areneâ€Based Nanoparticle Surfactants. Angewandte Chemie - International Edition, 2022, 61, .	14.2	16
730	Scattering studies from polymer blends. Journal of Macromolecular Science - Physics, 1980, 17, 617-624.	1.0	15
731	A high pressure optical cell utilizing single crystal cubic zirconia anvil windows. Review of Scientific Instruments, 1997, 68, 1835-1840.	1.4	15
732	All-optical technique for measuring thermal properties of materials at static high pressure. Review of Scientific Instruments, 2000, 71, 3846.	1.4	15
733	Aspects of electrohydrodynamic instabilities at polymer interfaces. Fibers and Polymers, 2003, 4, 1-7.	2.1	15
734	Influence of Carbon Dioxide Swelling on the Closed-Loop Phase Behavior of Block Copolymers. Macromolecules, 2006, 39, 6580-6583.	4.9	15
735	Solvent mediated assembly of nanoparticles confined in mesoporous alumina. Physical Review B, 2006, 73, .	3.2	15
736	Orthogonally Aligned Block Copolymer Line Patterns on Minimal Topographic Patterns. ACS Applied Materials & Interfaces, 2018, 10, 8324-8332.	8.1	15
737	Improved photocurrent and efficiency of non-fullerene organic solar cells despite higher charge recombination. Journal of Materials Chemistry A, 2018, 6, 957-962.	10.3	15
738	One-Dimensional Anomalous Diffusion of Gold Nanoparticles in a Polymer Melt. Physical Review Letters, 2019, 122, 107802.	7.8	15

#	Article	IF	Citations
739	Self-Assembly Behavior of PS-b-P2VP Block Copolymers and Carbon Quantum Dots at Water/Oil Interfaces. Macromolecules, 2020, 53, 10981-10987.	4.9	15
740	Naphthaleneâ€Diimideâ€Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. Angewandte Chemie, 2020, 132, 18288-18292.	2.1	15
741	Surfactantâ€Induced Interfacial Aggregation of Porphyrins for Structuring Colorâ€Tunable Liquids. Angewandte Chemie - International Edition, 2021, 60, 2871-2876.	14.2	15
742	Size-Dependent Interfacial Assembly of Graphene Oxide at Waterâ€“Oil Interfaces. Journal of Physical Chemistry B, 2020, 124, 4835-4842.	2.6	15
743	Functional Janus structured liquids and aerogels. Nature Communications, 2023, 14, .	12.8	15
744	Reactions of Benzotriazolo[2,1-a]benzotriazole Derivatives. 2. An Unusual Hydrolysisâ^'Oxidation Reaction. Journal of Organic Chemistry, 1996, 61, 1898-1900.	3.2	14
745	Transmission electron microscopy of 3F/PMDA-polypropylene oxide triblock copolymer based nanofoams. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1067-1076.	2.4	14
746	Surface Patterning. Methods in Cell Biology, 2007, 83, 67-87.	2.0	14
747	Dualâ€Tone Patterned Mesoporous Silicate Films Templated From Chemically Amplified Block Copolymers. Advanced Functional Materials, 2009, 19, 2728-2734.	16.0	14
748	Preparation of 1 inch goldnanowires from PS-b-P4VP block copolymers. Journal of Materials Chemistry, 2010, 20, 1198-1202.	6.7	14
749	High Density and Large Area Arrays of Silicon Oxide Pillars with Tunable Domain Size for Mask Etch Applications. Advanced Materials, 2012, 24, 5505-5511.	23.6	14
750	Formation of H* Phase in Chiral Block Copolymers: Effects of Solvents and Solution-Cast Conditions. Macromolecules, 2013, 46, 455-462.	4.9	14
751	Formation of H* Phase in Chiral Block Copolymers: Morphology Evolution As Revealed by Time-Resolved X-ray Scattering. Macromolecules, 2013, 46, 474-483.	4.9	14
752	Practice requirements for psychotherapeutic treatment of cancer patients in the outpatient settingâ€”A survey among certified psychotherapists in Germany. Psycho-Oncology, 2017, 26, 1093-1098.	2.5	14
753	Studies on the 3-Lamellar Morphology of Miktoarm Terpolymers. Macromolecules, 2018, 51, 7491-7499.	4.9	14
754	Effects of delayed particle detachment on injectivity decline due to fines migration. Journal of Hydrology, 2018, 564, 1099-1109.	5.5	14
755	Selfâ€Assembly of MXeneâ€Surfactants at Liquidâ€“Liquid Interfaces: From Structured Liquids to 3D Aerogels. Angewandte Chemie, 2019, 131, 18339-18344.	2.1	14
756	Bifunctional Bisâ€benzophenone as A Solid Additive for Nonâ€Fullerene Solar Cells. Advanced Functional Materials, 2021, 31, 2008699.	16.0	14

#	Article	IF	Citations
757	Molecular Brush Surfactants: Versatile Emulsifiers for Stabilizing and Structuring Liquids. Angewandte Chemie, 2021, 133, 19778-19782.	2.1	14
758	Optimizing Vertical Crystallization for Efficient Perovskite Solar Cells by Buried Composite Layers. Solar Rrl, 2021, 5, 2100457.	5.9	14
759	Aquabots. ACS Nano, 2022, 16, 13761-13770.	14.9	14
760	Swelling effects in semidilute block copolymer solutions. Journal of Chemical Physics, 1994, 101, 5213-5218.	2.9	13
761	A Monte Carlo Simulation of Asymmetric Random Copolymers at an Immiscible Interface. Macromolecules, 1996, 29, 4120-4124.	4.9	13
762	Characterizing Polymer Surfaces and Interfaces. MRS Bulletin, 1996, 21, 49-53.	4.1	13
763	Atomic force microscopy study of rubbed polyimide films. Journal of Applied Polymer Science, 2001, 80, 1470-1477.	2.6	13
764	Temperature-Triggered Micellization of Block Copolymers on an Ionic Liquid Surface. Langmuir, 2011, 27, 12443-12450.	3.6	13
765	Finely Tuned Polymer Interlayers Enhance Solar Cell Efficiency. Angewandte Chemie, 2015, 127, 11647-11651.	2.1	13
766	Chemical Stabilization of Perovskite Solar Cells with Functional Fulleropyrrolidines. ACS Central Science, 2018, 4, 216-222.	11.7	13
767	Interfacial Activity of Amineâ€Functionalized Polyhedral Oligomeric Silsesquioxanes (POSS): A Simple Strategy To Structure Liquids. Angewandte Chemie, 2019, 131, 10248-10253.	2.1	13
768	Small-angle x-ray scattering studies of polymer colloids: nonaqueous dispersions of poly(isobutylene)-stabilized poly(methyl methacrylate) particles. Macromolecules, 1987, 20, 899-901.	4.9	12
769	Thermal Decomposition of Energetic Materials. 40. Fast thermolysis patterns of Alkanediammonium dinitrate salts. Propellants, Explosives, Pyrotechnics, 1990, 15, 77-80.	2.0	12
770	Imide-aryl ether phenylquinoxaline block copolymers. Macromolecules, 1991, 24, 4559-4566.	4.9	12
771	Resistance heating of the gasket in a gem-anvil high pressure cell. Review of Scientific Instruments, 1999, 70, 4316-4323.	1.4	12
772	The effect of molecular architecture on the grain growth kinetics of AnBn star block copolymers. Faraday Discussions, 2005, 128, 103.	3.6	12
773	Temperature Tunable Micellization of Polystyrene-block-poly(2-vinylpyridine) at Siâ^'Ionic Liquid Interface. Langmuir, 2010, 26, 17126-17132.	3.6	12
774	Field Emission Tip Array Fabrication Utilizing Geometrical Hindrance in the Oxidation of Si. IEEE Nanotechnology Magazine, 2012, 11, 999-1003.	2.2	12

#	Article	IF	Citations
775	Morphologies of poly(cyclohexadiene) diblock copolymers: Effect of conformational asymmetry. Polymer, 2012, 53, 5155-5162.	3.8	12
776	Solventâ€Assisted Orientation of Poly(3â€hexylthiophene)â€Functionalized CdSe Nanorods Under an Electric Field. Macromolecular Chemistry and Physics, 2014, 215, 1647-1653.	2.4	12
777	Alkylthio substituted thiophene modified benzodithiophene-based highly efficient photovoltaic small molecules. Organic Electronics, 2016, 28, 263-268.	2.7	12
778	Fabrication of compact and stable perovskite films with optimized precursor composition in the fast-growing procedure. Science China Materials, 2017, 60, 608-616.	6.4	12
779	The Buckling Spectra of Nanoparticle Surfactant Assemblies. Nano Letters, 2021, 21, 7116-7122.	9.2	12
780	Relaxation and Aging of Nanosphere Assemblies at a Waterâ€“Oil Interface. ACS Nano, 2022, 16, 8967-8973.	14.9	12
781	Fabrication of Nanoporous Block Copolymer Thin Films through Mediation of Interfacial Interactions with UV Cross-Linked Polystyrene. Macromolecules, 2009, 42, 7213-7216.	4.9	11
782	A Study on the Kinetics of a Disorder-to-Order Transition Induced by Alkyne/Azide Click Reaction. Macromolecules, 2011, 44, 4269-4275.	4.9	11
783	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. Angewandte Chemie, 2019, 131, 12240-12244.	2.1	11
784	Dynamic Reconfiguration of Compressed 2D Nanoparticle Monolayers. ACS Nano, 2022, 16, 5496-5506.	14.9	11
785	Nonconjugated Self-Doped Polymer Zwitterions as Efficient Interlayers for High Performance Organic Solar Cells. Chemistry of Materials, 2022, 34, 7293-7301.	6.8	11
786	Thermal Decomposition of energetic materials. 39. Fast thermolysis patterns of poly(methyl), poly(ethyl), and primary alkylammonium mononitrate salts. Propellants, Explosives, Pyrotechnics, 1990, 15, 66-72.	2.0	10
787	Phase-separation kinetics of mixtures of linear and star-shaped polymers. Macromolecules, 1990, 23, 4452-4455.	4.9	10
788	Topology of forward scattering of neutrons from imperfect multilayers. Physical Review B, 1994, 50, 9565-9568.	3.2	10
789	Forward recoil spectrometry study of the diffusion of PMDA/ODA-based poly(amic ethyl esters). Polymer, 1997, 38, 5073-5078.	3.8	10
790	Imidization and interdiffusion of poly(amic ethyl ester) precursors of PMDA/3,4?-ODA. Journal of Polymer Science, Part B: Polymer Physics, 1998, 36, 2247-2258.	2.4	10
791	Synthesis of Photoisomerizable Block Copolymers by Atom Transfer Radical Polymerization. Macromolecular Chemistry and Physics, 2009, 210, 1484-1492.	2.4	10
792	Enhanced crystalline morphology of a ladder-type polymer bulk-heterojunction device by blade-coating. Nanoscale, 2015, 7, 10936-10939.	5.6	10

#	Article	IF	Citations
793	Ternary polymer solar cells based-on two polymer donors with similar HOMO levels and an organic acceptor with absorption extending to 850â€¯nm. Organic Electronics, 2018, 62, 89-94.	2.7	10
794	Using a Graphene-Polyelectrolyte Complex Reducing Agent To Promote Cracking in Single-Crystalline Gold Nanoplates. ACS Applied Materials & Interfaces, 2019, 11, 41602-41610.	8.1	10
795	Bidisperse Nanospheres Jammed on a Liquid Surface. ACS Nano, 2020, 14, 10589-10599.	14.9	10
796	Surface and grain boundary carbon heterogeneity in CH3NH3PbI3 perovskites and its impact on optoelectronic properties. Applied Physics Reviews, 2020, 7, .	11.4	10
797	Comparison of Fused-Ring Electron Acceptors with One- and Multidimensional Conformations. ACS Applied Materials & Interfaces, 2020, 12, 23976-23983.	8.1	10
798	POLYMER DYNAMICS: Chance Encounters. Science, 2001, 293, 446-447.	19.6	10
799	Responsive Interfacial Assemblies Based on Chargeâ€Transfer Interactions. Angewandte Chemie, 2021, 133, 26567-26571.	2.1	10
800	Interfacial Assembly and Jamming of Soft Nanoparticle Surfactants into Colloidosomes and Structured Liquids. ACS Applied Materials & Interfaces, 2022, 14, 54287-54292.	8.1	10
801	Behavior of Block Copolymers in Thin Films. MRS Bulletin, 1989, 14, 33-37.	4.1	9
802	Thermal Decomposition of Energetic Materials. 42. Fast thermal decomposition of five N-Methyl substituted ethanediammonium dinitrate salts. Propellants, Explosives, Pyrotechnics, 1990, 15, 123-126.	2.0	9
803	On the microphase separation kinetics of symmetric diblock copolymers. Colloid and Polymer Science, 1994, 272, 1373-1379.	2.1	9
804	Application of Recombinant DNA Methods for Production of Cholinesterases as Organophosphate Antidotes and Detectors. Arhiv Za Higijenu Rada I Toksikologiju, 2007, 58, 339-345.	0.8	9
805	Multiple-level threshold switching behavior of In2Se3 confined in a nanostructured silicon substrate. Applied Physics Letters, 2010, 97, 092114.	3.2	9
806	UV-enhanced Ordering in Azobenzene-Containing Polystyrene-block-Poly(n-Butyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	4.9	9
807	Applying Thienyl Side Chains and Different Ï€-Bridge to Aromatic Side-Chain Substituted Indacenodithiophene-Based Small Molecule Donors for High-Performance Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 19998-20009.	8.1	9
808	Fabrication of sub-20 nm patterns using dopamine chemistry in self-aligned double patterning. Nanoscale, 2018, 10, 20779-20784.	5.6	9
809	Spontaneous emulsification induced by nanoparticle surfactants. Journal of Chemical Physics, 2020, 153, 224705.	2.9	9
810	Gated Molecular Diffusion at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2021, 133, 17534-17537.	2.1	9

#	Article	IF	Citations
811	Fully Biobased Elastomer Composites with Mechanically Robust, Reprocessable, and Biocompatible Properties. ACS Applied Polymer Materials, 2021, 3, 6446-6454.	4.4	9
812	In Situ Hydrolysis of Block Copolymers at the Waterâ€Oil Interface. Angewandte Chemie - International Edition, 2022, 61, .	14.2	9
813	Hydrolysis-Induced Self-Assembly of High-Ï‡â€“Low-N Bottlebrush Copolymers. Macromolecules, 2021, 54, 11449-11458.	4.9	9
814	Homogenizing Blends of Cross-linked Polymers by Interfacial Exchange Reactions. ACS Applied Materials & Interfaces, 2022, 14, 27309-27316.	8.1	9
815	Thermal Decomposition of Energetic Materials 41. Fast thermolysis of cyclic and acyclic ethanediammonium dinitrate salts and their oxonium nitrate double salts, and the crystal structure of piperazinium dinitrate. Propellants, Explosives, Pyrotechnics, 1990, 15, 81-86.	2.0	8
816	Thermal decomposition of energetic materials. 44. Rapid thermal decomposition of the propyl-1,3-diammonium salts of NO 3 ? and ClO 4 ? , and the crystal structure of the ClO 4 ? salt. Journal of Chemical Crystallography, 1991, 21, 167-171.	1.0	8
817	Thick film positive photoresist: Development and resolution enhancement technique. Journal of Vacuum Science & Technology B, 1995, 13, 3000.	1.3	8
818	Pressure/Temperature and Reaction Phase Diagram for Dinitro Azetidinium Dinitramide. Journal of Physical Chemistry B, 1997, 101, 3566-3570.	2.6	8
819	Microstructure analysis of epitaxially grown self-assembled Ge islands on nanometer-scale patterned SiO2â^•Si substrates by high-resolution transmission electron microscopy. Journal of Applied Physics, 2007, 102, 104306.	2.3	8
820	Osmotically Driven Formation of Double Emulsions Stabilized by Amphiphilic Block Copolymers. Angewandte Chemie, 2014, 126, 8379-8384.	2.1	8
821	Electronic and Morphological Studies of Conjugated Polymers Incorporating a Disk-Shaped Polycyclic Aromatic Hydrocarbon Unit. ACS Applied Materials & Interfaces, 2015, 7, 20034-20045.	8.1	8
822	Identification of adducin-binding residues on the cytoplasmic domain of erythrocyte membrane protein, band 3. Biochemical Journal, 2016, 473, 3147-3158.	3.7	8
823	Perspective: Ferromagnetic Liquids. Materials, 2020, 13, 2712.	2.9	8
824	Soft Polymer Janus Nanoparticles at Liquidâ€“Liquid Interfaces. Angewandte Chemie, 2020, 132, 12851-12855.	2.1	8
825	A calibration procedure for a low-angle light-scattering apparatus. Journal of Polymer Science, Polymer Physics Edition, 1978, 16, 1879-1882.	1.0	7
826	Controlling Subcritical Crack Growth at Epoxy/Glass Interfaces. Journal of Electronic Packaging, Transactions of the ASME, 2002, 124, 328-333.	1.9	7
827	Fatigue resistance of silane-bonded epoxy/glass interfaces using neat and rubber-toughened epoxies. Journal of Materials Science, 2002, 37, 3269-3276.	3.7	7
828	Grain Growth Kinetics of AnBnStar Block Copolymers in Supercritical Carbon Dioxide. Macromolecules, 2005, 38, 4719-4728.	4.9	7

#	Article	IF	Citations
829	Photophysical Properties of Perdeuteratedtrans-Stilbene Grafted Polystyrene. Macromolecules, 2006, 39, 6776-6780.	4.9	7
830	Intersubband absorption in p-type Si1â^'xGex quantum dots on pre-patterned Si substrates made by a diblock copolymer process. Journal of Crystal Growth, 2007, 301-302, 833-836.	1.6	7
831	Thin Films of Semifluorinated Block Copolymers Prepared by ATRP. Macromolecular Chemistry and Physics, 2011, 212, 2399-2405.	2.4	7
832	Fabrication of Coâ€continuous Nanostructured and Porous Polymer Membranes: Spinodal Decomposition of Homopolymer and Random Copolymer Blends. Angewandte Chemie, 2012, 124, 4165-4170.	2.1	7
833	Triggered Inâ€...situ Disruption and Inversion of Nanoparticleâ€Stabilized Droplets. Angewandte Chemie, 2013, 125, 6752-6755.	2.1	7
834	In situ grazing incidence smallâ€angle Xâ€ray scattering study of solvent vapor annealing in lamellaeâ€forming block copolymer thin films: Tradeâ€off of defects in deswelling. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 980-989.	2.4	7
835	Unexpected Elasticity in Assemblies of Glassy Supraâ€Nanoparticle Clusters. Angewandte Chemie, 2021, 133, 4944-4950.	2.1	7
836	Solvent-Induced Assembly of Microbial Protein Nanowires into Superstructured Bundles. Biomacromolecules, 2021, 22, 1305-1311.	5.5	7
837	Interfacial Reaction Induced Disruption and Dissolution of Dynamic Polymer Networks. Macromolecular Rapid Communications, 2021, 42, e2100023.	4.3	7
838	Evolution of Ordering in Thin Films of Symmetric Diblock Copolymers. , 1994, , 217-223.		7
839	Thin film order of symmetric diblock copolymers. Macromolecular Symposia, 1992, 62, 157-165.	0.7	6
840	Surface orientation of liquid crystalline poly(alkylsilanes). Acta Polymerica, 1995, 46, 60-63.	0.9	6
841	Growth behavior and microstructure of Ge self-assembled islands on nanometer-scale patterned Si substrate. Journal of Crystal Growth, 2006, 290, 369-373.	1.6	6
842	Lattice Deformation and Domain Distortion in the Selfâ€Assembly of Block Copolymer Thin Films on Chemical Patterns. Small, 2013, 9, 779-784.	10.9	6
843	Interpenetrating morphology based on highly crystalline small molecule and PCBM blends. Journal of Materials Chemistry C, 2014, 2, 9368-9374.	5.4	6
844	Guided Assembly of Block Copolymers in Three-Dimensional Woodpile Scaffolds. ACS Applied Materials & Interfaces, 2018, 10, 42933-42940.	8.1	6
845	On the morphological behavior of ABC miktoarm stars containing poly(cis 1,4â€isoprene), poly(styrene), and poly(2â€vinylpyridine). Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1491-1504.	2.4	6
846	Combining Fullerenes and Zwitterions in Nonâ€Conjugated Polymer Interlayers to Raise Solar Cell Efficiency. Angewandte Chemie, 2018, 130, 9823-9826.	2.1	6

#	Article	IF	Citations
847	Visualizing Assembly Dynamics of Allâ€Liquid 3D Architectures. Small, 2022, 18, e2105017.	10.9	6
848	Using Grazing-Incidence Small-Angle Neutron Scattering to Study the Orientation of Block Copolymer Morphologies in Thin Films. Macromolecules, 2023, 56, 2418-2428.	4.9	6
849	Stabilizing Liquids Using Interfacial Supramolecular Assemblies. Angewandte Chemie - International Edition, 2023, 62, .	14.2	6
850	Star Block Copolymers at Homopolymer Interfaces: Conformation and Compatibilization. Macromolecules, 2023, 56, 8308-8322.	4.9	6
851	Solvent and Curing Effects on Diffusion at Polyimide Interfaces. Materials Research Society Symposia Proceedings, 1989, 153, 239.	0.1	5
852	Thermal Decomposition of Energetic Materials. 43. Fast thermolysis of cubylammonium nitrate and cubane-1,4-diammonium dinitrate. Propellants, Explosives, Pyrotechnics, 1991, 16, 27-30.	2.0	5
853	Bassereauet al.Reply:. Physical Review Letters, 1995, 74, 4961-4961.	7.8	5
854	Fatigue and Durability of Silane-Bonded Epoxy/Glass Interfaces. Journal of Adhesion, 2001, 76, 335-351.	3.1	5
855	Terabit Density Cobalt Nanowire Arrays With Tunable Magnetic Properties. Materials Research Society Symposia Proceedings, 2002, 721, 1.	0.1	5
856	A Hybrid Decision Tree â€“ Artificial Neural Networks Ensemble Approach for Kidney Transplantation Outcomes Prediction. Lecture Notes in Computer Science, 2005, , 116-122.	2.0	5
857	Globular Organization of Multifunctional Linear Homopolymer Using Trifunctional Molecules. Macromolecules, 2007, 40, 4267-4275.	4.9	5
858	Study of growth behaviour and microstructure of epitaxially grown selfâ€assembled Ge quantum dots on nanometerâ€scale patterned SiO₂/Si(001) substrates. Physica Status Solidi (B): Basic Research, 2009, 246, 721-724.	1.6	5
859	Tailoring block copolymer morphologies via alkyne/azide cycloaddition. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 55-64.	2.4	5
860	Antibody affinity purification using metallic nickel particles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 895-896, 89-93.	2.4	5
861	Nanoparticleâ€Stabilized Double Emulsions and Compressed Droplets. Angewandte Chemie, 2012, 124, 149-153.	2.1	5
862	Robust polythiophene nanowires cross-linked with functional fullerenes. Journal of Materials Chemistry C, 2014, 2, 9674-9682.	5.4	5
863	Evidence of tunable macroscopic polarization in perovskite films using photo-Kelvin Probe Force Microscopy. Materials Letters, 2018, 217, 308-311.	2.6	5
864	Tuning microdomain spacing with light using orthoâ€nitrobenzylâ€linked triblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 355-361.	2.4	5

#	Article	IF	Citations
865	Nanomechanical and Chemical Mapping of the Structure and Interfacial Properties in Immiscible Ternary Polymer Systems. Chinese Journal of Polymer Science (English Edition), 2021, 39, 651-658.	3.1	5
866	Boltzmann's colloidal transport in porous media with velocity-dependent capture probability. Physics of Fluids, 2021, 33, .	3.9	5
867	3D effects in two-phase steady-state tests. Journal of Petroleum Science and Engineering, 2022, 208, 109533.	4.2	5
868	Manipulating the Crystalline Morphology in the Nonfullerene Acceptor Mixture to Improve the Carrier Transport and Suppress the Energetic Disorder. Small Science, 2022, 2, 2100092.	10.4	5
869	Introducing Heusler intermetallics for synergic effect of grain refinement and precipitation strengthening in high-strength low-alloy steels. Journal of Alloys and Compounds, 2022, 904, 163885.	5.6	5
870	High-Performance 1 cm² Perovskite-Organic Tandem Solar Cells with a Solvent-Resistant and Thickness-Insensitive Interconnecting Layer. ACS Applied Materials & Interfaces, 2022, 14, 29896-29904.	8.1	5
871	Zwitterionic Sulfonium Sulfonate Polymers: Impacts of Substituents and Inverted Dipole. Macromolecules, 2023, 56, 1105-1110.	4.9	5
872	Repairable Macroscopic Monodomain Arrays from Block Copolymers Enabled by Photoplastic and Photodielectric Effects. ACS Nano, 2023, 17, 8367-8375.	14.9	5
873	Ballistic Ejection of Microdroplets from Overpacked Interfacial Assemblies. Advanced Functional Materials, 2023, 33, .	16.0	5
874	Development of Poly(imide-b-amic acid) Multiblock Copolymer Thin Film. Macromolecules, 2003, 36, 4976-4982.	4.9	4
875	The effects of varied imidization conditions on rubbed polyimide film surface morphology. Journal of Applied Polymer Science, 2004, 93, 1192-1197.	2.6	4
876	NANOSCALE PATTERNING IN BLOCK COPOLYMER THIN FILMS. Nano, 2010, 05, 1-11.	1.1	4
877	Synthesis and morphology investigations of a novel alkyneâ€functionalized diblock copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 78-85.	2.4	4
878	Selective Laser Ablation in Resists and Block Copolymers for High Resolution Lithographic Patterning. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 663-668.	0.5	4
879	Total Synthesis of Putative Chagosensine. Angewandte Chemie, 2018, 130, 13763-13769.	2.1	4
880	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. Angewandte Chemie, 2019, 131, 5733-5737.	2.1	4
881	Surfactantâ€Induced Interfacial Aggregation of Porphyrins for Structuring Colorâ€Tunable Liquids. Angewandte Chemie, 2021, 133, 2907-2912.	2.1	4
882	Visualizing Interfacial Jamming Using an Aggregationâ€Inducedâ€Emission Molecular Reporter. Angewandte Chemie, 2021, 133, 8776-8781.	2.1	4

#	Article	IF	Citations
883	A simple, efficient route to modify the properties of epoxy dynamic polymer networks. Soft Matter, 2022, 18, 382-389.	2.8	4
884	Zwitterionic Ammonium Sulfonate Polymers: Synthesis and Properties in Fluids. Macromolecular Rapid Communications, 2022, 43, e2100678.	4.3	4
885	Polyoxometalateâ€Surfactant Assemblies: Responsiveness to Orthogonal Stimuli. Angewandte Chemie, 2022, 134, .	2.1	4
886	Guest editorial: Editorial for special issue on the role of big data on the transition to circular economy and sustainable operations management. Journal of Enterprise Information Management, 2022, 35, 949-954.	7.6	4
887	MXene-Based Porous Monoliths. Nanomaterials, 2022, 12, 3792.	4.1	4
888	Reversible Emulsions from Polyoxometalateâ€“Polymer: A Robust Strategy to Cyclic Emulsion Catalysis and High-Internal-Phase Emulsion Materials. Journal of the American Chemical Society, 2023, 145, 25431-25439.	14.1	4
889	Selfâ€Propulsion by Directed Explosive Emulsification. Advanced Materials, 2024, 36, .	23.6	4
890	Concentration fluctuations of polystyrene-polybutadiene blends. Physical Review B, 1987, 35, 8566-8571.	3.2	3
891	Reflectivity of Soft X-Rays by Polymer Mixtures. Materials Research Society Symposia Proceedings, 1988, 143, 265.	0.1	3
892	Russellet al. reply. Physical Review Letters, 1993, 70, 1352-1352.	7.8	3
893	The ordering of thin films of symmetric diblock copolymers. , 1993, , 97-100.		3
894	Underwater shock measurements using a ruby pressure gauge. Applied Physics Letters, 2000, 77, 684-686.	3.2	3
895	Selective Solvent-Induced Reversible Surface Reconstruction of Diblock Copolymer Thin Films. ACS Symposium Series, 2005, , 158-170.	0.0	3
896	Performing under pressure. Nature Nanotechnology, 2009, 4, 703-704.	29.6	3
897	Disorder-to-order transitions induced by alkyne/azide click chemistry in diblock copolymer thin films. Soft Matter, 2012, 8, 5273.	2.8	3
898	Polymer electronics: Power from polymers. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1013-1013.	2.4	3
899	Ionic Liquids as Floatation Media for Cryo-Ultramicrotomy of Soft Polymeric Materials. Microscopy and Microanalysis, 2013, 19, 1554-1557.	0.4	3
900	Solid Particles Adsorbed on Capillary-Bridge-Shaped Fluid Polystyrene Surfaces. Langmuir, 2015, 31, 5299-5305.	3.6	3

#	Article	IF	Citations
901	The Static Structure and Dynamics of Cadmium Sulfide Nanoparticles within Poly(styreneâ€blockâ€isoprene) Diblock Copolymer Melts. Macromolecular Chemistry and Physics, 2016, 217, 591-598.	2.4	3
902	Highly oriented and ordered microstructures in block copolymer films. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1369-1375.	2.4	3
903	Laserâ€Induced Recoverable Fluorescence Quenching of Perovskite Films at a Microscopic Grain Scale. Energy and Environmental Materials, 2022, 5, 1189-1199.	12.9	3
904	Characteristics of Non-Fullerene Acceptor-Based Organic Photovoltaic Active Layers Using X-ray Scattering and Solid-State NMR. Journal of Physical Chemistry C, 2021, 125, 15863-15871.	3.2	3
905	Analytical solution for large-deposit non-linear reactive flows in porous media. Chemical Engineering Journal, 2022, 430, 132812.	12.7	3
906	International Guidelines for Hypertension: Resemblance, Divergence and Inconsistencies. Journal of Clinical Medicine, 2022, 11, 1975.	2.5	3
907	Open millifluidics based on powder-encased channels. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.4	3
908	Relaxing Wrinkles in Jammed Interfacial Assemblies. Angewandte Chemie - International Edition, 2023, 62, .	14.2	3
909	Amphiphilic Heterografted Molecular Bottlebrushes with Tertiary Amineâ€Containing Side Chains as Efficient and Robust pHâ€Responsive Emulsifiers. Angewandte Chemie - International Edition, 2023, 62, .	14.2	3
910	Phase Behavior of Charged Star Block Copolymers at Fluids Interface. Angewandte Chemie - International Edition, 2024, 63, .	14.2	3
911	Janus bottlebrush compatibilizers. Soft Matter, 2024, 20, 1554-1564.	2.8	3
912	Standard potential of the mercury-mercurous benzoate electrode at 20.degree.C. Journal of Chemical & Engineering Data, 1977, 22, 370-371.	1.9	2
913	Interfacial Segregation Effects in Mixtures of Homopolymers with Copolymers.. Materials Research Society Symposia Proceedings, 1989, 171, 343.	0.1	2
914	On the birefringence of multilayered symmetric diblock copolymer films. Macromolecules, 1993, 26, 5436-5440.	4.9	2
915	Photon tunnelling microscopy of polyethylene single crystals. Polymer, 1994, 35, 1137-1141.	3.8	2
916	Near-surface structure of aromatic polyimides: the effect of precursor isomers. Faraday Discussions, 1994, 98, 319.	3.6	2
917	A fully-static low power, high performance 64-bit 3-level carry skip adder. , 1994, , .		2
918	Time Resolved Optical Spectroscopy to Examine Chemical Decomposition of Energetic Materials Under Static High Pressure and Pulsed Heating Conditions. Materials Research Society Symposia Proceedings, 1995, 418, 385.	0.1	2

#	Article	IF	Citations
919	Polyimide Nanofoams Prepared from Styrenic Block Copolymers. ACS Symposium Series, 1995, , 425-438.	0.0	2
920	Fatigue of Silane Bonded Epoxy/Glass Interfaces. Materials Research Society Symposia Proceedings, 1999, 563, 291.	0.1	2
921	Computational and Experimental Infrared Spectra of 1,4-Dinitropiperazine and Vibrational Mode Assignment. Journal of Physical Chemistry A, 2000, 104, 8898-8907.	2.5	2
922	Anomalous suppression of the transition temperature of superconducting nanostructured honeycomb films: Electrical transport measurements and Maekawa-Fukuyama model. Physical Review B, 2008, 77, .	3.2	2
923	Nanopatterning and Functionality of Blockâ€Copolymer Thin Films. , 2011, , 401-474.		2
924	MRS Communications, Polymers and Soft Matter special issue, Part A The functionality of polymers: fundamentals to technology. MRS Communications, 2015, 5, 95-95.	1.8	2
925	Printing Fabrication of Bulk Heterojunction Solar Cells and In Situ Morphology Characterization. Journal of Visualized Experiments, 2017, , .	0.3	2
926	3D Structural Model of High-Performance Non-Fullerene Polymer Solar Cells as Revealed by High-Resolution AFM. ACS Applied Materials & Interfaces, 2017, 9, 24451-24455.	8.1	2
927	Wetting, meniscus structure, and capillary interactions of microspheres bound to a cylindrical liquid interface. Soft Matter, 2018, 14, 2131-2141.	2.8	2
928	Conductive Thin Films over Large Areas by Supramolecular Self-Assembly. ACS Applied Materials & Interfaces, 2020, 12, 54020-54025.	8.1	2
929	Bimolecular crystal instability and morphology of bulk heterojunction blends in organic and perovskite solar cells. Journal of Materials Chemistry C, 2020, 8, 11695-11703.	5.4	2
930	Genetically Encoded and Biologically Produced Allâ€DNA Nanomedicine Based on Oneâ€Pot Assembly of DNA Dendrimers for Targeted Gene Regulation. Angewandte Chemie, 2021, 133, 5437-5445.	2.1	2
931	Uncertainties associated with laboratory-based predictions of well index and formation damage. Measurement: Journal of the International Measurement Confederation, 2021, 170, 108731.	5.1	2
932	Optimization and statistical analysis of the effect of main operation conditions on the physical characteristics of solid and hollow cylindrical pellets. Biomass Conversion and Biorefinery, 2023, 13, 3693-3718.	4.5	2
933	Have Dutch Hospitals Saved Lives and Reduced Costs? A longitudinal patientâ€level analysis over the years 2013â€“2017. Health Economics (United Kingdom), 2021, 30, 2399-2408.	1.8	2
934	Nanoscopic Templates from Oriented Block Copolymer Films. Advanced Materials, 2000, 12, 787.	23.6	2
935	Phase Transitions in Polymer Blends and Block Copolymers Induced by Selective Dilation with Supercritical CO2. , 2000, , 277-289.		2
936	Reconfiguration and Reorganization of Bottlebrush Polymer Surfactants. Angewandte Chemie, 2022, 134, .	2.1	2

#	Article	IF	Citations
937	Rational Organic Subcell Engineering Enables Efficient Organic-Perovskite Tandem Solar Cells. ACS Energy Letters, 2023, 8, 4514-4523.	17.8	2
938	Quantitative <scp>X</scp>â€ray scattering and reflectivity measurements of polymer thin films with <scp>2D</scp> detectors. Journal of Polymer Science, 0, , .	4.1	2
939	Interfacial Fabrication of Supramolecular Polymer Networks Using Mussel-Inspired Catecholâ€“Iron Complexes. Macromolecules, 0, , .	4.9	2
940	Reconfigurable droplet networks. Nature Communications, 2024, 15, .	12.8	2
941	Conjugated Zwitterionic Oligomers as Ligands on Perovskite Nanocrystals: Hybrid Structures with Tunable Interparticle Spacing. Journal of the American Chemical Society, 2024, 146, 8189-8197.	14.1	2
942	Interdiffusion in Polyimide Thin Films. Materials Research Society Symposia Proceedings, 1986, 72, 195.	0.1	1
943	Solvent and Curing Effects on Diffusion at Polyimide Interfaces. Materials Research Society Symposia Proceedings, 1989, 154, 283.	0.1	1
944	Temperature Dependence of the Morphology of Thin Diblock Copolymer Films as Revealed by Neutron Reflectivity. Materials Research Society Symposia Proceedings, 1989, 166, 145.	0.1	1
945	Time Resolved Emission Studies of Aluminum and Water High Pressure Reactions. Materials Research Society Symposia Proceedings, 1995, 418, 391.	0.1	1
946	Characterization of thin Polymeric Nanofoam films by Transmission Electron Microscopy and Small Angle Neutron Scattering. Materials Research Society Symposia Proceedings, 1996, 461, 103.	0.1	1
947	Real-time changes induced by pulsed laser heating in ammonium perchlorate at static high pressures. AIP Conference Proceedings, 1998, , .	0.2	1
948	Temperature measurements of a thermal wave at static high pressures. Applied Physics Letters, 2000, 76, 2460-2462.	3.2	1
949	The laser-induced decomposition of TATB at static high pressure. AIP Conference Proceedings, 2000, , .	0.2	1
950	Effect of Polymer-Substrate Interactions on the Glass Transition of Polymer Thin Films. AIP Conference Proceedings, 2004, , .	0.2	1
951	Nano-patterned Growth of Ge Quantum Dots for Infrared Detector Applications. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	1
952	AlvineetÂal.Reply:. Physical Review Letters, 2007, 98, .	7.8	1
953	Deviations from bulk morphologies in thin films of block copolymer/additive binary blends. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1250-1259.	3.1	1
954	Liquid adsorption at surfaces patterned with cylindrical nano-cavities. Soft Matter, 2013, 9, 10550.	2.8	1

#	Article	IF	Citations
955	In Situ Electron Microscopy of Poly(ethylene glycol) Crystals Grown in Thin Ionic Liquids Films. Journal of Polymer Science, 2020, 58, 478-486.	4.1	1
956	The heart of dystrophinopathies. European Journal of Heart Failure, 2021, 23, 1287-1289.	7.3	1
957	Polyimide Nanofoams from Phase Separated Triblock Copolymers. , 1997, , 529-542.		1
958	Shearâ€sensitive chain extension of dissolved poly(ethylene oxide) by aluminate ions. Journal of Polymer Science, 2021, 59, 146-152.	4.1	1
959	In SituÂHydrolysis of Block Copolymers at the Waterâ€Oil Interface. Angewandte Chemie, 0, , .	2.1	1
960	Reconfigurable Magnetic Liquid Building Blocks for Constructing Artificial Spinal Column Tissues. Advanced Science, 0, , .	12.1	1
961	On the Interfacial Assembly of Anisotropic Amphiphilic Janus Particles. Advanced Functional Materials, 2024, 34, .	16.0	1
962	Flexible, transparent, and sustainable cellulose-based films for organic solar cell substrates. Materials Horizons, 2024, 11, 1560-1566.	12.4	1
963	Oversaturating Liquid Interfaces with Nanoparticleâ€Surfactants. Angewandte Chemie - International Edition, 2024, 63, .	14.2	1
964	Bottlebrush Block Copolymers at the Interface of Immiscible Liquids: Adsorption and Lateral Packing. Journal of the American Chemical Society, 2024, 146, 13000-13009.	14.1	1
965	Scattering Studies on Mixtures of Poly(Ethylene Oxide) with Poly(Methyl Methacrylate). Materials Research Society Symposia Proceedings, 1986, 79, 87.	0.1	0
966	The Morphology of Symietric Diblock Copolymers as Revealed by Neutron Reflectivity. Materials Research Society Symposia Proceedings, 1989, 166, 139.	0.1	0
967	Diblock Copolymers at Surfaces. Materials Research Society Symposia Proceedings, 1989, 171, 317.	0.1	0
968	Synthesis and properties of segmented poly(hydroxyether-siloxane). Macromolecular Symposia, 1989, 25, 155-166.	0.7	0
969	Profiling Polyimide-Polyimide Interfaces. Materials Research Society Symposia Proceedings, 1993, 305, 153.	0.1	0
970	Very thin films of symmetric diblock copolymers. , 1993, , 88-92.		0
971	Diblock Copolymer Adsorption onto a Solid Surface as Revealed by Evanescent Wave Ellipsometry. Macromolecules, 1994, 27, 7490-7491.	4.9	0
972	Resonance Enhanced Neutron Standing Waves in Thin Films. Materials Research Society Symposia Proceedings, 1994, 376, 259.	0.1	0

#	Article	IF	Citations
973	<title>Thick film photoresist resolution enhancement with surfactant surface treatment</title>. , 1995, 2438, 673.		0
974	Nanofoam Porosity Measured by Infrared Spectroscopy and Refractive Index. Materials Research Society Symposia Proceedings, 1996, 431, 475.	0.1	0
975	Electric Field Induced Control of Thin Film Diblock Copolymer Domain Orientation. Materials Research Society Symposia Proceedings, 1996, 461, 109.	0.1	0
976	Some Thermodynamic Considerations of the Lower Disorder-to-Order Transition of Diblock Copolymers. ACS Symposium Series, 1999, , 261-269.	0.0	0
977	Manipulating Copolymers with Confinement and Interfacial Interactions. ACS Symposium Series, 1999, , 140-152.	0.0	0
978	Structural changes in ammonium perchlorate under compression to 5 GPa. AIP Conference Proceedings, 2000, , .	0.2	0
979	Nanoparticles and Polymers. Bricks and Mortar Self-Assembly of Nanostructures. Materials Research Society Symposia Proceedings, 2001, 635, C1.3.1.	0.1	0
980	Crystalline structure of a liquid crystal forming ligated twin. Journal of Materials Science, 2002, 37, 389-395.	3.7	0
981	Novel transparent nano- to micro-heterogeneous substrates forin-situ cell migration study. Journal of Biomedical Materials Research - Part A, 2007, 80A, 509-512.	4.0	0
982	10.5: Field emission properties of atomically sharp tungsten nanotip arrays fabricated by a novel nanocasting method. , 2010, , .		0
983	Promoting Network Formation in Nanorod-filled Binary Blends. Materials Research Society Symposia Proceedings, 2012, 1411, 75.	0.1	0
984	Morphology study on ternary blend polymer solar cell to achieve improved device performance. Proceedings of SPIE, 2013, , .	1.0	0
985	Charge Carrier Balance for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells Based on Interface Engineering. , 2016, , .		0
986	Chemie, dem Leben verpflichtet. Angewandte Chemie, 2017, 129, 11104-11105.	2.1	0
987	Impact of Electron Energy and Dose on Particle Dynamics Imaging in the Scanning Electron Microscope. Microscopy and Microanalysis, 2019, 25, 1670-1671.	0.4	0
988	Neutron reflectivity studies of ordered copolymer films. European Physical Journal Special Topics, 1993, 03, C8-41-C8-47.	0.2	0
989	Microscopic Experimental Approaches to High Pressure Chemistry. European Physical Journal Special Topics, 1995, 05, C4-553-C4-558.	0.2	0
990	PresenÃ§a de fatores terapÃªuticos em atendimentos grupais em sala de espera. Revista EletrÃ´nica De Enfermagem, 0, 24, .	0.1	0

#	Article	IF	Citations
991	Advancing access to Medicareâ€funded mental health treatment during the opioid epidemic: A counselor advocacy analysis. Journal of Counseling and Development, 0, , .	2.5	0
992	Stabilizing Liquids Using Interfacial Supramolecular Assemblies. Angewandte Chemie, 0, , .	2.1	0
993	Relaxing Wrinkles in Jammed Interfacial Assemblies. Angewandte Chemie, 0, , .	2.1	0
994	Evidence for Enhanced Tracer Diffusion in Densely Packed Interfacial Assemblies of Hairy Nanoparticles. Nano Letters, 2023, 23, 10383-10390.	9.2	0
995	Mixed Nanosphere Assemblies at a Liquidâ€“Liquid Interface. Small, 2024, 20, .	10.9	0
996	Amphiphilic Heterografted Molecular Bottlebrushes with Tertiary Amineâ€Containing Side Chains as Efficient and Robust pHâ€Responsive Emulsifiers. Angewandte Chemie, 2023, 135, .	2.1	0
997	Imaging a solventâ€swollen polymer gel network by open liquid transmission electron microscopy. Journal of Polymer Science, 0, , .	4.1	0
998	Oversaturating Liquid Interfaces with Nanoparticleâ€Surfactants. Angewandte Chemie, 2024, 136, .	2.1	0
999	3D Printing of Aqueous Twoâ€Phase Systems with Linear and Bottlebrush Polyelectrolytes. Angewandte Chemie, 2024, 136, .	2.1	0
1000	Repairable and Reconfigurable Structured Liquid Circuits. Advanced Functional Materials, 0, , .	16.0	0
1001	Crystallization of Bottlebrush Statistical Copolymers of Polystyrene and Poly(ethylene oxide). Macromolecules, 0, , .	4.9	0
1002	Responsiveâ€Hydrogel Aquabots. Advanced Science, 0, , .	12.1	0
1003	Spatial and Bidirectional Work Function Modulation of Monolayer Graphene with Patterned Polymer â€œFluorozwitteristsâ€. ACS Central Science, 0, , .	11.7	0
1004	Diamine chelates for increased stability in mixed Snâ€“Pb and all-perovskite tandem solar cells. Nature Energy, 0, , .	28.8	0