

Richard A Register

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Epitaxially crystallized polyethylene exhibiting near-equilibrium melting temperatures*. Polymer Engineering and Science, 2022, 62, 841-847.	1.5	2
2	Minimum Molecular Weight and Tie Molecule Content for Ductility in Polyethylenes of Varying Crystallinity. Macromolecules, 2022, 55, 3249-3258.	2.2	5
3	Blends of Polyisoprene with Model Styrene-Olefin Copolymers: Mixing Energetics in Blends versus Block Copolymers. Macromolecules, 2021, 54, 3999-4009.	2.2	5
4	Evolution of Polymer Colloid Structure During Precipitation and Phase Separation. JACS, 2021, 143, 936-944.	3.6	9
5	Incorporation of Styrene into a Model Polyolefin for Enhanced Compatibility with Polyisoprene. Macromolecules, 2020, 53, 9142-9151.	2.2	6
6	Tapered Multiblock Star Copolymers: Synthesis, Selective Hydrogenation, and Properties. Macromolecules, 2020, 53, 4422-4434.	2.2	20
7	Morphology and Structure-Property Relationships in Random Ionomers: Two Foundational Articles from Macromolecules. Macromolecules, 2020, 53, 1523-1526.	2.2	16
8	Circumventing Macroscopic Phase Separation in Immiscible Polymer Mixtures by Bottom-up Deposition. Macromolecules, 2020, 53, 5740-5746.	2.2	5
9	Single-End-Functionalized Polycyclopentene via Ring-Opening Metathesis Polymerization with Concurrent Chain Transfer. Macromolecules, 2019, 52, 8079-8087.	2.2	0
10	Estimating the segregation strength of microphase-separated diblock copolymers from the interfacial width. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 932-940.	2.4	11
11	Tuning the phase behavior of semicrystalline hydrogenated polynorbornene via epimerization. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1188-1195.	2.4	5
12	Direct Measurement of the Local Glass Transition in Self-Assembled Copolymers with Nanometer Resolution. ACS Central Science, 2018, 4, 504-511.	5.3	35
13	Endo/Exo Reactivity Ratios in Living Vinyl Addition Polymerization of Substituted Norbornenes. Macromolecular Chemistry and Physics, 2018, 219, 1800059.	1.1	26
14	Ring-Opening Metathesis Copolymerization of Cyclopentene Above and Below Its Equilibrium Monomer Concentration. Macromolecular Chemistry and Physics, 2018, 219, 1800030.	1.1	8
15	Tuning Morphology and Melting Temperature in Polyethylene Films by MAPLE. Macromolecules, 2018, 51, 512-519.	2.2	11
16	Rapid Production of Internally Structured Colloids by Flash Nanoprecipitation of Block Copolymer Blends. ACS Nano, 2018, 12, 4660-4668.	7.3	65
17	Role of Chain Connectivity across an Interface on the Dynamics of a Nanostructured Block Copolymer. Physical Review Letters, 2018, 121, 247801.	2.9	12
18	Vinyl Addition Copolymers of Norbornylnorbornene and Hydroxyhexafluoroisopropylnorbornene for Efficient Recovery of n-Butanol from Dilute Aqueous Solution via Pervaporation. Macromolecules, 2018, 51, 3702-3710.	2.2	28

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19	Curvature as a Guiding Field for Patterns in Thin Block Copolymer Films. <i>Physical Review Letters</i> , 2018, 121, 087801.	2.9	15
20	Orientation Control and Crystallization in a Soft Confined Phase Separated Block Copolymer. <i>Macromolecules</i> , 2017, 50, 987-996.	2.2	13
21	Synthesis of Narrow-Distribution, High-Molecular-Weight ROMP Polycyclopentene via Suppression of Acyclic Metathesis Side Reactions. <i>ACS Macro Letters</i> , 2017, 6, 112-116.	2.3	32
22	Log-Rolling Block Copolymer Cylinders. <i>Macromolecules</i> , 2017, 50, 3607-3616.	2.2	12
23	Large, Reversible, and Coherent Domain Spacing Dilution Driven by Crystallization under Soft Lamellar Confinement. <i>Macromolecules</i> , 2017, 50, 8106-8116.	2.2	13
24	Lower Critical Ordering Transition of an All-Hydrocarbon Polynorbornene Diblock Copolymer. <i>ACS Macro Letters</i> , 2017, 6, 808-812.	2.3	16
25	Melt Miscibility in Diblock Copolymers Containing Polyethylene and Substituted Hydrogenated Polynorbornenes. <i>Macromolecules</i> , 2017, 50, 5830-5838.	2.2	11
26	Yield Stress Enhancement in Polyethylene- <i>g</i> -Glassy Diblock Copolymers. <i>Macromolecules</i> , 2017, 50, 9666-9673.	2.2	4
27	A <i>g</i> -Layered Look- <i>g</i> for Spherical Nanoparticles in Semicrystalline Polymers. <i>ACS Central Science</i> , 2017, 3, 689-691.	5.3	3
28	Coatings with thermally switchable surface energy produced from poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (oxide) <i>g</i> Physics, 2016, 54, 135-140.	2.4	1
29	Mechanical Properties of Star Block Polymer Thermoplastic Elastomers with Glassy and Crystalline End Blocks. <i>Macromolecules</i> , 2016, 49, 9521-9530.	2.2	51
30	Shear-Aligned Block Copolymer Monolayers as Seeds To Control the Orientational Order in Cylinder-Forming Block Copolymer Thin Films. <i>Macromolecules</i> , 2016, 49, 7588-7596.	2.2	21
31	Thermoplastic Elastomers via Combined Crystallization and Vitrification from Homogeneous Melts. <i>Macromolecules</i> , 2016, 49, 269-279.	2.2	30
32	Strategies for the Synthesis of Well-Defined Star Polymers by Anionic Polymerization with Chlorosilane Coupling and Preservation of the Star Architecture during Catalytic Hydrogenation. <i>Macromolecules</i> , 2016, 49, 2063-2070.	2.2	20
33	Living Vinyl Addition Polymerization of Substituted Norbornenes by a <i>g</i> -Bu ₃ P-Ligated Methylpalladium Complex. <i>ACS Macro Letters</i> , 2015, 4, 327-330.	2.3	44
34	Wrinkles and splay conspire to give positive disclinations negative curvature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12639-12644.	3.3	13
35	Hydroxyhexafluoroisopropylnorbornene Block and Random Copolymers via Vinyl Addition Polymerization and Their Application as Biobutanol Pervaporation Membranes. <i>Chemistry of Materials</i> , 2015, 27, 6791-6801.	3.2	47
36	Progression of Alignment in Thin Films of Cylinder-Forming Block Copolymers upon Shearing. <i>Macromolecules</i> , 2015, 48, 5339-5347.	2.2	24

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37	Defect formation and coarsening in hexagonal 2D curved crystals. <i>Soft Matter</i> , 2015, 11, 898-907.	1.2	32
38	Polystyrene-poly(2-ethylhexylmethacrylate) block copolymers: Synthesis, bulk phase behavior, and thin film structure. <i>Polymer</i> , 2014, 55, 2059-2067.	1.8	8
39	Metal-Containing Block Copolymer Thin Films Yield Wire Grid Polarizers with High Aspect Ratio. <i>Advanced Materials</i> , 2014, 26, 791-795.	11.1	56
40	Mixed-morphology and mixed-orientation block copolymer bilayers. <i>RSC Advances</i> , 2014, 4, 38412-38417.	1.7	12
41	Sequential Domain Realignment Driven by Conformational Asymmetry in Block Copolymer Thin Films. <i>Macromolecules</i> , 2014, 47, 1193-1198.	2.2	18
42	Large-Area Nanosquare Arrays from Shear-Aligned Block Copolymer Thin Films. <i>Nano Letters</i> , 2014, 14, 5698-5705.	4.5	68
43	Creating Controlled Thickness Gradients in Polymer Thin Films via Flowcoating. <i>Langmuir</i> , 2014, 30, 5637-5644.	1.6	40
44	Thin Films of Homopolymers and Cylinder-Forming Diblock Copolymers under Shear. <i>ACS Nano</i> , 2014, 8, 8015-8026.	7.3	33
45	Cylinder Orientation and Shear Alignment in Thin Films of Polystyrene- <i>b</i> -Poly(<i>n</i> -hexyl) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.2	37
46	Crystallization dynamics on curved surfaces. <i>Physical Review E</i> , 2013, 88, 012306.	0.8	26
47	Mixing Thermodynamics of Ternary Block-Random Copolymers Containing a Polyethylene Block. <i>Macromolecules</i> , 2013, 46, 2760-2766.	2.2	16
48	Regular Mixing Thermodynamics of Hydrogenated Styrene-Isoprene Block-Random Copolymers. <i>Macromolecules</i> , 2013, 46, 3084-3091.	2.2	18
49	Self-Assembly of Cylinder-Forming Diblock Copolymer Thin Films. <i>Macromolecules</i> , 2013, 46, 6651-6658.	2.2	21
50	Painting with block copolymers. <i>Nature Nanotechnology</i> , 2013, 8, 618-619.	15.6	9
51	Coupling between mean curvature and textures in block copolymer thin films deposited on curved substrates. <i>Soft Matter</i> , 2013, 9, 9385.	1.2	30
52	Flexible Piezoelectric PMN-PT Nanowire-Based Nanocomposite and Device. <i>Nano Letters</i> , 2013, 13, 2393-2398.	4.5	290
53	Simulations of shear-induced morphological transitions in block copolymers. <i>Soft Matter</i> , 2013, 9, 9960.	1.2	32
54	Architecture-Induced Microphase Separation in Nonfrustrated A-B-C Triblock Copolymers. <i>Macromolecules</i> , 2013, 46, 3486-3496.	2.2	15

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55	Couint Inclusion in Hydrogenated Polynorbornene Copolymer Crystals. <i>Macromolecules</i> , 2013, 46, 9288-9295.	2.2	9
56	Domain Orientation in Thin Films of Block Copolymers. , 2013, , 1-9.		0
57	Applications of Block Copolymers in Thin Films: Nanopatterning. , 2013, , 1-8.		0
58	Orientalional order in cylinder-forming block copolymer thin films. <i>Physical Review E</i> , 2012, 86, 021507.	0.8	22
59	Melt and Solid-State Structures of Polydisperse Polyolefin Multiblock Copolymers. <i>Macromolecules</i> , 2012, 45, 5773-5781.	2.2	82
60	Shear-induced alignment of lamellae in thin films of diblock copolymers. <i>Soft Matter</i> , 2012, 8, 7803.	1.2	20
61	Continuity through dispersity. <i>Nature</i> , 2012, 483, 167-168.	13.7	26
62	Poly(phenylnorbornene) from Ring-Opening Metathesis and Its Hydrogenated Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2027-2033.	1.1	14
63	Alignment of perpendicular lamellae in block copolymer thin films by shearing. <i>Soft Matter</i> , 2012, 8, 5358.	1.2	63
64	Sphere-to-Cylinder Transitions in Thin Films of Diblock Copolymers under Shear: The Role of Wetting Layers. <i>Macromolecules</i> , 2012, 45, 4406-4415.	2.2	23
65	Strain-induced crystallization and mechanical properties of functionalized graphene sheet-filled natural rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 718-723.	2.4	94
66	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 910-916.	2.4	88
67	Synthesis and Phase Behavior of Block-Random Copolymers of Styrene and Hydrogenated Isoprene. <i>Macromolecules</i> , 2011, 44, 4313-4319.	2.2	32
68	Influence of Chain Stiffness on Thermal and Mechanical Properties of Polymer Thin Films. <i>Macromolecules</i> , 2011, 44, 9040-9045.	2.2	77
69	Solid-State Structure and Crystallization in Double-Crystalline Diblock Copolymers of Linear Polyethylene and Hydrogenated Polynorbornene. <i>Macromolecules</i> , 2011, 44, 8835-8844.	2.2	40
70	The crystal-crystal transition in hydrogenated ring-opened polynorbornenes: Tacticity, crystal thickening, and alignment. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 68-79.	2.4	21
71	Combinatorial Mapping of Substrate Step Edge Effects on Diblock Copolymer Thin Film Morphology and Orientation. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1003-1009.	2.0	3
72	cis/trans Gradients in living ring-opening metathesis polymerization. <i>Polymer</i> , 2010, 51, 4121-4126.	1.8	10

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73	Silicon nanowire polarizers for far ultraviolet (sub-200 nm) applications: Modeling and fabrication. <i>Journal of Applied Physics</i> , 2010, 107, 084305.	1.1	23
74	Shear alignment and realignment of sphere-forming and cylinder-forming block-copolymer thin films. <i>Physical Review E</i> , 2010, 81, 011503.	0.8	42
75	Controlling Order in Block Copolymer Thin Films for Nanopatterning Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2010, 1, 277-297.	3.3	115
76	Rheology and Structure of Molten, Olefin Multiblock Copolymers. <i>Macromolecules</i> , 2010, 43, 6789-6799.	2.2	91
77	Crystallization in Ordered Polydisperse Polyolefin Diblock Copolymers. <i>Macromolecules</i> , 2010, 43, 4761-4770.	2.2	54
78	Phase Behavior of Magnesium Stearate Blended with Polyethylene Ionomers. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 11906-11913.	1.8	10
79	Thermoplastic Elastomers with Composite Crystalline~Glassy Hard Domains and Single-Phase Melts. <i>Macromolecules</i> , 2010, 43, 4954-4960.	2.2	36
80	Crystallization of Defect-Free Polyethylene within Block Copolymer Mesophases. <i>Macromolecules</i> , 2010, 43, 393-401.	2.2	28
81	Thin Films of Block Copolymer~Homopolymer Blends with a Continuously Tunable Density of Spherical Microdomains. <i>Macromolecules</i> , 2010, 43, 6946-6949.	2.2	7
82	Plastic deformation of ethylene/methacrylic acid copolymers and ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1588-1598.	2.4	20
83	Microphase separation in block~random copolymers of styrene, 4~acetoxystyrene, and 4~hydroxystyrene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2106-2113.	2.4	23
84	Yielding in ethylene/methacrylic acid ionomers. <i>Polymer</i> , 2009, 50, 585-590.	1.8	17
85	C60 fullerene inclusions in low-molecular-weight polystyrene~poly(dimethylsiloxane) diblock copolymers. <i>Polymer</i> , 2009, 50, 4199-4204.	1.8	20
86	Shear-induced sphere-to-cylinder transition in diblock copolymer thin films. <i>Soft Matter</i> , 2009, 5, 1687.	1.2	51
87	Extensibility and Recovery in a Crystalline~Rubbery~Crystalline Triblock Copolymer. <i>Macromolecules</i> , 2009, 42, 6665-6670.	2.2	25
88	Synthesis of narrow-distribution polycyclopentene using a ruthenium ring-opening metathesis initiator. <i>Polymer</i> , 2008, 49, 877-882.	1.8	29
89	Nitroxide~mediated radical polymerization of <i>N</i> -ethyl~vinylcarbazole. <i>Polymers for Advanced Technologies</i> , 2008, 19, 556-559.	1.6	12
90	Poly(phenylethylnorbornene)s and their Hydrogenated Derivatives. <i>Macromolecular Rapid Communications</i> , 2008, 29, 713-718.	2.0	12

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91	Rate-dependence of yielding in ethylene- α -methacrylic acid copolymers. <i>Polymer</i> , 2008, 49, 992-998.	1.8	18
92	Block Copolymers Synthesized by ROMP-to-Anionic Polymerization Transformation. <i>Macromolecules</i> , 2008, 41, 5283-5288.	2.2	27
93	Crystalline- α -Crystalline Diblock Copolymers of Linear Polyethylene and Hydrogenated Polynorbornene. <i>Macromolecules</i> , 2008, 41, 6773-6779.	2.2	45
94	Writing mesoscale patterns in block copolymer thin films through channel flow of a nonsolvent fluid. <i>Applied Physics Letters</i> , 2007, 90, 163105.	1.5	22
95	Large-area, ordered hexagonal arrays of nanoscale holes or dots from block copolymer templates. <i>Applied Physics Letters</i> , 2007, 91, 143110.	1.5	13
96	Shear-Aligned Block Copolymer Thin Films as Nanofabrication Templates. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2007, 20, 493-498.	0.1	5
97	Aluminum nanowire polarizing grids: fabrication and analysis. , 2007, , .		1
98	Silicon nanowire grid polarizer for very deep ultraviolet fabricated from a shear-aligned diblock copolymer template. <i>Optics Letters</i> , 2007, 32, 3125.	1.7	26
99	Orientalional Order in Sphere-Forming Block Copolymer Thin Films Aligned under Shear. <i>Macromolecules</i> , 2007, 40, 7299-7305.	2.2	54
100	Self-Cleaning Resins. <i>Journal of the American Chemical Society</i> , 2007, 129, 5756-5759.	6.6	41
101	Enhanced Order of Block Copolymer Cylinders in Single- α -Layer Films Using a Sweeping Solidification Front. <i>Advanced Materials</i> , 2007, 19, 2687-2690.	11.1	56
102	Elevation of the glass transition temperature in flexible-chain semicrystalline polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1198-1204.	2.4	4
103	Imaging Block Copolymer Crystallization in Real Time with the Atomic Force Microscope. <i>Macromolecules</i> , 2006, 39, 703-710.	2.2	41
104	Shear alignment of sphere-morphology block copolymer thin films with viscous fluid flow. <i>Physical Review E</i> , 2006, 74, 040801.	0.8	53
105	Morphological Origin of the Multistep Relaxation Behavior in Semicrystalline Ethylene/Methacrylic Acid Ionomers. <i>Macromolecules</i> , 2006, 39, 1079-1086.	2.2	64
106	Ethylene/(meth)acrylic acid ionomers plasticized and reinforced by metal soaps. <i>Polymer</i> , 2006, 47, 2874-2883.	1.8	27
107	Aluminum nanowire polarizing grids: Fabrication and analysis. <i>Applied Physics Letters</i> , 2006, 88, 211114.	1.5	71
108	Mechanisms for current-induced conductivity changes in a conducting polymer. <i>Applied Physics Letters</i> , 2006, 89, 142109.	1.5	43

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109	Thin crystal melting produces the low-temperature endotherm in ethylene/methacrylic acid ionomers. <i>Polymer</i> , 2005, 46, 5118-5124.	1.8	54
110	Shear-Induced Alignment in Thin Films of Spherical Nanodomains. <i>Advanced Materials</i> , 2005, 17, 1878-1881.	11.1	146
111	Micromechanical interpretation of the modulus of ethylene-(meth)acrylic acid copolymers. <i>Polymer</i> , 2005, 46, 8838-8845.	1.8	41
112	Origin of directional tear in blown films of ethylene/methacrylic acid copolymers and ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 97-106.	2.4	11
113	Tear anisotropy in films blown from polyethylenes of different macromolecular architectures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 413-420.	2.4	14
114	Synthesis and Properties of Well-Defined Elastomeric Poly(alkylnorbornene)s and Their Hydrogenated Derivatives. <i>Macromolecules</i> , 2005, 38, 10320-10322.	2.2	39
115	Ordering mechanisms in two-dimensional sphere-forming block copolymers. <i>Physical Review E</i> , 2005, 71, 061803.	0.8	107
116	Hydrogenated Ring-Opened Polynorbornene: A Highly Crystalline Atactic Polymer. <i>Macromolecules</i> , 2005, 38, 1216-1222.	2.2	93
117	Dynamics of a Thermoreversible Transition between Cylindrical and Hexagonally Perforated Lamellar Mesophases. <i>Macromolecules</i> , 2005, 38, 7098-7104.	2.2	34
118	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , 2005, 38, 4947-4949.	2.2	50
119	Influence of Interfacial Constraints on the Morphology of Asymmetric Crystalline-Amorphous Diblock Copolymer Films. <i>Macromolecules</i> , 2005, 38, 7745-7753.	2.2	27
120	Macroscopic Orientation of Block Copolymer Cylinders in Single-Layer Films by Shearing. <i>Advanced Materials</i> , 2004, 16, 1736-1740.	11.1	317
121	Acyclic metathesis during ring-opening metathesis polymerization of cyclopentene. <i>Polymer</i> , 2004, 45, 6479-6485.	1.8	27
122	Matched Random Ionomers: Carboxylate vs Sulfonate. <i>Macromolecules</i> , 2004, 37, 10205-10207.	2.2	13
123	Pattern coarsening in a 2D hexagonal system. <i>Europhysics Letters</i> , 2004, 67, 800-806.	0.7	126
124	Equilibrium Control of Crystal Thickness and Melting Point through Block Copolymerization. <i>Macromolecules</i> , 2004, 37, 7278-7284.	2.2	46
125	Nano-arrays of optically addressable rare-earth-doped semiconductor quantum dots for quantum computing. , 2004, 5362, 43.		0
126	On the straight and narrow. <i>Nature</i> , 2003, 424, 378-379.	13.7	20

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127	Synthesis and Melt Dynamics of Model Sulfonated Ionomers. <i>Macromolecules</i> , 2003, 36, 1170-1177.	2.2	33
128	A replaceable, low thermal mass hot stage for scanning probe microscopy. <i>Review of Scientific Instruments</i> , 2003, 74, 1390-1392.	0.6	8
129	Correction for piezoelectric creep in scanning probe microscopy images using polynomial mapping. <i>Scanning</i> , 2003, 25, 25-33.	0.7	13
130	Rapid method to measure diffusion of paramagnetic species: Mn ²⁺ in poly(ethylene-co-methacrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	3
131	Scaling of Domain Spacing in Concentrated Solutions of Block Copolymers in Selective Solvents. <i>Macromolecules</i> , 2002, 35, 4044-4049.	2.2	54
132	The Role of Excess Acid Groups in the Dynamics of Ethylene [~] Methacrylic Acid Ionomer Melts. <i>Macromolecules</i> , 2002, 35, 6284-6290.	2.2	46
133	Ion Hopping in Ethylene [~] Methacrylic Acid Ionomer Melts As Probed by Rheometry and Cation Diffusion Measurements. <i>Macromolecules</i> , 2002, 35, 2358-2364.	2.2	84
134	Steady-Shear Rheology of Block Copolymer Melts: [~] Zero-Shear Viscosity and Shear Disordering in Body-Centered-Cubic Systems. <i>Macromolecules</i> , 2002, 35, 2700-2706.	2.2	44
135	Phase Behavior of Styrene [~] Isoprene Diblock Copolymers in Strongly Selective Solvents. <i>Macromolecules</i> , 2002, 35, 841-849.	2.2	103
136	Well-Defined Diblock Copolymers via Termination of Living ROMP with Anionically Polymerized Macromolecular Aldehydes. <i>Macromolecules</i> , 2002, 35, 1985-1987.	2.2	36
137	Steady-Shear Rheology of Block Copolymer Melts and Concentrated Solutions: [~] Disordering Stress in Body-Centered-Cubic Systems. <i>Macromolecules</i> , 2002, 35, 2707-2713.	2.2	61
138	Viscoelastic Properties of Entangled Star Polymer Melts: [~] Comparison of Theory and Experiment. <i>Macromolecules</i> , 2002, 35, 169-177.	2.2	25
139	Steady-shear rheology of block copolymer melts and concentrated solutions: Defect-mediated flow at low stresses in body-centered-cubic systems. <i>Journal of Rheology</i> , 2002, 46, 863.	1.3	38
140	Modes of Crystallization in Block Copolymer Microdomains: [~] Breakout, Templated, and Confined. <i>Macromolecules</i> , 2002, 35, 2365-2374.	2.2	426
141	Dynamics of pattern coarsening in a two-dimensional smectic system. <i>Physical Review E</i> , 2002, 66, 011706.	0.8	180
142	Well-Ordered Microdomain Structures in Polydisperse Poly(styrene) [~] Poly(acrylic acid) Diblock Copolymers from Controlled Radical Polymerization. <i>Macromolecules</i> , 2002, 35, 6645-6649.	2.2	149
143	In memoriam. Bryce Maxwell. 1919-2001. <i>Polymer Engineering and Science</i> , 2002, 42, 663-664.	1.5	0
144	Efficient emission from a europium complex containing dendron-substituted diketone ligands. <i>Thin Solid Films</i> , 2002, 416, 212-217.	0.8	24

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145	Effect of carbazole-oxadiazole excited-state complexes on the efficiency of dye-doped light-emitting diodes. <i>Journal of Applied Physics</i> , 2002, 91, 6717.	1.1	113
146	Polymer Crystallization Confined in One, Two, or Three Dimensions. <i>Macromolecules</i> , 2001, 34, 8968-8977.	2.2	318
147	Large area dense nanoscale patterning of arbitrary surfaces. <i>Applied Physics Letters</i> , 2001, 79, 257-259.	1.5	169
148	Phase behavior and viscoelastic properties of entangled block copolymer gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2183-2197.	2.4	67
149	Block copolymer molecular weight determination via gel permeation chromatography: Choosing a combining rule. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2056-2069.	1.3	36
150	Lateral Dye Distribution With Ink-Jet Dye Doping of Polymer Organic Light Emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2000, 624, 211.	0.1	6
151	Lateral Dye Distribution With Ink-Jet Dye Doping of Polymer Organic Light Emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2000, 625, 123.	0.1	3
152	Direct imaging of polyethylene crystallites within block copolymer microdomains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 2564-2570.	2.4	31
153	Mechanisms of Ordering in Striped Patterns. , 2000, 290, 1558-1560.		338
154	Mixed Lamellar Films: Evolution, Commensurability Effects, and Preferential Defect Formation. <i>Macromolecules</i> , 2000, 33, 80-88.	2.2	110
155	Polyethylene Crystal Orientation Induced by Block Copolymer Cylinders. <i>Macromolecules</i> , 2000, 33, 8361-8366.	2.2	80
156	Phase Behavior of Styrene-Isoprene Diblock Derivatives with Varying Conformational Asymmetry. <i>Macromolecules</i> , 2000, 33, 3461-3466.	2.2	29
157	Reducing Substrate Pinning of Block Copolymer Microdomains with a Buffer Layer of Polymer Brushes. <i>Macromolecules</i> , 2000, 33, 857-865.	2.2	116
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