

# Richard A Register

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Block Copolymer Lithography: Periodic Arrays of 1011 Holes in 1&nbsp;Square Centimeter. <i>Science</i> , 1997, 276, 1401-1404.	12.6	1,814
2	Modes of Crystallization in Block Copolymer Microdomains:Â Breakout, Templated, and Confined. <i>Macromolecules</i> , 2002, 35, 2365-2374.	4.8	426
3	Mechanisms of Ordering in Striped Patterns. , 2000, 290, 1558-1560.		338
4	Polymer Crystallization in 25-nm Spheres. <i>Physical Review Letters</i> , 2000, 84, 4120-4123.	7.8	331
5	Polymer Crystallization Confined in One, Two, or Three Dimensions. <i>Macromolecules</i> , 2001, 34, 8968-8977.	4.8	318
6	Macroscopic Orientation of Block Copolymer Cylinders in Single-Layer Films by Shearing. <i>Advanced Materials</i> , 2004, 16, 1736-1740.	21.0	317
7	Using Surface Active Random Copolymers To Control the Domain Orientation in Diblock Copolymer Thin Films. <i>Macromolecules</i> , 1998, 31, 7641-7650.	4.8	300
8	Flexible Piezoelectric PMNâ€PT Nanowire-Based Nanocomposite and Device. <i>Nano Letters</i> , 2013, 13, 2393-2398.	9.1	290
9	Dense arrays of ordered GaAs nanostructures by selective area growth on substrates patterned by block copolymer lithography. <i>Applied Physics Letters</i> , 2000, 76, 1689-1691.	3.3	255
10	Efficient organic electroluminescent devices using single-layer doped polymer thin films with bipolar carrier transport abilities. <i>IEEE Transactions on Electron Devices</i> , 1997, 44, 1269-1281.	3.0	188
11	Morphology of semicrystalline block copolymers of ethylene-(ethylene-alt-propylene). <i>Macromolecules</i> , 1993, 26, 4640-4645.	4.8	187
12	Nanolithographic templates from diblock copolymer thin films. <i>Applied Physics Letters</i> , 1996, 68, 2586-2588.	3.3	186
13	Crystallization of Asymmetric Diblock Copolymers from Microphase-Separated Melts. <i>Macromolecules</i> , 1997, 30, 4551-4558.	4.8	180
14	Dynamics of pattern coarsening in a two-dimensional smectic system. <i>Physical Review E</i> , 2002, 66, 011706.	2.1	180
15	Large area dense nanoscale patterning of arbitrary surfaces. <i>Applied Physics Letters</i> , 2001, 79, 257-259.	3.3	169
16	Chain Orientation in Block Copolymers Exhibiting Cylindrically Confined Crystallization. <i>Macromolecules</i> , 1998, 31, 4891-4898.	4.8	166
17	Dynamics of Structure Formation in Crystallizable Block Copolymers. <i>Macromolecules</i> , 1995, 28, 1422-1428.	4.8	163
18	Low-Shear Melt Rheology of Partially-Neutralized Ethyleneâ~Methacrylic Acid Ionomers. <i>Macromolecules</i> , 1996, 29, 598-604.	4.8	152

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19	Well-Ordered Microdomain Structures in Polydisperse Poly(styrene)-b-Poly(acrylic acid) Diblock Copolymers from Controlled Radical Polymerization. <i>Macromolecules</i> , 2002, 35, 6645-6649.	4.8	149
20	Observation of a reversible thermotropic order-order transition in a diblock copolymer. <i>Macromolecules</i> , 1994, 27, 490-501.	4.8	147
21	Shear-Induced Alignment in Thin Films of Spherical Nanodomains. <i>Advanced Materials</i> , 2005, 17, 1878-1881.	21.0	146
22	Lithography with a mask of block copolymer microstructures. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998, 16, 544.	1.6	132
23	Crystallization of a Weakly Segregated Polyolefin Diblock Copolymer. <i>Macromolecules</i> , 1995, 28, 4932-4938.	4.8	126
24	Pattern coarsening in a 2D hexagonal system. <i>Europhysics Letters</i> , 2004, 67, 800-806.	2.0	126
25	Dynamics of Structure Formation and Crystallization in Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 1997, 30, 8338-8343.	4.8	120
26	Reducing Substrate Pinning of Block Copolymer Microdomains with a Buffer Layer of Polymer Brushes. <i>Macromolecules</i> , 2000, 33, 857-865.	4.8	116
27	Controlling Order in Block Copolymer Thin Films for Nanopatterning Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2010, 1, 277-297.	6.8	115
28	Anomalous small-angle x-ray scattering from a sulfonated polystyrene ionomer. <i>Macromolecules</i> , 1988, 21, 1698-1703.	4.8	113
29	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.	2.5	113
30	Mixed Lamellar Films: Evolution, Commensurability Effects, and Preferential Defect Formation. <i>Macromolecules</i> , 2000, 33, 80-88.	4.8	110
31	Rheology and the Microphase Separation Transition in Styrene-Isoprene Block Copolymers. <i>Macromolecules</i> , 1994, 27, 6026-6032.	4.8	107
32	Ordering mechanisms in two-dimensional sphere-forming block copolymers. <i>Physical Review E</i> , 2005, 71, 061803.	2.1	107
33	Phase Behavior of Styrene-Isoprene Diblock Copolymers in Strongly Selective Solvents. <i>Macromolecules</i> , 2002, 35, 841-849.	4.8	103
34	Depth Profiling Block Copolymer Microdomains. <i>Macromolecules</i> , 1998, 31, 2185-2189.	4.8	100
35	Ordering Dynamics of Compositionally Asymmetric Styrene-Isoprene Block Copolymers. <i>Macromolecules</i> , 1996, 29, 2929-2938.	4.8	99
36	Electroluminescent properties of self-assembled polymer thin films. <i>Advanced Materials</i> , 1995, 7, 395-398.	21.0	94

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37	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.	2.1	94
38	Hydrogenated Ring-Opened Polynorbornene: A Highly Crystalline Atactic Polymer. <i>Macromolecules</i> , 2005, 38, 1216-1222.	4.8	93
39	Rheology and Structure of Molten, Olefin Multiblock Copolymers. <i>Macromolecules</i> , 2010, 43, 6789-6799.	4.8	91
40	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 910-916.	2.1	88
41	Integrated three-color organic light-emitting devices. <i>Applied Physics Letters</i> , 1996, 69, 3117-3119.	3.3	86
42	Ion Hopping in Ethylene-Methacrylic Acid Ionomer Melts As Probed by Rheometry and Cation Diffusion Measurements. <i>Macromolecules</i> , 2002, 35, 2358-2364.	4.8	84
43	Melt and Solid-State Structures of Polydisperse Polyolefin Multiblock Copolymers. <i>Macromolecules</i> , 2012, 45, 5773-5781.	4.8	82
44	High-Pressure Effects on the Order-Disorder Transition in Block Copolymer Melts. <i>Macromolecules</i> , 1996, 29, 1473-1481.	4.8	81
45	Layer by layer imaging of diblock copolymer films with a scanning electron microscope. <i>Polymer</i> , 1998, 39, 2733-2744.	3.8	81
46	Polyethylene Crystal Orientation Induced by Block Copolymer Cylinders. <i>Macromolecules</i> , 2000, 33, 8361-8366.	4.8	80
47	Statistical Copolymers with Side-Chain Hole and Electron Transport Groups for Single-Layer Electroluminescent Device Applications. <i>Chemistry of Materials</i> , 2000, 12, 2542-2549.	6.7	80
48	Influence of Chain Stiffness on Thermal and Mechanical Properties of Polymer Thin Films. <i>Macromolecules</i> , 2011, 44, 9040-9045.	4.8	77
49	Synthesis of Narrow-Distribution "Perfect" Polyethylene and Its Block Copolymers by Polymerization of Cyclopentene. <i>Macromolecules</i> , 2000, 33, 9215-9221.	4.8	75
50	Aluminum nanowire polarizing grids: Fabrication and analysis. <i>Applied Physics Letters</i> , 2006, 88, 211114.	3.3	71
51	Poly(p-phenylene vinylene)/tris(8-hydroxy) quinoline aluminum heterostructure light emitting diode. <i>Applied Physics Letters</i> , 1995, 66, 653-655.	3.3	70
52	Biosynthesis and characterization of hydroxybutyrate-hydroxycaproate copolymers. <i>International Journal of Biological Macromolecules</i> , 1995, 17, 86-92.	7.5	68
53	Large-Area Nanosquare Arrays from Shear-Aligned Block Copolymer Thin Films. <i>Nano Letters</i> , 2014, 14, 5698-5705.	9.1	68
54	Carboxylate-containing chain-extended polyurethanes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991, 29, 581-588.	2.1	67

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55	Phase behavior and viscoelastic properties of entangled block copolymer gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2183-2197.	2.1	67
56	Miscible blends of zinc-neutralized sulfonated polystyrene and poly(2,6-dimethyl 1,4-phenylene oxide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1992, 30, 569-575.	2.1	65
57	Rapid Production of Internally Structured Colloids by Flash Nanoprecipitation of Block Copolymer Blends. <i>ACS Nano</i> , 2018, 12, 4660-4668.	14.6	65
58	Morphological Origin of the Multistep Relaxation Behavior in Semicrystalline Ethylene/Methacrylic Acid Ionomers. <i>Macromolecules</i> , 2006, 39, 1079-1086.	4.8	64
59	Alignment of perpendicular lamellae in block copolymer thin films by shearing. <i>Soft Matter</i> , 2012, 8, 5358.	2.7	63
60	Steady-Shear Rheology of Block Copolymer Melts and Concentrated Solutions: A Disordering Stress in Body-Centered-Cubic Systems. <i>Macromolecules</i> , 2002, 35, 2707-2713.	4.8	61
61	Morphologies of strongly segregated polystyrene-poly(dimethylsiloxane) diblock copolymers. <i>Polymer</i> , 1995, 36, 1569-1575.	3.8	59
62	Orientation of triblock copolymers in planar extension. <i>Polymer Engineering and Science</i> , 1996, 36, 1414-1424.	3.1	59
63	Synthesis and characterization of sulphonated polyurethane ionomers based on toluene diisocyanate. <i>Polymer</i> , 1989, 30, 1204-1212.	3.8	57
64	Enhanced Order of Block Copolymer Cylinders in Single-Layer Films Using a Sweeping Solidification Front. <i>Advanced Materials</i> , 2007, 19, 2687-2690.	21.0	56
65	Metal-Containing Block Copolymer Thin Films Yield Wire Grid Polarizers with High Aspect Ratio. <i>Advanced Materials</i> , 2014, 26, 791-795.	21.0	56
66	Scaling of Domain Spacing in Concentrated Solutions of Block Copolymers in Selective Solvents. <i>Macromolecules</i> , 2002, 35, 4044-4049.	4.8	54
67	Thin crystal melting produces the low-temperature endotherm in ethylene/methacrylic acid ionomers. <i>Polymer</i> , 2005, 46, 5118-5124.	3.8	54
68	Orientational Order in Sphere-Forming Block Copolymer Thin Films Aligned under Shear. <i>Macromolecules</i> , 2007, 40, 7299-7305.	4.8	54
69	Crystallization in Ordered Polydisperse Polyolefin Diblock Copolymers. <i>Macromolecules</i> , 2010, 43, 4761-4770.	4.8	54
70	Shear alignment of sphere-morphology block copolymer thin films with viscous fluid flow. <i>Physical Review E</i> , 2006, 74, 040801.	2.1	53
71	Direct observation of ionic aggregates in sulphonated polystyrene ionomers. <i>Polymer</i> , 1989, 30, 1227-1233.	3.8	52
72	Shear-induced sphere-to-cylinder transition in diblock copolymer thin films. <i>Soft Matter</i> , 2009, 5, 1687.	2.7	51

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73	Mechanical Properties of Star Block Polymer Thermoplastic Elastomers with Glassy and Crystalline End Blocks. <i>Macromolecules</i> , 2016, 49, 9521-9530.	4.8	51
74	Anomalous small-angle x-ray scattering from nickel-neutralized ionomers. 2. Semicrystalline polymer matrixes. <i>Macromolecules</i> , 1990, 23, 318-323.	4.8	50
75	A Highly Regular Hexagonally Perforated Lamellar Structure in a Quiescent Diblock Copolymer. <i>Macromolecules</i> , 2005, 38, 4947-4949.	4.8	50
76	Crystallization and Ionic Associations in Semicrystalline Ionomers. <i>Macromolecules</i> , 1998, 31, 1432-1435.	4.8	49
77	Anomalous Attractive Interactions in Polypropylene Blends. <i>Macromolecules</i> , 1997, 30, 3036-3041.	4.8	48
78	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.	6.7	47
79	MDI-based polyurethane ionomers. 1. New small-angle x-ray scattering model. <i>Macromolecules</i> , 1988, 21, 998-1004.	4.8	46
80	The Role of Excess Acid Groups in the Dynamics of Ethylene- <i>g</i> -Methacrylic Acid Ionomer Melts. <i>Macromolecules</i> , 2002, 35, 6284-6290.	4.8	46
81	Equilibrium Control of Crystal Thickness and Melting Point through Block Copolymerization. <i>Macromolecules</i> , 2004, 37, 7278-7284.	4.8	46
82	Crystallization Within Block Copolymer Mesophases. , 0, , 213-243.		46
83	Photophysical Properties, Self-Assembled Thin Films, and Light-Emitting Diodes of Poly( <i>p</i> -pyridylvinylene)s and Poly( <i>p</i> -pyridinium vinylene)s. <i>Chemistry of Materials</i> , 1995, 7, 2190-2198.	6.7	45
84	Thermodynamics of Mixing for Statistical Copolymers of Ethylene and $\alpha$ -Olefins. <i>Macromolecules</i> , 1998, 31, 7886-7894.	4.8	45
85	Crystalline- <i>g</i> -Crystalline Diblock Copolymers of Linear Polyethylene and Hydrogenated Polynorbornene. <i>Macromolecules</i> , 2008, 41, 6773-6779.	4.8	45
86	Interaction Strengths in Styrene- <i>g</i> -Diene Block Copolymers and Their Hydrogenated Derivatives. <i>Macromolecules</i> , 1998, 31, 201-204.	4.8	44
87	Steady-Shear Rheology of Block Copolymer Melts: $\dot{\gamma}$ Zero-Shear Viscosity and Shear Disordering in Body-Centered-Cubic Systems. <i>Macromolecules</i> , 2002, 35, 2700-2706.	4.8	44
88	Living Vinyl Addition Polymerization of Substituted Norbornenes by a <i>tert</i> -Bu <sub>3</sub> P-Ligated Methylpalladium Complex. <i>ACS Macro Letters</i> , 2015, 4, 327-330.	4.8	44
89	Mechanisms for current-induced conductivity changes in a conducting polymer. <i>Applied Physics Letters</i> , 2006, 89, 142109.	3.3	43
90	High-Pressure Effects on the Disordered Phase of Block Copolymer Melts. <i>Macromolecules</i> , 1995, 28, 7148-7156.	4.8	42

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91	Shear alignment and realignment of sphere-forming and cylinder-forming block-copolymer thin films. <i>Physical Review E</i> , 2010, 81, 011503.	2.1	42
92	Anomalous small-angle x-ray scattering from nickel-neutralized ionomers. 1. Amorphous polymer matrixes. <i>Macromolecules</i> , 1990, 23, 310-317.	4.8	41
93	Micromechanical interpretation of the modulus of ethylene-(meth)acrylic acid copolymers. <i>Polymer</i> , 2005, 46, 8838-8845.	3.8	41
94	Imaging Block Copolymer Crystallization in Real Time with the Atomic Force Microscope. <i>Macromolecules</i> , 2006, 39, 703-710.	4.8	41
95	Self-Cleaning Resins. <i>Journal of the American Chemical Society</i> , 2007, 129, 5756-5759.	13.7	41
96	Small-angle X-ray scattering from sulphonated polyurethane ionomers based on toluene diisocyanate. <i>Polymer</i> , 1989, 30, 1213-1220.	3.8	40
97	Solid-State Structure and Crystallization in Double-Crystalline Diblock Copolymers of Linear Polyethylene and Hydrogenated Polynorbornene. <i>Macromolecules</i> , 2011, 44, 8835-8844.	4.8	40
98	Creating Controlled Thickness Gradients in Polymer Thin Films via Flowcoating. <i>Langmuir</i> , 2014, 30, 5637-5644.	3.5	40
99	MDI-based polyurethane ionomers. 2. Structure-property relationships. <i>Macromolecules</i> , 1988, 21, 1005-1008.	4.8	39
100	Structure-property relationships in elastomeric carboxy-telechelic polyisoprene ionomers neutralized with divalent cations. <i>Macromolecules</i> , 1988, 21, 1009-1015.	4.8	39
101	Synthesis and Properties of Well-Defined Elastomeric Poly(alkylnorbornene)s and Their Hydrogenated Derivatives. <i>Macromolecules</i> , 2005, 38, 10320-10322.	4.8	39
102	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.	2.6	38
103	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	4.8	37
104	Block copolymer molecular weight determination via gel permeation chromatography: Choosing a combining rule. <i>Journal of Applied Polymer Science</i> , 2001, 82, 2056-2069.	2.6	36
105	Well-Defined Diblock Copolymers via Termination of Living ROMP with Anionically Polymerized Macromolecular Aldehydes. <i>Macromolecules</i> , 2002, 35, 1985-1987.	4.8	36
106	Thermoplastic Elastomers with Composite Crystalline~Glassy Hard Domains and Single-Phase Melts. <i>Macromolecules</i> , 2010, 43, 4954-4960.	4.8	36
107	Direct Measurement of the Local Glass Transition in Self-Assembled Copolymers with Nanometer Resolution. <i>ACS Central Science</i> , 2018, 4, 504-511.	11.3	35
108	X-ray absorption spectroscopy studies of zinc-neutralized ethylene-methacrylic acid ionomers. <i>Polymer</i> , 1999, 40, 283-288.	3.8	34

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109	Dynamics of a Thermoreversible Transition between Cylindrical and Hexagonally Perforated Lamellar Mesophases. <i>Macromolecules</i> , 2005, 38, 7098-7104.	4.8	34
110	Synthesis and Melt Dynamics of Model Sulfonated Ionomers. <i>Macromolecules</i> , 2003, 36, 1170-1177.	4.8	33
111	Thin Films of Homopolymers and Cylinder-Forming Diblock Copolymers under Shear. <i>ACS Nano</i> , 2014, 8, 8015-8026.	14.6	33
112	Influence of Semicrystalline Homopolymer Addition on the Morphology of Semicrystalline Diblock Copolymers. <i>Macromolecules</i> , 1997, 30, 494-502.	4.8	32
113	Synthesis and Phase Behavior of Block-Random Copolymers of Styrene and Hydrogenated Isoprene. <i>Macromolecules</i> , 2011, 44, 4313-4319.	4.8	32
114	Simulations of shear-induced morphological transitions in block copolymers. <i>Soft Matter</i> , 2013, 9, 9960.	2.7	32
115	Defect formation and coarsening in hexagonal 2D curved crystals. <i>Soft Matter</i> , 2015, 11, 898-907.	2.7	32
116	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.	4.8	32
117	Nanodispersed cobalt particles in a thermolysed poly(acrylonitrile) matrix. <i>Journal of Materials Chemistry</i> , 1995, 5, 1197.	6.7	31
118	Characterization of the Microdomain Structure in Polystyrene- <i>b</i> -Polyisoprene Block Copolymers by <sup>1</sup> H Spin Diffusion and Small-Angle X-ray Scattering Methods. <i>Macromolecules</i> , 1998, 31, 3282-3291.	4.8	31
119	Direct imaging of polyethylene crystallites within block copolymer microdomains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 2564-2570.	2.1	31
120	Coupling between mean curvature and textures in block copolymer thin films deposited on curved substrates. <i>Soft Matter</i> , 2013, 9, 9385.	2.7	30
121	Thermoplastic Elastomers via Combined Crystallization and Vitrification from Homogeneous Melts. <i>Macromolecules</i> , 2016, 49, 269-279.	4.8	30
122	Effect of thermal treatment on cation local structure in manganese-neutralized sulfonated polystyrene ionomers. <i>Macromolecules</i> , 1989, 22, 2224-2229.	4.8	29
123	Phase Behavior of Styrene- <i>b</i> -Isoprene Diblock Derivatives with Varying Conformational Asymmetry. <i>Macromolecules</i> , 2000, 33, 3461-3466.	4.8	29
124	Synthesis of narrow-distribution polycyclopentene using a ruthenium ring-opening metathesis initiator. <i>Polymer</i> , 2008, 49, 877-882.	3.8	29
125	Crystallization of Defect-Free Polyethylene within Block Copolymer Mesophases. <i>Macromolecules</i> , 2010, 43, 393-401.	4.8	28
126	Vinyl Addition Copolymers of Norbornylnorbornene and Hydroxyhexafluoroisopropylnorbornene for Efficient Recovery of <i>n</i> -Butanol from Dilute Aqueous Solution via Pervaporation. <i>Macromolecules</i> , 2018, 51, 3702-3710.	4.8	28



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127	Acyclic metathesis during ring-opening metathesis polymerization of cyclopentene. <i>Polymer</i> , 2004, 45, 6479-6485.	3.8	27
128	Influence of Interfacial Constraints on the Morphology of Asymmetric Crystalline-Amorphous Diblock Copolymer Films. <i>Macromolecules</i> , 2005, 38, 7745-7753.	4.8	27
129	Ethylene/(meth)acrylic acid ionomers plasticized and reinforced by metal soaps. <i>Polymer</i> , 2006, 47, 2874-2883.	3.8	27
130	Block Copolymers Synthesized by ROMP-to-Anionic Polymerization Transformation. <i>Macromolecules</i> , 2008, 41, 5283-5288.	4.8	27
131	Silicon nanowire grid polarizer for very deep ultraviolet fabricated from a shear-aligned diblock copolymer template. <i>Optics Letters</i> , 2007, 32, 3125.	3.3	26
132	Continuity through dispersity. <i>Nature</i> , 2012, 483, 167-168.	27.8	26
133	Crystallization dynamics on curved surfaces. <i>Physical Review E</i> , 2013, 88, 012306.	2.1	26
134	<i>Endo/Exo</i> Reactivity Ratios in Living Vinyl Addition Polymerization of Substituted Norbornenes. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800059.	2.2	26
135	Viscoelastic Properties of Entangled Star Polymer Melts: A Comparison of Theory and Experiment. <i>Macromolecules</i> , 2002, 35, 169-177.	4.8	25
136	Extensibility and Recovery in a Crystalline~Rubbery~Crystalline Triblock Copolymer. <i>Macromolecules</i> , 2009, 42, 6665-6670.	4.8	25
137	Efficient emission from a europium complex containing dendron-substituted diketone ligands. <i>Thin Solid Films</i> , 2002, 416, 212-217.	1.8	24
138	Progression of Alignment in Thin Films of Cylinder-Forming Block Copolymers upon Shearing. <i>Macromolecules</i> , 2015, 48, 5339-5347.	4.8	24
139	Oriented $\beta$ -isotactic polypropylene crystallized at atmospheric pressure. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 2821-2827.	2.1	23
140	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.	2.1	23
141	Silicon nanowire polarizers for far ultraviolet (sub-200 nm) applications: Modeling and fabrication. <i>Journal of Applied Physics</i> , 2010, 107, 084305.	2.5	23
142	Sphere-to-Cylinder Transitions in Thin Films of Diblock Copolymers under Shear: The Role of Wetting Layers. <i>Macromolecules</i> , 2012, 45, 4406-4415.	4.8	23
143	Morphology of lightly carboxylated polystyrene ionomers. <i>Macromolecules</i> , 1993, 26, 2791-2795.	4.8	22
144	Writing mesoscale patterns in block copolymer thin films through channel flow of a nonsolvent fluid. <i>Applied Physics Letters</i> , 2007, 90, 163105.	3.3	22

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145	Orientational order in cylinder-forming block copolymer thin films. <i>Physical Review E</i> , 2012, 86, 021507.	2.1	22
146	Effect of ionic aggregation on ionomer chain dimensions. 1. Telechelic polystyrenes. <i>Macromolecules</i> , 1990, 23, 2978-2983.	4.8	21
147	Miscibility of polystyrene-based ionomers with poly(2,6-dimethyl-1,4-phenylene oxide). <i>Macromolecules</i> , 1993, 26, 2796-2801.	4.8	21
148	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.	2.1	21
149	Self-Assembly of Cylinder-Forming Diblock Copolymer Thin Films. <i>Macromolecules</i> , 2013, 46, 6651-6658.	4.8	21
150	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.	4.8	21
151	Effects of matrix polarity and ambient aging on the morphology of sulfonated polyurethane ionomers. <i>Polymer Bulletin</i> , 1989, 22, 565-571.	3.3	20
152	On the straight and narrow. <i>Nature</i> , 2003, 424, 378-379.	27.8	20
153	Plastic deformation of ethylene/methacrylic acid copolymers and ionomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1588-1598.	2.1	20
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