

# Frank S Bates

## List of Publications by Year in descending order

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460  
papers

50,497  
citations

1981

104  
h-index

2142

209  
g-index

464  
all docs

464  
docs citations

464  
times ranked

24628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature Dependence of Chain Conformations and Fibril Formation in Solutions of Poly( <i>N</i> -isopropylacrylamide)-Grafted Methylcellulose. <i>Macromolecules</i> , 2022, 55, 550-558.	2.2	4
2	Defining the Macromolecules of Tomorrow through Synergistic Sustainable Polymer Research. <i>Chemical Reviews</i> , 2022, 122, 6322-6373.	23.0	99
3	Phase Behavior of Linear-Bottlebrush Block Polymers. <i>Macromolecules</i> , 2022, 55, 2821-2831.	2.2	14
4	Synthesis and Micellization of Bottlebrush Poloxamers. <i>ACS Macro Letters</i> , 2022, 11, 460-467.	2.3	7
5	Toughening Polylactide with Graft-Block Polymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3408-3416.	2.0	6
6	Laves Phase Field in a Diblock Copolymer Alloy. <i>Macromolecules</i> , 2022, 55, 2991-2998.	2.2	11
7	Nondestructive Photo-Cross-Linking of Microphase-Separated Diblock Polymers through Coumarin Dimerization. <i>Macromolecules</i> , 2022, 55, 3317-3324.	2.2	4
8	Alternating Gyroid in Block Polymer Blends. <i>ACS Macro Letters</i> , 2022, 11, 643-650.	2.3	6
9	Concentration Threshold for Membrane Protection by PEO- <i>b</i> -PPO Block Copolymers with Variable Molecular Architectures. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3259-3269.	2.0	4
10	Stabilizing a Double Gyroid Network Phase with 2 nm Feature Size by Blending of Lamellar and Cylindrical Forming Block Oligomers. <i>Jacs Au</i> , 2022, 2, 1405-1416.	3.6	5
11	Self-Assembly of Partially Charged Diblock Copolymer-Homopolymer Ternary Blends. <i>Macromolecules</i> , 2022, 55, 4766-4775.	2.2	8
12	Impact of Side-Chain Length on the Self-Assembly of Linear-Bottlebrush Diblock Copolymers. <i>Macromolecules</i> , 2022, 55, 4947-4955.	2.2	7
13	Improved Polypropylene Thermoformability through Polyethylene Layering. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 34134-34142.	4.0	2
14	Methyl cellulose solutions and gels: fibril formation and gelation properties. <i>Progress in Polymer Science</i> , 2021, 112, 101324.	11.8	63
15	Polyolefin graft copolymers through a ring-opening metathesis grafting through approach. <i>Polymer Chemistry</i> , 2021, 12, 2075-2083.	1.9	10
16	Bottlebrush Polymer Excipients Enhance Drug Solubility: Influence of End-Group Hydrophilicity and Thermoresponsiveness. <i>ACS Macro Letters</i> , 2021, 10, 375-381.	2.3	28
17	Effects of a Layered Morphology on Drip Suppression in Burning Polymers. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1664-1674.	2.0	8
18	Salt-Dependent Structure in Methylcellulose Fibrillar Gels. <i>Macromolecules</i> , 2021, 54, 2090-2100.	2.2	7

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19	Quasicrystals and Their Approximants in a Crystalline–Amorphous Diblock Copolymer. <i>Macromolecules</i> , 2021, 54, 2647-2660.	2.2	28
20	Mechanical and Structural Consequences of Associative Dynamic Cross-Linking in Acrylic Diblock Copolymers. <i>Macromolecules</i> , 2021, 54, 3972-3986.	2.2	48
21	Reevaluation of Poly(ethylene-propylene)-block-Polydimethylsiloxane Phase Behavior Uncovers Topological Close-Packing and Epitaxial Quasicrystal Growth. <i>ACS Nano</i> , 2021, 15, 9453-9468.	7.3	19
22	Regioregular Polymers from Biobased ( <i>R</i> )-1,3-Butylene Carbonate. <i>Macromolecules</i> , 2021, 54, 5974-5984.	2.2	9
23	Complex Phase Behavior in Particle-Forming AB/AB <sup>2</sup> Diblock Copolymer Blends with Variable Core Block Lengths. <i>Macromolecules</i> , 2021, 54, 7088-7101.	2.2	27
24	Influence of Charge Fraction on the Phase Behavior of Symmetric Single-Ion Conducting Diblock Copolymers. <i>ACS Macro Letters</i> , 2021, 10, 1035-1040.	2.3	14
25	Block Copolymer and Nanosilica-Modified Epoxy Nanocomposites. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4156-4167.	2.0	13
26	Phase Behavior of Salt-Doped A/B/AB Ternary Polymer Blends: The Role of Homopolymer Distribution. <i>Macromolecules</i> , 2021, 54, 6990-7002.	2.2	8
27	Identifying a critical micelle temperature in simulations of disordered asymmetric diblock copolymer melts. <i>Physical Review Materials</i> , 2021, 5, .	0.9	3
28	Stability of the Double Gyroid Phase in Bottlebrush Diblock Copolymer Melts. <i>Macromolecules</i> , 2021, 54, 9063-9070.	2.2	14
29	Porous Fibers Templated by Melt Blowing Cocontinuous Immiscible Polymer Blends. <i>ACS Macro Letters</i> , 2021, 10, 1196-1203.	2.3	11
30	Open-source platform for block polymer formulation design using particle swarm optimization. <i>European Physical Journal E</i> , 2021, 44, 115.	0.7	4
31	Phase Behavior of Diblock Copolymer–Homopolymer Ternary Blends with a Compositionally Asymmetric Diblock Copolymer. <i>Macromolecules</i> , 2021, 54, 460-472.	2.2	13
32	Crazing and Toughness in Diblock Copolymer-Modified Semicrystalline Poly( <i>scpl</i> -lactide). <i>Macromolecules</i> , 2021, 54, 11154-11169.	2.2	13
33	Impact of Macromonomer Molar Mass and Feed Composition on Branch Distributions in Model Graft Copolymerizations. <i>ACS Macro Letters</i> , 2021, 10, 1622-1628.	2.3	11
34	Bimodal Nanofiber and Microfiber Nonwovens by Melt-Blowing Immiscible Ternary Polymer Blends. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5238-5246.	1.8	18
35	Internal Structure of Methylcellulose Fibrils. <i>Macromolecules</i> , 2020, 53, 398-405.	2.2	22
36	Adhesion Strength of Block Copolymer Toughened Epoxy on Aluminum. <i>ACS Applied Polymer Materials</i> , 2020, 2, 464-474.	2.0	26

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37	Effect of Solvent Selectivity on Chain Exchange Kinetics in Block Copolymer Micelles. <i>Macromolecules</i> , 2020, 53, 417-426.	2.2	19
38	Hydrogenolysis of Linear Low-Density Polyethylene during Heterogeneous Catalytic Hydrogen-Deuterium Exchange. <i>Macromolecules</i> , 2020, 53, 6043-6055.	2.2	27
39	Compatibilization of <i>i</i> /PP/HDPE Blends with PE- <i>g</i> - <i>i</i> /PP Graft Copolymers. <i>ACS Macro Letters</i> , 2020, 9, 1161-1166.	2.3	45
40	Influence of Added Salt on Chain Conformations in Poly(ethylene oxide) Melts: SANS Analysis with Complications. <i>Macromolecules</i> , 2020, 53, 7141-7149.	2.2	24
41	Impact of Architectural Asymmetry on Frank-Kasper Phase Formation in Block Polymer Melts. <i>ACS Nano</i> , 2020, 14, 11463-11472.	7.3	39
42	Step-Growth Polyesters with Biobased ( <i>R</i> )-1,3-Butanediol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 15598-15613.	1.8	13
43	Formation of a C15 Laves Phase with a Giant Unit Cell in Salt-Doped A/B/AB Ternary Polymer Blends. <i>ACS Nano</i> , 2020, 14, 13754-13764.	7.3	21
44	Order and Disorder in ABCA <sup>2</sup> Tetrablock Terpolymers. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10266-10275.	1.2	6
45	Crazing Mechanism and Physical Aging of Poly(lactide) Toughened with Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.2	32
46	Influence of the Headgroup on the Interaction of Poly(ethylene oxide)-Poly(propylene oxide) Block Copolymers with Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2417-2424.	1.2	14
47	Emergence of a C15 Laves Phase in Diblock Polymer/Homopolymer Blends. <i>ACS Macro Letters</i> , 2020, 9, 576-582.	2.3	59
48	Symmetry breaking in particle-forming diblock polymer/homopolymer blends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16764-16769.	3.3	44
49	A15, <i>I</i> <sub>f</sub> , and a Quasicrystal: Access to Complex Particle Packings via Bidisperse Diblock Copolymer Blends. <i>ACS Macro Letters</i> , 2020, 9, 197-203.	2.3	67
50	The ABCs of Block Polymers. <i>Macromolecules</i> , 2020, 53, 2765-2768.	2.2	29
51	Spatial Distribution of PEO-PPO-PEO Block Copolymer and PEO Homopolymer in Lipid Bilayers. <i>Langmuir</i> , 2020, 36, 3393-3403.	1.6	14
52	Grain Growth and Coarsening Dynamics in a Compositionally Asymmetric Block Copolymer Revealed by X-ray Photon Correlation Spectroscopy. <i>Macromolecules</i> , 2020, 53, 8233-8243.	2.2	4
53	Microfluidic filament thinning of aqueous, fibrillar methylcellulose solutions. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	4
54	Rheology of polymer multilayers: Slip in shear, hardening in extension. <i>Journal of Rheology</i> , 2019, 63, 751-761.	1.3	24

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55	Bicontinuous Microemulsions in Partially Charged Ternary Polymer Blends. <i>ACS Macro Letters</i> , 2019, 8, 1166-1171.	2.3	17
56	Properties of Chemically Cross-Linked Methylcellulose Gels. <i>Macromolecules</i> , 2019, 52, 7740-7748.	2.2	15
57	Effects of Segment Length Asymmetry in Ternary Diblock Co-polymer-Homopolymer Mixtures. <i>Macromolecules</i> , 2019, 52, 4091-4102.	2.2	11
58	Tuning PNIPAm self-assembly and thermoresponse: roles of hydrophobic end-groups and hydrophilic comonomer. <i>Polymer Chemistry</i> , 2019, 10, 3469-3479.	1.9	56
59	Influence of Cholesterol and Bilayer Curvature on the Interaction of PPO-PEO Block Copolymers with Liposomes. <i>Langmuir</i> , 2019, 35, 7231-7241.	1.6	19
60	Superlattice by charged block copolymer self-assembly. <i>Nature Communications</i> , 2019, 10, 2108.	5.8	43
61	Cardiac Muscle Membrane Stabilization in Myocardial Reperfusion Injury. <i>JACC Basic To Translational Science</i> , 2019, 4, 275-287.	1.9	24
62	Mechanically Robust and Recyclable Cross-Linked Fibers from Melt Blown Anthracene-Functionalized Commodity Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 12863-12870.	4.0	42
63	Investigation of Micromechanical Behavior and Voiding of Polyethylene Terephthalate/Polyethylene-stat-methyl Acrylate Blends during Tensile Deformation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 6402-6412.	1.8	7
64	Evaluating Large-Scale STEM Outreach Efficacy with a Consistent Theme: Thermodynamics for Elementary School Students. <i>ACS Omega</i> , 2019, 4, 2661-2668.	1.6	4
65	Physical Aging of Polylactide-Based Graft Block Polymers. <i>Macromolecules</i> , 2019, 52, 8878-8894.	2.2	35
66	Effect of Ion Concentration on the Formation of Bicontinuous Microemulsions in Partially Charged Ternary Polymer Blends. <i>Macromolecules</i> , 2019, 52, 9416-9424.	2.2	5
67	Structure and Properties of Bicontinuous Microemulsions from Salt-Doped Ternary Polymer Blends. <i>Macromolecules</i> , 2019, 52, 9693-9702.	2.2	34
68	Polymer Nanogels as Reservoirs To Inhibit Hydrophobic Drug Crystallization. <i>ACS Nano</i> , 2019, 13, 1232-1243.	7.3	23
69	Extensional Flow Behavior of Methylcellulose Solutions Containing Fibrils. <i>ACS Macro Letters</i> , 2018, 7, 347-352.	2.3	28
70	Gelation, Phase Separation, and Fibril Formation in Aqueous Hydroxypropylmethylcellulose Solutions. <i>Biomacromolecules</i> , 2018, 19, 816-824.	2.6	35
71	Consequences of Grafting Density on the Linear Viscoelastic Behavior of Graft Polymers. <i>ACS Macro Letters</i> , 2018, 7, 525-530.	2.3	97
72	Origins of low-symmetry phases in asymmetric diblock copolymer melts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 847-854.	3.3	101

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73	The Orderâ€“Disorder Transition in Graft Block Copolymers. <i>Macromolecules</i> , 2018, 51, 232-241.	2.2	16
74	Advances in Polymer Design for Enhancing Oral Drug Solubility and Delivery. <i>Bioconjugate Chemistry</i> , 2018, 29, 939-952.	1.8	97
75	Maintaining Hydrophobic Drug Supersaturation in a Micelle Corona Reservoir. <i>Macromolecules</i> , 2018, 51, 540-551.	2.2	35
76	Effect of Corona Block Length on the Structure and Chain Exchange Kinetics of Block Copolymer Micelles. <i>Macromolecules</i> , 2018, 51, 3563-3571.	2.2	37
77	Role of Crystallization on Polyolefin Interfaces: An Improved Outlook for Polyolefin Blends. <i>Macromolecules</i> , 2018, 51, 2506-2516.	2.2	56
78	Revisiting the Anionic Polymerization of Methyl Methacrylate. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700282.	1.1	8
79	Influence of rheology on renewable pressure-sensitive adhesives from a triblock copolymer. <i>Journal of Rheology</i> , 2018, 62, 161-170.	1.3	19
80	Role of Chain Length in the Formation of Frank-Kasper Phases in Diblock Copolymers. <i>Physical Review Letters</i> , 2018, 121, 208002.	2.9	42
81	Effect of Poly(ethylene glycol) Grafting Density on Methylcellulose Fibril Formation. <i>Macromolecules</i> , 2018, 51, 9413-9421.	2.2	27
82	A new framework for X-ray photon correlation spectroscopy analysis from polycrystalline materials. <i>Review of Scientific Instruments</i> , 2018, 89, 123902.	0.6	5
83	Dynamics of a Supercooled Disordered Sphere-Forming Diblock Copolymer as Determined by X-ray Photon Correlation and Dynamic Mechanical Spectroscopies. <i>ACS Macro Letters</i> , 2018, 7, 1486-1491.	2.3	6
84	Molecular Weight Dependence of Methylcellulose Fibrillar Networks. <i>Macromolecules</i> , 2018, 51, 7767-7775.	2.2	34
85	Stable Frankâ€“Kasper phases of self-assembled, soft matter spheres. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10233-10238.	3.3	111
86	Muscle membrane integrity in Duchenne muscular dystrophy: recent advances in copolymer-based muscle membrane stabilizers. <i>Skeletal Muscle</i> , 2018, 8, 31.	1.9	41
87	Melt-Blown Cross-Linked Fibers from Thermally Reversible Dielsâ€“Alder Polymer Networks. <i>ACS Macro Letters</i> , 2018, 7, 1339-1345.	2.3	37
88	Compatibilization of Isotactic Polypropylene (iPP) and High-Density Polyethylene (HDPE) with iPPâ€“PE Multiblock Copolymers. <i>Macromolecules</i> , 2018, 51, 8585-8596.	2.2	106
89	Network Model of the Disordered Phase in Symmetric Diblock Copolymer Melts. <i>Physical Review Letters</i> , 2018, 121, 127802.	2.9	13
90	Predicting the phase behavior of ABAC tetrablock terpolymers: Sensitivity to Floryâ€“Huggins interaction parameters. <i>Polymer</i> , 2018, 154, 305-314.	1.8	16

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91	Surface Plasmon Resonance Study of the Binding of PEO- <i>b</i> -PPO- <i>b</i> -PEO Triblock Copolymer and PEO Homopolymer to Supported Lipid Bilayers. <i>Langmuir</i> , 2018, 34, 6703-6712.	1.6	18
92	Straightforward synthesis of model polystyrene- <i>b</i> -poly(vinyl alcohol) diblock polymers. <i>Polymer Chemistry</i> , 2018, 9, 4243-4250.	1.9	18
93	Modeling and rescue of defective blood-brain barrier function of induced brain microvascular endothelial cells from childhood cerebral adrenoleukodystrophy patients. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 9.	2.4	36
94	Impact of Polymer Excipient Molar Mass and End Groups on Hydrophobic Drug Solubility Enhancement. <i>Macromolecules</i> , 2017, 50, 1102-1112.	2.2	39
95	Combining polyethylene and polypropylene: Enhanced performance with PE/PP multiblock polymers. <i>Science</i> , 2017, 355, 814-816.	6.0	393
96	Enhanced Performance of Blended Polymer Excipients in Delivering a Hydrophobic Drug through the Synergistic Action of Micelles and HPMCAS. <i>Langmuir</i> , 2017, 33, 2837-2848.	1.6	38
97	Direct Observation of Nanostructures during Aqueous Dissolution of Polymer/Drug Particles. <i>Macromolecules</i> , 2017, 50, 3143-3152.	2.2	26
98	Molecular Alignment in Polyethylene during Cold Drawing Using In-Situ SANS and Raman Spectroscopy. <i>Macromolecules</i> , 2017, 50, 3627-3636.	2.2	33
99	Polymer Day: Outreach Experiments for High School Students. <i>Journal of Chemical Education</i> , 2017, 94, 1629-1638.	1.1	31
100	Thermal processing of diblock copolymer melts mimics metallurgy. <i>Science</i> , 2017, 356, 520-523.	6.0	227
101	Rheological characterization and thermal modeling of polyolefins for process design and tailored interfaces. <i>AIP Conference Proceedings</i> , 2017, . .	0.3	2
102	When convergent syntheses of graft block copolymers diverge: The treachery of chemical images. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3097-3104.	2.5	8
103	PEO- <i>b</i> -PPO Diblock Copolymers Protect Myoblasts from Hypo-Osmotic Stress In Vitro Dependent on Copolymer Size, Composition, and Architecture. <i>Biomacromolecules</i> , 2017, 18, 2090-2101.	2.6	23
104	Chemical End Group Modified Diblock Copolymers Elucidate Anchor and Chain Mechanism of Membrane Stabilization. <i>Molecular Pharmaceutics</i> , 2017, 14, 2333-2339.	2.3	28
105	50th Anniversary Perspective: Block Polymers' Pure Potential. <i>Macromolecules</i> , 2017, 50, 3-22.	2.2	593
106	Morphological Consequences of Frustration in ABC Triblock Polymers. <i>Macromolecules</i> , 2017, 50, 446-458.	2.2	20
107	Quantifying Binding of Ethylene Oxide- <i>b</i> -Propylene Oxide Block Copolymers with Lipid Bilayers. <i>Langmuir</i> , 2017, 33, 12624-12634.	1.6	31
108	Design and Characterization of a PVLA-PEG-PVLA Thermosensitive and Biodegradable Hydrogel. <i>ACS Macro Letters</i> , 2017, 6, 1134-1139.	2.3	19

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109	All-Atom Molecular Dynamics-Based Analysis of Membrane-Stabilizing Copolymer Interactions with Lipid Bilayers Probed under Constant Surface Tensions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 10657-10664.	1.2	27
110	Effect of Branching and Molecular Weight on Heterogeneous Catalytic Deuterium Exchange in Polyolefins. <i>Macromolecules</i> , 2017, 50, 6849-6860.	2.2	12
111	Block Copolymer Micelle Toughened Isotactic Polypropylene. <i>Macromolecules</i> , 2017, 50, 6421-6432.	2.2	31
112	Accelerating self-consistent field theory of block polymers in a variable unit cell. <i>Journal of Chemical Physics</i> , 2017, 146, 244902.	1.2	31
113	Functionalization of Cadmium Selenide Quantum Dots with Poly(ethylene glycol): Ligand Exchange, Surface Coverage, and Dispersion Stability. <i>Langmuir</i> , 2017, 33, 8239-8245.	1.6	31
114	Conformational Asymmetry and Quasicrystal Approximants in Linear Diblock Copolymers. <i>Physical Review Letters</i> , 2017, 118, 207801.	2.9	107
115	Rapid conformational fluctuations in a model of methylcellulose. <i>Physical Review Materials</i> , 2017, 1, .	0.9	14
116	Rouse-Bueche theory and the calculation of the monomeric friction coefficient in a filled system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1437-1442.	2.4	5
117	Design of Graft Block Polymer Thermoplastics. <i>Macromolecules</i> , 2016, 49, 9108-9118.	2.2	64
118	Synergistic Toughening of Epoxy Modified by Graphene and Block Copolymer Micelles. <i>Macromolecules</i> , 2016, 49, 9507-9520.	2.2	63
119	Chemically Recyclable Biobased Polyurethanes. <i>ACS Macro Letters</i> , 2016, 5, 515-518.	2.3	143
120	Fluorine-Enriched Melt-Blown Fibers from Polymer Blends of Poly(butylene terephthalate) and a Fluorinated Multiblock Copolyester. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 754-761.	4.0	33
121	Intracoronary Poloxamer 188 Prevents Reperfusion Injury in a Porcine Model of ST-Segment Elevation Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2016, 1, 224-234.	1.9	32
122	Cornucopia of Nanoscale Ordered Phases in Sphere-Forming Tetrablock Terpolymers. <i>ACS Nano</i> , 2016, 10, 4961-4972.	7.3	93
123	Dodecagonal quasicrystalline order in a diblock copolymer melt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5167-5172.	3.3	164
124	Structure-Conductivity Relationships in Ordered and Disordered Salt-Doped Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2016, 49, 6928-6939.	2.2	61
125	High-Throughput Excipient Discovery Enables Oral Delivery of Poorly Soluble Pharmaceuticals. <i>ACS Central Science</i> , 2016, 2, 748-755.	5.3	62
126	Impact of molecular weight and comonomer content on catalytic hydrogen-deuterium exchange in polyolefins. <i>Polymer</i> , 2016, 102, 99-105.	1.8	14



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127	Toughened Isotactic Polypropylene: Phase Behavior and Mechanical Properties of Blends with Strategically Designed Random Copolymer Modifiers. <i>Macromolecules</i> , 2016, 49, 6497-6506.	2.2	35
128	Nanofibers from water-extractable melt-blown immiscible polymer blends. <i>Polymer</i> , 2016, 101, 269-273.	1.8	26
129	Phase Behavior of Diblock Copolymer-Homopolymer Ternary Blends: Congruent First-Order Lamellar-Disorder Transition. <i>Macromolecules</i> , 2016, 49, 7928-7944.	2.2	30
130	Engineering superior toughness in commercially viable block copolymer modified epoxy resin. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 189-204.	2.4	46
131	Broadly Accessible Self-Consistent Field Theory for Block Polymer Materials Discovery. <i>Macromolecules</i> , 2016, 49, 4675-4690.	2.2	150
132	Synthesis and Rheology of Branched Multiblock Polymers Based on Polylactide. <i>Macromolecules</i> , 2016, 49, 4587-4598.	2.2	49
133	Lithium Salt-Induced Microstructure and Ordering in Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2016, 49, 4839-4849.	2.2	48
134	Structure of poly(styrene- <i>b</i> -ethylene- <i>alt</i> - <i>b</i> -propylene) diblock copolymer micelles in binary solvent mixtures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 22-31.	2.4	6
135	Water droplet spreading and imbibition on superhydrophilic poly(butylene terephthalate) melt-blown fiber mats. <i>Chemical Engineering Science</i> , 2016, 146, 104-114.	1.9	56
136	Tough and Sustainable Graft Block Copolymer Thermoplastics. <i>ACS Macro Letters</i> , 2016, 5, 407-412.	2.3	94
137	Toughening Glassy Poly(lactide) with Block Copolymer Micelles. <i>ACS Macro Letters</i> , 2016, 5, 359-364.	2.3	83
138	Structure, viscoelasticity, and interfacial dynamics of a model polymeric bicontinuous microemulsion. <i>Soft Matter</i> , 2016, 12, 53-66.	1.2	45
139	Membrane-stabilizing copolymers confer marked protection to dystrophic skeletal muscle in vivo. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 15042.	1.8	38
140	Deformation Processes in Block Copolymer Toughened Epoxies. <i>Macromolecules</i> , 2015, 48, 3672-3684.	2.2	43
141	Commensurability and finite size effects in lattice simulations of diblock copolymers. <i>Soft Matter</i> , 2015, 11, 4862-4867.	1.2	22
142	Bottlebrush Block Polymers: Quantitative Theory and Experiments. <i>ACS Nano</i> , 2015, 9, 12233-12245.	7.3	141
143	Influence of Composition Fluctuations on the Linear Viscoelastic Properties of Symmetric Diblock Copolymers near the Order-Disorder Transition. <i>ACS Macro Letters</i> , 2015, 4, 260-265.	2.3	12
144	Determination of the Lamellae-to-Disorder Heat of Transition in a Short Diblock Copolymer by Relaxation Calorimetry. <i>Macromolecules</i> , 2015, 48, 4733-4741.	2.2	8

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145	Crystallization and Mechanical Properties of Poly( <i>l</i> -lactide)-Based Rubbery/Semicrystalline Multiblock Copolymers. <i>Macromolecules</i> , 2015, 48, 4529-4540.	2.2	56
146	Linear Rheology of Polyolefin-Based Bottlebrush Polymers. <i>Macromolecules</i> , 2015, 48, 4680-4691.	2.2	137
147	Linear and Nonlinear Rheological Behavior of Fibrillar Methylcellulose Hydrogels. <i>ACS Macro Letters</i> , 2015, 4, 538-542.	2.3	67
148	Fluctuations, Phase Transitions, and Latent Heat in Short Diblock Copolymers: Comparison of Experiment, Simulation, and Theory. <i>Macromolecules</i> , 2015, 48, 2801-2811.	2.2	33
149	Remarkable Effect of Molecular Architecture on Chain Exchange in Triblock Copolymer Micelles. <i>Macromolecules</i> , 2015, 48, 2667-2676.	2.2	68
150	Thermodynamics of Aqueous Methylcellulose Solutions. <i>Macromolecules</i> , 2015, 48, 7205-7215.	2.2	60
151	Deconstructing HPMCAS: Excipient Design to Tailor Polymer-Drug Interactions for Oral Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 978-990.	2.6	42
152	High- <i>N</i> Block Polymers: How Far Can We Go?. <i>ACS Macro Letters</i> , 2015, 4, 1044-1050.	2.3	370
153	Bundled postconditioning therapies improve hemodynamics and neurologic recovery after 17min of untreated cardiac arrest. <i>Resuscitation</i> , 2015, 87, 7-13.	1.3	33
154	Membrane-Stabilizing Copolymers Confer Protection to Dystrophic Skeletal Muscle in vitro and in vivo. <i>FASEB Journal</i> , 2015, 29, 1039.3.	0.2	0
155	Fluctuation Effects in Symmetric Diblock Copolymer-Homopolymer Ternary Mixtures near the Lamellar Disorder Transition. <i>ACS Macro Letters</i> , 2014, 3, 1041-1045.	2.3	18
156	A critical gel fluid with high extensibility: The rheology of chewing gum. <i>Journal of Rheology</i> , 2014, 58, 821-838.	1.3	26
157	Microstructure and performance of block copolymer modified epoxy coatings. <i>Progress in Organic Coatings</i> , 2014, 77, 1145-1154.	1.9	30
158	Small-Angle X-ray Scattering of Concentration Dependent Structures in Block Copolymer Solutions. <i>Macromolecules</i> , 2014, 47, 7978-7986.	2.2	27
159	Sphericity and symmetry breaking in the formation of Frank-Kasper phases from one component materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17723-17731.	3.3	210
160	Almost Fooled Again: New Insights into Cesium Dodecyl Sulfate Micelle Structures. <i>Langmuir</i> , 2014, 30, 12743-12747.	1.6	8
161	Scalable production of mechanically tunable block polymers from sugar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8357-8362.	3.3	159
162	Tuning Surface Properties of Poly(butylene terephthalate) Melt Blown Fibers by Alkaline Hydrolysis and Fluorination. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11640-11648.	4.0	21

#	ARTICLE	IF	CITATIONS
163	Molecular Weight Dependence of Zero-Shear Viscosity in Atactic Polypropylene Bottlebrush Polymers. ACS Macro Letters, 2014, 3, 423-427.	2.3	116
164	Polyether Urethane Hydrolytic Stability after Exposure to Deoxygenated Water. Macromolecules, 2014, 47, 5220-5226.	2.2	48
165	Synthetic strategies for the generation of ABCA' type asymmetric tetrablock terpolymers. Polymer Chemistry, 2014, 5, 5551.	1.9	17
166	Sub-5 nm Domains in Ordered Poly(cyclohexylethylene)- <i>b</i> -poly(methyl methacrylate) Block Polymers for Lithography. Macromolecules, 2014, 47, 1411-1418.	2.2	197
167	Directed Assembly of Lamellae Forming Block Copolymer Thin Films near the Order-Disorder Transition. Nano Letters, 2014, 14, 148-152.	4.5	48
168	Design of Tunable Multicomponent Polymers as Modular Vehicles To Solubilize Highly Lipophilic Drugs. Macromolecules, 2014, 47, 6554-6565.	2.2	33
169	Effect of block copolymer concentration and core composition on toughening epoxies. Polymer, 2014, 55, 4172-4181.	1.8	48
170	Sustainable Poly(lactide- <i>b</i> -butadiene) Multiblock Copolymers with Enhanced Mechanical Properties. Macromolecules, 2013, 46, 7387-7398.	2.2	97
171	Consequences of Surface Neutralization in Diblock Copolymer Thin Films. ACS Nano, 2013, 7, 9905-9919.	7.3	59
172	Student Involvement in Improving the Culture of Safety in Academic Laboratories. Journal of Chemical Education, 2013, 90, 1414-1417.	1.1	51
173	Fluctuations, Order, and Disorder in Short Diblock Copolymers. AIChE Journal, 2013, 59, 3502-3513.	1.8	89
174	Precise Compositional Control and Systematic Preparation of Multimonomeric Statistical Copolymers. ACS Macro Letters, 2013, 2, 770-774.	2.3	46
175	Fibrillar Structure of Methylcellulose Hydrogels. Biomacromolecules, 2013, 14, 2484-2488.	2.6	100
176	Nanofibers from Melt Blown Fiber-in-Fiber Polymer Blends. ACS Macro Letters, 2013, 2, 301-305.	2.3	84
177	Rheological Evidence of Composition Fluctuations in an Unentangled Diblock Copolymer Melt near the Order-Disorder Transition. ACS Macro Letters, 2013, 2, 496-500.	2.3	17
178	Synthesis, Structure, and Properties of Alternating and Random Poly(styrene- <i>b</i> -butadiene) Multiblock Copolymers. Macromolecules, 2013, 46, 4529-4539.	2.2	89
179	Chain Exchange in Binary Copolymer Micelles at Equilibrium: Confirmation of the Independent Chain Hypothesis. ACS Macro Letters, 2013, 2, 451-455.	2.3	54
180	Fibrillar Structure in Aqueous Methylcellulose Solutions and Gels. Macromolecules, 2013, 46, 9760-9771.	2.2	74

#	ARTICLE	IF	CITATIONS
181	Cavitation in Block Copolymer Modified Epoxy Revealed by In Situ Small-Angle X-Ray Scattering. ACS Macro Letters, 2013, 2, 939-943.	2.3	33
182	Interplay of Phase Separation and Thermoreversible Gelation in Aqueous Methylcellulose Solutions. Macromolecules, 2013, 46, 300-309.	2.2	124
183	Dodecagonal Quasicrystalline Morphology in a Poly(styrene- <i>b</i> -isoprene- <i>b</i> -styrene- <i>b</i> -ethylene oxide) Tetrablock Terpolymer. Journal of the American Chemical Society, 2012, 134, 7636-7639.	6.6	108
184	Polymersomes functionalized via "click" chemistry with the fibronectin mimetic peptides PR <sub>1</sub> and GRGDSP for targeted delivery to cells with different levels of $\beta$ 1 expression. Soft Matter, 2012, 8, 4449.	1.2	37
185	Hierarchical microphase separation in bicontinuous ternary polymer blends. Soft Matter, 2012, 8, 3429.	1.2	10
186	Role of Localized Network Damage in Block Copolymer Toughened Epoxies. ACS Macro Letters, 2012, 1, 338-342.	2.3	57
187	Ordering of Sphere Forming SISO Tetrablock Terpolymers on a Simple Hexagonal Lattice. Macromolecules, 2012, 45, 256-265.	2.2	26
188	Synthesis, Thermodynamics, and Dynamics of Poly(4- <i>tert</i> -butylstyrene- <i>b</i> -methyl Methacrylate) Diblock Copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 462-470.	2.2	70
189	Influence of Water on the Structure and Properties of PDMS-Containing Multiblock Polyurethanes. Macromolecules, 2012, 45, 9110-9120.	2.2	62
190	Solvent Selective Hydrogen-Deuterium Exchange on Saturated Polyolefins. Macromolecules, 2012, 45, 7778-7782.	2.2	18
191	Multiblock Polymers: Panacea or Pandora's Box?. Science, 2012, 336, 434-440.	6.0	930
192	Influence of Laval nozzles on the air flow field in melt blowing apparatus. Chemical Engineering Science, 2012, 80, 342-348.	1.9	54
193	Targeted Polymersome Delivery of siRNA Induces Cell Death of Breast Cancer Cells Dependent upon Orai3 Protein Expression. Langmuir, 2012, 28, 12816-12830.	1.6	75
194	Decoupling Bulk Thermodynamics and Wetting Characteristics of Block Copolymer Thin Films. ACS Macro Letters, 2012, 1, 11-14.	2.3	59
195	Molecular Exchange in Diblock Copolymer Micelles: Bimodal Distribution in Core-Block Molecular Weights. ACS Macro Letters, 2012, 1, 982-985.	2.3	49
196	Synthesis of Tri- and Multiblock Polymers with Asymmetric Poly(ethylene oxide) End Blocks. ACS Macro Letters, 2012, 1, 768-771.	2.3	18
197	Mechanical properties of glass continuous poly(cyclohexylethylene) block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 706-717.	2.4	3
198	Nanoscale Mixing of Soft Solids. Journal of the American Chemical Society, 2011, 133, 1722-1725.	6.6	7

#	ARTICLE	IF	CITATIONS
199	Molecular Exchange in Ordered Diblock Copolymer Micelles. <i>Macromolecules</i> , 2011, 44, 3594-3604.	2.2	94
200	Structure and Mechanical Behavior of Elastomeric Multiblock Terpolymers Containing Glassy, Rubbery, and Semicrystalline Blocks. <i>Macromolecules</i> , 2011, 44, 8143-8153.	2.2	22
201	Large Amplitude Oscillatory Shear of Block Copolymer Spheres on a Body-Centered Cubic Lattice: Are Micelles Like Metals?. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5840-5848.	1.2	16
202	Radical-cured block copolymer-modified thermosets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 540-550.	2.4	8
203	Neal R. Amundson, a bold and brilliant leader of chemical engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7285-7285.	3.3	2
204	Discovery of a Frank-Kasper $\bar{I}f$ Phase in Sphere-Forming Block Copolymer Melts. <i>Science</i> , 2010, 330, 349-353.	6.0	379
205	Ultrasonically Induced Release from Nanosized Polymer Vesicles. <i>Macromolecular Bioscience</i> , 2010, 10, 546-554.	2.1	30
206	Meltblown fibers: Influence of viscosity and elasticity on diameter distribution. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 892-900.	1.0	122
207	Thermodynamic characteristics of poly(cyclohexylethylene- <i>b</i> -ethylene-co-ethylene) block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 566-574.	2.4	9
208	Mechanism of Molecular Exchange in Diblock Copolymer Micelles: Hypersensitivity to Core Chain Length. <i>Physical Review Letters</i> , 2010, 104, 047802.	2.9	177
209	Self-Assembly of Fibronectin Mimetic Peptide-Amphiphile Nanofibers. <i>Langmuir</i> , 2010, 26, 1953-1959.	1.6	76
210	Phase Behavior of Nonfrustrated ABC Triblock Copolymers: Weak and Intermediate Segregation. <i>Macromolecules</i> , 2010, 43, 5128-5136.	2.2	83
211	Self-Assembly of Janus Dendrimers into Uniform Dendrimersomes and Other Complex Architectures. <i>Science</i> , 2010, 328, 1009-1014.	6.0	654
212	Inverted Phases Induced by Chain Architecture in ABAC Tetrablock Terpolymers. <i>Macromolecules</i> , 2010, 43, 4449-4452.	2.2	24
213	Synthesis and Characterization of Elastomeric Heptablock Terpolymers Structured by Crystallization. <i>Macromolecules</i> , 2010, 43, 5295-5305.	2.2	26
214	Toughening of Epoxies with Block Copolymer Micelles of Wormlike Morphology. <i>Macromolecules</i> , 2010, 43, 7238-7243.	2.2	206
215	Path-Dependent Morphologies in Oil/Water/Diblock Copolymer Mixtures. <i>Langmuir</i> , 2010, 26, 1707-1715.	1.6	8
216	Hierarchically structured bicontinuous polymeric microemulsions. <i>Soft Matter</i> , 2010, 6, 2751.	1.2	14

#	ARTICLE	IF	CITATIONS
217	Phase behavior of polyisoprene-poly(butylene oxide) and poly(ethylene-alt-propylene)-poly(butylene) Tj ETQq1 1 0.784314 rgBT / Over	1.2	16
218	Polydispersity effects in poly(isoprene-b-styrene-b-ethylene oxide) triblock terpolymers. Journal of Chemical Physics, 2009, 130, 234903.	1.2	30
219	Proton Transport from Dendritic Helical Pore Incorporated Polymersomes. Advanced Functional Materials, 2009, 19, 2930-2936.	7.8	40
220	The Role of inclusion size in toughening of epoxy resins by spherical micelles. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1125-1129.	2.4	42
221	Effect of crosslink density on fracture behavior of model epoxies containing block copolymer nanoparticles. Polymer, 2009, 50, 4683-4689.	1.8	101
222	Strain rate effect on toughening of nano-sized PEP-PEO block copolymer modified epoxy. Acta Materialia, 2009, 57, 2691-2701.	3.8	86
223	Block Copolymer Toughened Epoxy: Role of Cross-Link Density. Macromolecules, 2009, 42, 2333-2335.	2.2	159
224	Synthesis and Self-Assembly of RGD-Functionalized PEO-PB Amphiphiles. Biomacromolecules, 2009, 10, 1554-1563.	2.6	39
225	Bicontinuous Polymeric Microemulsions from Polydisperse Diblock Copolymers. Journal of Physical Chemistry B, 2009, 113, 3726-3737.	1.2	33
226	Membrane Stabilization of Biodegradable Polymersomes. Langmuir, 2009, 25, 4429-4434.	1.6	33
227	Structure and Properties of Hexa- and Undecablock Terpolymers with Hierarchical Molecular Architectures. Macromolecules, 2009, 42, 3598-3610.	2.2	53
228	Wormlike Micelle Formation in Peptide-Lipid Conjugates Driven by Secondary Structure Transformation of the Headgroups. Journal of Physical Chemistry B, 2009, 113, 13711-13714.	1.2	88
229	Ordered Three- and Five-ply Nanocomposites from ABC Block Terpolymer Microphase Separation with Niobia and Aluminosilicate Sols. Chemistry of Materials, 2009, 21, 5466-5473.	3.2	64
230	Structure of Poly(styrene-b-ethylene-alt-propylene) Diblock Copolymer Micelles in Squalane. Journal of Physical Chemistry B, 2009, 113, 13840-13848.	1.2	70
231	Lithium Perchlorate-Doped Poly(styrene-b-ethylene oxide-b-styrene) Lamellae-Forming Triblock Copolymer as High Capacitance, Smooth, Thin Film Dielectric. Journal of Physical Chemistry C, 2009, 113, 3903-3908.	1.5	24
232	The O52 network by molecular design: CECD tetrablock terpolymers. Soft Matter, 2009, 5, 1587.	1.2	16
233	PR_b-targeted delivery of tumor necrosis factor- $\alpha$ by polymersomes for the treatment of prostate cancer. Soft Matter, 2009, 5, 2011.	1.2	73
234	Perpendicular Lamellae in Parallel Lamellae in a Hierarchical CECEC-P Hexablock Terpolymer. Macromolecules, 2009, 42, 1691-1694.	2.2	42

#	ARTICLE	IF	CITATIONS
235	Ordered Network Mesostructures in Block Polymer Materials. <i>Macromolecules</i> , 2009, 42, 7221-7250.	2.2	277
236	Layer Structure Preservation during Swelling, Pillaring, and Exfoliation of a Zeolite Precursor. <i>Journal of the American Chemical Society</i> , 2008, 130, 1507-1516.	6.6	240
237	Leuko-polymerosomes. <i>Faraday Discussions</i> , 2008, 139, 129.	1.6	85
238	Vesicle Membrane Thickness in Aqueous Dispersions of Block Copolymer Blends. <i>Macromolecules</i> , 2008, 41, 8289-8291.	2.2	25
239	Lyotropic Phase Behavior of Poly(ethylene oxide)- <i>b</i> -Poly(butadiene) Diblock Copolymers: Evolution of the Random Network Morphology. <i>Macromolecules</i> , 2008, 41, 3305-3316.	2.2	30
240	Mechanical Consequences of Molecular Composition on Failure in Polyolefin Composites Containing Glassy, Elastomeric, and Semicrystalline Components. <i>Macromolecules</i> , 2008, 41, 1341-1351.	2.2	18
241	Structure and Mechanical Properties of an O <sup>70</sup> Network-Forming Pentablock Terpolymer. <i>Macromolecules</i> , 2008, 41, 5809-5817.	2.2	34
242	Polydispersity-Induced Stabilization of the Core-Shell Gyroid. <i>Macromolecules</i> , 2008, 41, 6272-6275.	2.2	29
243	Nanocavitation in Self-Assembled Amphiphilic Block Copolymer-Modified Epoxy. <i>Macromolecules</i> , 2008, 41, 7616-7624.	2.2	186
244	Impact of Rheology on Meltblown Polymer Nanofibers. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	1
245	Shear flow behavior of a dynamically symmetric polymeric bicontinuous microemulsion. <i>Journal of Rheology</i> , 2007, 51, 1027-1046.	1.3	15
246	Synthesis and Thermodynamic Properties of Poly(cyclohexylethylene- <i>b</i> -dimethylsiloxane- <i>b</i> -cyclohexylethylene). <i>Macromolecules</i> , 2007, 40, 6638-6646.	2.2	28
247	Tat-Functionalized Near-Infrared Emissive Polymerosomes for Dendritic Cell Labeling. <i>Bioconjugate Chemistry</i> , 2007, 18, 31-40.	1.8	128
248	Control of Mechanical Behavior in Polyolefin Composites: Integration of Glassy, Rubbery, and Semicrystalline Components. <i>Macromolecules</i> , 2007, 40, 1585-1593.	2.2	38
249	Comprehensive Phase Behavior of Poly(isoprene- <i>b</i> -styrene- <i>b</i> -ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2007, 40, 2882-2896.	2.2	97
250	SCFT Study of Nonfrustrated ABC Triblock Copolymer Melts. <i>Macromolecules</i> , 2007, 40, 4654-4668.	2.2	163
251	Controlling Bulk Optical Properties of Emissive Polymerosomes through Intramembranous Polymer-Fluorophore Interactions. <i>Chemistry of Materials</i> , 2007, 19, 1309-1318.	3.2	48
252	Synthesis of Monodisperse $\hat{\pm}$ -Hydroxypoly(styrene) in Hydrocarbon Media Using a Functional Organolithium. <i>Macromolecules</i> , 2007, 40, 760-762.	2.2	18

#	ARTICLE	IF	CITATIONS
253	Polydispersity-Driven Transition from the Orthorhombic Fddd Network to Lamellae in Poly(isoprene-b-styrene-b-ethylene oxide) Triblock Terpolymers. <i>Macromolecules</i> , 2007, 40, 7072-7074.	2.2	27
254	ABA triblock copolymers with a ring-opening metathesis polymerization/macromolecular chain-transfer agent approach. <i>Journal of Polymer Science Part A</i> , 2007, 45, 361-373.	2.5	24
255	Silica nanoparticle dispersions in homopolymer versus block copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2284-2299.	2.4	78
256	Melt blown nanofibers: Fiber diameter distributions and onset of fiber breakup. <i>Polymer</i> , 2007, 48, 3306-3316.	1.8	419
257	Epoxy Toughening Using Low Molecular Weight Poly(hexamethylene oxide)- <i>b</i> -Poly(ethylene oxide) Diblock Copolymers. <i>Macromolecules</i> , 2006, 39, 7187-7189.	2.2	168
258	Quantitative membrane loading of polymer vesicles. <i>Soft Matter</i> , 2006, 2, 973.	1.2	67
259	Shrinkage of a Rapidly Growing Tumor by Drug-Loaded Polymersomes: A pH-Triggered Release through Copolymer Degradation. <i>Molecular Pharmaceutics</i> , 2006, 3, 340-350.	2.3	305
260	Structure and Properties of Semicrystalline- <i>b</i> -Rubbery Multiblock Copolymers. <i>Macromolecules</i> , 2006, 39, 667-677.	2.2	77
261	Mesoporous Membrane Templated by a Polymeric Bicontinuous Microemulsion. <i>Nano Letters</i> , 2006, 6, 2354-2357.	4.5	104
262	Effect of Molecular Weight on Network Formation in Linear ABC Triblock Copolymers. <i>Macromolecules</i> , 2006, 39, 2676-2682.	2.2	35
263	Bioresorbable Vesicles Formed through Spontaneous Self-Assembly of Amphiphilic Poly(ethylene oxide)- <i>b</i> -Poly(L-lactide) Diblock Copolymers. <i>Journal of Polymer Science Part B: Polymer Physics</i> , 2006, 44, 1073-1081.	2.2	257
264	Aqueous Dispersions of Poly(ethylene oxide)- <i>b</i> -poly( $\epsilon$ -methyl- $\delta$ -caprolactone) Block Copolymers. <i>Macromolecules</i> , 2006, 39, 4286-4288.	2.2	90
265	Toughness of Glassy- <i>b</i> -Semicrystalline Multiblock Copolymers. <i>Macromolecules</i> , 2006, 39, 6221-6228.	2.2	38
266	Influence of Conformational Asymmetry on the Phase Behavior of Ternary Homopolymer/Block Copolymer Blends around the Bicontinuous Microemulsion Channel. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3979-3989.	1.2	38
267	Control of the confined and unconfined crystallization in glassy-crystalline poly(vinylcyclohexane)- <i>b</i> -poly(ethylene)- <i>b</i> -poly(vinylcyclohexane) triblock copolymer in solution. <i>Polymer</i> , 2006, 47, 1460-1464.	1.8	13
268	Barrier films made with various lamellar block copolymers. <i>Journal of Membrane Science</i> , 2006, 270, 13-21.	4.1	10
269	Biodegradable polymersomes loaded with both paclitaxel and doxorubicin permeate and shrink tumors, inducing apoptosis in proportion to accumulated drug. <i>Journal of Controlled Release</i> , 2006, 116, 150-158.	4.8	507
270	Investigation of crystallization of PVCH-PE-PVCH triblock copolymer in supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2584-2589.	1.3	9



#	ARTICLE	IF	CITATIONS
271	SANS Determination of Chain Conformation in Perpendicular-Aligned Undecablock Copolymer Lamellae. <i>Macromolecules</i> , 2006, 39, 294-299.	2.2	17
272	Disordered Network State in Hydrated Block-Copolymer Surfactants. <i>Physical Review Letters</i> , 2006, 96, 138304.	2.9	37
273	Development of discrete nanopores. II. Comparison between layered films and blends of polyolefins. <i>Journal of Applied Polymer Science</i> , 2005, 95, 708-718.	1.3	3
274	Structure and properties of PBO-PEO diblock copolymer modified epoxy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1950-1965.	2.4	180
275	Network Phases in Block Copolymer Melts. <i>MRS Bulletin</i> , 2005, 30, 525-532.	1.7	71
276	Adhesion of Polymer Vesicles. <i>Physical Review Letters</i> , 2005, 95, 026101.	2.9	25
277	Near-infrared-emissive polymersomes: Self-assembled soft matter for in vivo optical imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2922-2927.	3.3	355
278	Phase Transformations Involving Network Phases in ISO Triblock Copolymer-Homopolymer Blends. <i>Macromolecules</i> , 2005, 38, 8775-8784.	2.2	33
279	Synthesis of ABA Triblock Copolymers by a Tandem ROMP-RAFT Strategy. <i>Macromolecules</i> , 2005, 38, 7890-7894.	2.2	130
280	Microstructure and Mechanical Properties of Semicrystalline-Rubbery-Semicrystalline Triblock Copolymers. <i>Macromolecules</i> , 2005, 38, 6090-6098.	2.2	66
281	Extrusion of triblock and pentablock copolymers: Evolution of bulk and surface morphology. <i>Journal of Rheology</i> , 2005, 49, 197-214.	1.3	15
282	Effect of block number on multiblock copolymer lamellae alignment under oscillatory shear. <i>Journal of Rheology</i> , 2005, 49, 1231-1252.	1.3	18
283	Shear alignment of a swollen lamellar phase in a ternary polymer blend. <i>Journal of Rheology</i> , 2005, 49, 1395-1408.	1.3	5
284	Shear-Induced Network-to-Network Transition in a Block Copolymer Melt. <i>Physical Review Letters</i> , 2004, 93, 087802.	2.9	48
285	Development of discrete nanopores I: Tension of polypropylene/ polyethylene copolymer blends. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3642-3650.	1.3	14
286	The Effect of Polymer Chain Length and Surface Density on the Adhesiveness of Functionalized Polymersomes. <i>Langmuir</i> , 2004, 20, 5493-5500.	1.6	95
287	ABCA Tetrablock Copolymer Vesicles. <i>Macromolecules</i> , 2004, 37, 8816-8819.	2.2	121
288	Consequences of Nonergodicity in Aqueous Binary PEO-PB Micellar Dispersions. <i>Macromolecules</i> , 2004, 37, 1511-1523.	2.2	379

#	ARTICLE	IF	CITATIONS
289	Star Polymer Synthesis Using Hexafluoropropylene Oxide as an Efficient Multifunctional Coupling Agent. <i>Macromolecules</i> , 2004, 37, 6355-6361.	2.2	13
290	Ordered Network Phases in Linear Poly(isoprene-b-styrene-b-ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2004, 37, 8325-8341.	2.2	209
291	Network Phases in ABC Triblock Copolymers. <i>Macromolecules</i> , 2004, 37, 7085-7088.	2.2	138
292	High Strength Polyolefin Block Copolymers. <i>Macromolecules</i> , 2004, 37, 5847-5850.	2.2	20
293	Bridge to Loop Transition in a Shear Aligned Lamellae Forming Heptablock Copolymer. <i>Macromolecules</i> , 2004, 37, 8184-8187.	2.2	40
294	Consequences of Block Number on the Order-Disorder Transition and Viscoelastic Properties of Linear (AB) <sub>n</sub> Multiblock Copolymers. <i>Macromolecules</i> , 2004, 37, 3360-3368.	2.2	99
295	Polymer vesicles in vivo: correlations with PEG molecular weight. <i>Journal of Controlled Release</i> , 2003, 90, 323-334.	4.8	488
296	Synthetic cell elements from block copolymers – hydrodynamic aspects. <i>Comptes Rendus Physique</i> , 2003, 4, 251-258.	0.3	23
297	Hydrogenated poly(styrene-co- <i>m</i> -methylstyrene) polymers: A new class of high glass-transition-temperature polyolefins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 725-735.	2.4	6
298	Block copolymer modified novolac epoxy resin. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1994-2003.	2.4	60
299	Mechanical properties of block copolymer vesicle and micelle modified epoxies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 2444-2456.	2.4	213
300	Nanostructure Toughened Epoxy Resins. <i>Macromolecules</i> , 2003, 36, 9267-9270.	2.2	263
301	Role of Molecular Architecture in Mechanical Failure of Glassy/Semicrystalline Block Copolymers: CEC vs CECEC Lamellae. <i>Macromolecules</i> , 2003, 36, 2190-2193.	2.2	79
302	Molecular Exchange in PEO-PB Micelles in Water. <i>Macromolecules</i> , 2003, 36, 953-955.	2.2	174
303	Design of ABC Triblock Copolymers near the ODT with the Random Phase Approximation. <i>Macromolecules</i> , 2003, 36, 782-792.	2.2	98
304	Single Molecule Visualization of Stable, Stiffness-Tunable, Flow-Conforming Worm Micelles. <i>Macromolecules</i> , 2003, 36, 6873-6877.	2.2	105
305	Transverse Orientation of Lamellae and Cylinders by Solution Extrusion of a Pentablock Copolymer. <i>Macromolecules</i> , 2003, 36, 5440-5442.	2.2	32
306	Synthesis and Thermal Properties of Hydrogenated Poly(styrene-co-1,1-diphenylethylene) Copolymers. <i>Macromolecules</i> , 2003, 36, 5432-5434.	2.2	11

#	ARTICLE	IF	CITATIONS
307	Phase Behavior and Block Sequence Effects in Lithium Perchlorate-Doped Poly(isoprene-b-styrene-b-ethylene oxide) and Poly(styrene-b-isoprene-b-ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2003, 36, 2873-2881.	2.2	153
308	On the Origins of Morphological Complexity in Block Copolymer Surfactants. <i>Science</i> , 2003, 300, 460-464.	6.0	1,162
309	Consequences of Molecular Bridging in Lamellae-Forming Triblock/Pentablock Copolymer Blends. <i>Macromolecules</i> , 2003, 36, 9879-9888.	2.2	62
310	Time-resolved small-angle x-ray scattering measurements of a polymer bicontinuous microemulsion structure factor under shear. <i>Physical Review E</i> , 2002, 66, 041401.	0.8	25
311	Linear Viscoelasticity of a Polymeric Bicontinuous Microemulsion. <i>Macromolecules</i> , 2002, 35, 4210-4215.	2.2	25
312	Effect of Surfactant on Unilamellar Polymeric Vesicles: Altered Membrane Properties and Stability in the Limit of Weak Surfactant Partitioning. <i>Langmuir</i> , 2002, 18, 7299-7308.	1.6	34
313	Phase Behavior of Lithium Perchlorate-Doped Poly(styrene-b-isoprene-b-ethylene oxide) Triblock Copolymers. <i>Chemistry of Materials</i> , 2002, 14, 1706-1714.	3.2	103
314	Thermodynamic Behavior of Poly(cyclohexylethylene) in Polyolefin Diblock Copolymers. <i>Macromolecules</i> , 2002, 35, 7368-7374.	2.2	55
315	Transient Rheology of a Polymeric Bicontinuous Microemulsion. <i>Langmuir</i> , 2002, 18, 9676-9686.	1.6	23
316	Shear-Induced Lamellae Alignment in Matched Triblock and Pentablock Copolymers. <i>Macromolecules</i> , 2002, 35, 4685-4689.	2.2	54
317	Effect of Tacticity on Coil Dimensions and Thermodynamic Properties of Polypropylene. <i>Macromolecules</i> , 2002, 35, 5061-5068.	2.2	59
318	Influence of Conformational Asymmetry on Polymer-Polymer Interactions: An Entropic or Enthalpic Effect?. <i>Macromolecules</i> , 2002, 35, 7685-7691.	2.2	56
319	A Noncubic Triply Periodic Network Morphology in Poly(isoprene-b-styrene-b-ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2002, 35, 7007-7017.	2.2	216
320	Model ABC Triblock Copolymers and Blends near the Order-Disorder Transition. <i>Macromolecules</i> , 2002, 35, 3189-3197.	2.2	26
321	Molecular Weight Dependence of Polymersome Membrane Structure, Elasticity, and Stability. <i>Macromolecules</i> , 2002, 35, 8203-8208.	2.2	505
322	Effects of shear flow on a polymeric bicontinuous microemulsion: Equilibrium and steady state behavior. <i>Journal of Rheology</i> , 2002, 46, 529-554.	1.3	39
323	Molecular Weight Effects in the Hydrogenation of Model Polystyrenes Using Platinum Supported on Wide-Pore Silica. <i>Macromolecules</i> , 2002, 35, 602-609.	2.2	46
324	Cross-linked Polymersome Membranes: Vesicles with Broadly Adjustable Properties. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2848-2854.	1.2	249

#	ARTICLE	IF	CITATIONS
325	Cryogenic Transmission Electron Microscopy (Cryo-TEM) of Micelles and Vesicles Formed in Water by Poly(ethylene oxide)-Based Block Copolymers. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3354-3364.	1.2	320
326	Role of Block Copolymers on Suppression of Droplet Coalescence. <i>Macromolecules</i> , 2002, 35, 7845-7855.	2.2	177
327	From Membranes to Melts, Rouse to Reptation: $\hat{A}$ Diffusion in Polymersome versus Lipid Bilayers. <i>Macromolecules</i> , 2002, 35, 323-326.	2.2	120
328	Modeling of coalescence in polymer blends. <i>AIChE Journal</i> , 2002, 48, 7-14.	1.8	73
329	Influence of long-chain branching on the miscibility of poly(ethylene-r-ethylethylene) blends with different microstructures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002, 40, 466-477.	2.4	8
330	Critical phenomena in binary and ternary polymer blends. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 411-418.	1.2	16
331	Polymersomes: A New Platform for Drug Targeting. , 2002, , 459-471.		7
332	Comparison of Original and Cross-linked Wormlike Micelles of Poly(ethylene oxide-b-butadiene) in Water: $\hat{A}$ Rheological Properties and Effects of Poly(ethylene oxide) Addition. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8302-8311.	1.2	56
333	Methacrylic Block Copolymers through Metal-Mediated Living Free Radical Polymerization for Modification of Thermosetting Epoxy. <i>Macromolecules</i> , 2001, 34, 8593-8595.	2.2	92
334	Morphological Behavior Bridging the Symmetric AB and ABC States in the Poly(styrene-b-isoprene-b-ethylene oxide) Triblock Copolymer System. <i>Macromolecules</i> , 2001, 34, 6994-7008.	2.2	155
335	Role of Chain Architecture in the Adhesion of Block Copolymers. <i>Macromolecules</i> , 2001, 34, 1323-1327.	2.2	17
336	Phase Behavior of an ABC Triblock Copolymer Blended with A and C Homopolymers. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12448-12460.	1.2	26
337	Shear-Induced Nano-Macro Structural Transition in a Polymeric Bicontinuous Microemulsion. <i>Physical Review Letters</i> , 2001, 87, 098301.	2.9	46
338	Influence of Shear on the Alignment of a Lamellae-Forming Pentablock Copolymer. <i>Macromolecules</i> , 2001, 34, 951-964.	2.2	85
339	Micellar structure and mechanical properties of block copolymer-modified epoxies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001, 39, 2996-3010.	2.4	194
340	Preparation, stability, and in vitro performance of vesicles made with diblock copolymers. <i>Biotechnology and Bioengineering</i> , 2001, 73, 135-145.	1.7	384
341	PCHE-based pentablock copolymers: Evolution of a new plastic. <i>AIChE Journal</i> , 2001, 47, 762-765.	1.8	84
342	Static and dynamic scattering from ternary polymer blends: Bicontinuous microemulsions, Lifshitz lines, and amphiphilicity. <i>Journal of Chemical Physics</i> , 2001, 114, 7247-7259.	1.2	79

#	ARTICLE	IF	CITATIONS
343	Semicrystalline blends of polyethylene and isotactic polypropylene: Improving mechanical performance by enhancing the interfacial structure. , 2000, 38, 108-121.		49
344	Entropically driven phase separation of highly branched/linear polyolefin blends. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2965-2975.	2.4	26
345	Coalescence in polymer blends during shearing. AIChE Journal, 2000, 46, 229-238.	1.8	91
346	Polymer vesicles in various media. Current Opinion in Colloid and Interface Science, 2000, 5, 125-131.	3.4	204
347	Dynamic light scattering from ternary polymer blends: critical behavior and bicontinuous microemulsions. Macromolecular Symposia, 2000, 149, 107-112.	0.4	2
348	Reactive Block Copolymers for Modification of Thermosetting Epoxy. Macromolecules, 2000, 33, 9522-9534.	2.2	250
349	High-Strength Welds in Metallocene Polypropylene/Polyethylene Laminates. Science, 2000, 288, 2187-2190.	6.0	76
350	Selectively Epoxidized Polyisoprene~Polybutadiene Block Copolymers. Macromolecules, 2000, 33, 2308-2310.	2.2	64
351	Control of Hierarchical Order in Crystalline Composites of Diblock Copolymers and a Molecular Chromophore. Chemistry of Materials, 2000, 12, 236-249.	3.2	19
352	Block Copolymer Based Pressure Sensitive Adhesives Modified with PPO for Increased Service Temperatures. Journal of Adhesion, 2000, 73, 65-85.	1.8	2
353	Ternary Polymer Blends as Model Surfactant Systems. Journal of Physical Chemistry B, 2000, 104, 6987-6997.	1.2	91
354	Segment Distribution of the Micellar Brushes of Poly(ethylene oxide) via Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2000, 104, 7134-7143.	1.2	89
355	Semicrystalline blends of polyethylene and isotactic polypropylene: Improving mechanical performance by enhancing the interfacial structure. , 2000, 38, 108.		2
356	Transfer of a chemical substrate pattern into an island-forming diblock copolymer film. Journal of Chemical Physics, 1999, 111, 11101-11110.	1.2	61
357	Polymersomes: Tough Vesicles Made from Diblock Copolymers. Science, 1999, 284, 1143-1146.	6.0	2,369
358	Non-equilibrium phase behavior of diblock copolymer melts and binary blends in the intermediate segregation regime. , 1999, 37, 2229-2238.		33
359	Core~Shell Gyroid Morphology in a Poly(isoprene-block-styrene-block-dimethylsiloxane) Triblock Copolymer. Journal of the American Chemical Society, 1999, 121, 8457-8465.	6.6	194
360	Giant Wormlike Rubber Micelles. Science, 1999, 283, 960-963.	6.0	665

#	ARTICLE	IF	CITATIONS
361	Molecular and Mesoscopic Structures of Transparent Block Copolymer-Silica Monoliths. <i>Macromolecules</i> , 1999, 32, 4332-4342.	2.2	279
362	Dynamics of ternary polymer blends: Disordered, ordered and bicontinuous microemulsion phases. <i>Faraday Discussions</i> , 1999, 112, 335-350.	1.6	48
363	Block Copolymers—Designer Soft Materials. <i>Physics Today</i> , 1999, 52, 32-38.	0.3	2,749
364	Model Bicontinuous Microemulsions in Ternary Homopolymer/Block Copolymer Blends. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4814-4824.	1.2	159
365	Interfacial Reaction Induced Roughening in Polymer Blends. <i>Macromolecules</i> , 1999, 32, 106-110.	2.2	102
366	Directly Resolved Core-Corona Structure of Block Copolymer Micelles by Cryo-Transmission Electron Microscopy. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10331-10334.	1.2	104
367	Spinodal Decomposition in a Subsurface Layer of a Polymer Blend Film. <i>Macromolecules</i> , 1999, 32, 3758-3765.	2.2	29
368	Diffusion in Mixtures of Asymmetric Diblock Copolymers with Homopolymers. <i>Macromolecules</i> , 1999, 32, 3353-3359.	2.2	30
369	Ordering in Blends of Diblock Copolymers. <i>Macromolecules</i> , 1998, 31, 3498-3508.	2.2	51
370	Nanostructured Thermosets from Self-Assembled Amphiphilic Block Copolymer/Epoxy Resin Mixtures. <i>Journal of the American Chemical Society</i> , 1998, 120, 8963-8970.	6.6	408
371	Transition Mechanisms for Complex Ordered Phases in Block Copolymer Melts. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1356-1363.	1.2	115
372	Block Copolymer Self-Diffusion in the Gyroid and Cylinder Morphologies. <i>Macromolecules</i> , 1998, 31, 5363-5370.	2.2	79
373	Fractal Hole Growth in Strained Block Copolymer Films. <i>Physical Review Letters</i> , 1998, 81, 1861-1864.	2.9	35
374	Can a single function for $\chi$ account for block copolymer and homopolymer blend phase behavior?. <i>Journal of Chemical Physics</i> , 1998, 108, 2989-3000.	1.2	166
375	Shear-induced ordering kinetics of a triblock copolymer melt. <i>Journal of Chemical Physics</i> , 1998, 108, 326-333.	1.2	40
376	Polymeric Bicontinuous Microemulsions. <i>Physical Review Letters</i> , 1997, 79, 849-852.	2.9	300
377	Influence of crystallinity on the morphology of poly(ethylene oxide) containing diblock copolymers. <i>Macromolecular Symposia</i> , 1997, 117, 121-130.	0.4	32
378	Phase Behavior of Isotactic Polypropylene-Poly(ethylene/ethylene) Random Copolymer Blends. <i>Macromolecules</i> , 1997, 30, 3650-3657.	2.2	50

#	ARTICLE	IF	CITATIONS
379	Flow-Induced Reactive Self-Assembly. <i>Macromolecules</i> , 1997, 30, 1243-1246.	2.2	83
380	Stability of the Perforated Layer (PL) Phase in Diblock Copolymer Melts. <i>Macromolecules</i> , 1997, 30, 3788-3795.	2.2	259
381	Self-Assembly and Polymerization of Epoxy Resin-Amphiphilic Block Copolymer Nanocomposites. <i>Journal of the American Chemical Society</i> , 1997, 119, 2749-2750.	6.6	393
382	Direct measurement of adhesion between viscoelastic polymers: A contact mechanical approach. <i>Journal of Rheology</i> , 1997, 41, 1349-1364.	1.3	52
383	Design of bicontinuous polymeric microemulsions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2775-2786.	2.4	69
384	Microstructure of triblock copolymers in asphalt oligomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 2857-2877.	2.4	64
385	Microstructure of triblock copolymers in asphalt oligomers. , 1997, 35, 2857.		1
386	Phase Behavior of Polystyrene- $\alpha$ -Poly(2-vinylpyridine) Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 2857-2867.	2.2	182
387	Unifying Weak- and Strong-Segregation Block Copolymer Theories. <i>Macromolecules</i> , 1996, 29, 1091-1098.	2.2	1,636
388	Synthesis and Characterization of Model Polyalkane- $\alpha$ -Poly(ethylene oxide) Block Copolymers. <i>Macromolecules</i> , 1996, 29, 6994-7002.	2.2	306
389	Transient Surface Roughening of Thin Films of Phase Separating Polymer Mixtures. <i>Langmuir</i> , 1996, 12, 3716-3720.	1.6	41
390	Phase Behavior of Pure Diblocks and Binary Diblock Blends of Poly(ethylene)- $\alpha$ -Poly(ethylene). <i>Macromolecules</i> , 1996, 29, 1204-1215.	2.2	193
391	Order, Disorder, and Composition Fluctuation Effects in Low Molar Mass Hydrocarbon- $\alpha$ -Poly(dimethylsiloxane) Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 5940-5947.	2.2	64
392	Crystallization of nanoscale-confined diblock copolymer chains. <i>Polymer</i> , 1996, 37, 4425-4429.	1.8	112
393	Crystallization in Oriented Semicrystalline Diblock Copolymers. <i>Macromolecules</i> , 1996, 29, 8835-8843.	2.2	231
394	Neutron Research Community. <i>Science</i> , 1996, 273, 1477-1480.	6.0	1
395	Transmission electron microscopy of saturated hydrocarbon block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 247-252.	2.4	65
396	Isotactic polypropylene-compatible block copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995, 33, 1423-1427.	2.4	5

#	ARTICLE	IF	CITATIONS
397	Synthesis and characterization of poly(vinylcyclohexane) derivatives. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1527-1536.	2.4	41
398	Polyisoprene-Polystyrene Diblock Copolymer Phase Diagram near the Order-Disorder Transition. Macromolecules, 1995, 28, 8796-8806.	2.2	965
399	Comment on "Equilibrium Properties of a Diblock Copolymer Lamellar Phase Confined between Flat Plates". Physical Review Letters, 1995, 75, 976-976.	2.9	8
400	Isotropic Lifshitz Behavior in Block Copolymer-Homopolymer Blends. Physical Review Letters, 1995, 75, 4429-4432.	2.9	112
401	Confined Block Copolymer Thin Films. Macromolecules, 1995, 28, 2897-2904.	2.2	146
402	Laboratory-scale setup for anionic polymerization under inert atmosphere. Review of Scientific Instruments, 1995, 66, 1090-1095.	0.6	158
403	Order and Disorder in Symmetric Diblock Copolymer Melts. Macromolecules, 1995, 28, 1429-1443.	2.2	193
404	Complex layered phases in asymmetric diblock copolymers. Journal De Physique II, 1994, 4, 2161-2186.	0.9	33
405	Bates, Wiltzius, and Fredrickson reply. Physical Review Letters, 1994, 72, 2305-2305.	2.9	1
406	Topology of forward scattering of neutrons from imperfect multilayers. Physical Review B, 1994, 50, 9565-9568.	1.1	10
407	Ordering in asymmetric poly(ethylene-propylene)-poly(ethylene) diblock copolymer thin films. Journal of Chemical Physics, 1994, 100, 1620-1629.	1.2	99
408	Epitaxial Relationship for Hexagonal-to-Cubic Phase Transition in a Block Copolymer Mixture. Physical Review Letters, 1994, 73, 86-89.	2.9	254
409	Harmonic corrections to the mean-field phase diagram for block copolymers. Journal of Chemical Physics, 1994, 100, 6813-6817.	1.2	34
410	Entropic Corrections to the Flory-Huggins Theory of Polymer Blends: Architectural and Conformational Effects. Macromolecules, 1994, 27, 2503-2511.	2.2	233
411	Epitaxial growth and shearing of the body centered cubic phase in diblock copolymer melts. Journal of Rheology, 1994, 38, 999-1027.	1.3	174
412	Fluctuations, conformational asymmetry and block copolymer phase behaviour. Faraday Discussions, 1994, 98, 7-18.	1.6	399
413	Complex Phase Behavior of Polyisoprene-Polystyrene Diblock Copolymers Near the Order-Disorder Transition. Macromolecules, 1994, 27, 6922-6935.	2.2	412
414	Surface-Induced Asymmetries during Spinodal Decomposition in Off-Critical Polymer Mixtures. Macromolecules, 1994, 27, 6768-6776.	2.2	39



#	ARTICLE	IF	CITATIONS
415	Conformational Asymmetry in Poly(vinylcyclohexane) Containing Diblock Copolymers. <i>Macromolecules</i> , 1994, 27, 3611-3618.	2.2	55
416	Conformational Asymmetry and Polymer-Polymer Thermodynamics. <i>Macromolecules</i> , 1994, 27, 1065-1067.	2.2	137
417	Spinodal decomposition in thin polymer films. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994, 98, 446-448.	0.9	32
418	Applications of Fourier-synthesis methods to the analysis of specular reflectivity. <i>Journal of Applied Crystallography</i> , 1993, 26, 650-659.	1.9	13
419	Entropy-driven surface segregation in block copolymer melts. <i>Physical Review Letters</i> , 1993, 70, 307-310.	2.9	89
420	Dynamic scaling in spinodally decomposing isotopic polymer mixtures. <i>Macromolecules</i> , 1993, 26, 3448-3454.	2.2	15
421	Heterogeneous catalytic hydrogenation of polystyrene: thermodynamics of poly(vinylcyclohexane)-containing diblock copolymers. <i>Macromolecules</i> , 1993, 26, 4122-4127.	2.2	103
422	Interference of spinodal waves in thin polymer films. <i>Macromolecules</i> , 1993, 26, 5566-5571.	2.2	125
423	Dynamically sheared body-centered-cubic ordered diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 4058-4060.	2.2	77
424	Hexagonal mesophases between lamellae and cylinders in a diblock copolymer melt. <i>Macromolecules</i> , 1993, 26, 5959-5970.	2.2	263
425	Real space observation of dynamic scaling in a critical polymer mixture. <i>Physical Review Letters</i> , 1993, 71, 3669-3672.	2.9	115
426	Shear-induced isotropic-to-lamellar transition. <i>Physical Review Letters</i> , 1993, 70, 1449-1452.	2.9	204
427	Order, disorder, and fluctuation effects in an asymmetric poly(ethylene- $\epsilon$ -propylene)- $\epsilon$ -poly(ethylethylene) diblock copolymer. <i>Journal of Chemical Physics</i> , 1992, 96, 9122-9132.	1.2	90
428	Molecular weight scaling in critical polymer mixtures. <i>Physical Review Letters</i> , 1992, 68, 2452-2455.	2.9	87
429	Light-scattering experiments on phase-separation dynamics in binary fluid mixtures. <i>Physical Review A</i> , 1992, 45, 885-897.	1.0	157
430	Structure of symmetric polyolefin block copolymer thin films. <i>Journal of Chemical Physics</i> , 1992, 96, 8605-8615.	1.2	87
431	Correlation of binary polyolefin phase behavior with statistical segment length asymmetry. <i>Macromolecules</i> , 1992, 25, 5547-5550.	2.2	133
432	Order-disorder transition: diblock versus triblock copolymers. <i>Macromolecules</i> , 1992, 25, 939-943.	2.2	114

#	ARTICLE	IF	CITATIONS
433	Lamellae orientation in dynamically sheared diblock copolymer melts. <i>Journal De Physique II</i> , 1992, 2, 1941-1959.	0.9	174
434	Surface-directed spinodal decomposition. <i>Physical Review Letters</i> , 1991, 66, 1326-1329.	2.9	408
435	Self-diffusion of symmetric diblock copolymer melts near the ordering transition. <i>Macromolecules</i> , 1991, 24, 1383-1386.	2.2	59
436	Surface-Directed Spinodal Decomposition. <i>Physical Review Letters</i> , 1991, 66, 3087-3087.	2.9	5
437	Static and dynamic crossover in a critical polymer mixture. <i>Physical Review Letters</i> , 1990, 65, 1893-1896.	2.9	137
438	Gaussian- to stretched-coil transition in block copolymer melts. <i>Physical Review Letters</i> , 1990, 65, 1112-1115.	2.9	203
439	Nucleation and growth of monodisperse droplets in a binary-fluid system. <i>Physical Review Letters</i> , 1990, 65, 863-866.	2.9	67
440	The order-disorder transition in binary mixtures of nearly symmetric diblock copolymers. <i>Macromolecules</i> , 1990, 23, 4336-4338.	2.2	38
441	Fluctuation effects in a symmetric diblock copolymer near the order-disorder transition. <i>Journal of Chemical Physics</i> , 1990, 92, 6255-6270.	1.2	417
442	Block Copolymer Thermodynamics: Theory and Experiment. <i>Annual Review of Physical Chemistry</i> , 1990, 41, 525-557.	4.8	3,581
443	Spinodal decomposition of a symmetric critical mixture of deuterated and protonated polymer. <i>Journal of Chemical Physics</i> , 1989, 91, 3258-3274.	1.2	375
444	Synthesis and characterization of a model saturated hydrocarbon diblock copolymer. <i>Macromolecules</i> , 1989, 22, 2557-2564.	2.2	80
445	Thermodynamics of isotopic polymer mixtures: poly(vinylethylene) and poly(ethylethylene). <i>Macromolecules</i> , 1988, 21, 1086-1094.	2.2	99
446	Fluctuation-Induced First-Order Transition of an Isotropic System to a Periodic State. <i>Physical Review Letters</i> , 1988, 61, 2229-2232.	2.9	144
447	Spinodal decomposition in isotopic polymer mixtures. <i>Physical Review Letters</i> , 1988, 60, 1538-1541.	2.9	76
448	Structure of porous Vycor glass. <i>Physical Review A</i> , 1987, 36, 2991-2994.	1.0	109
449	Isotope-Induced Quantum-Phase Transitions in the Liquid State. <i>Physical Review Letters</i> , 1986, 57, 1429-1432.	2.9	153
450	Critical dynamics of binary polymer mixtures. <i>Journal of Chemical Physics</i> , 1986, 85, 633-634.	1.2	17

#	ARTICLE	IF	CITATIONS
451	Using the rotational masking concept to enhance substrate inhibited reaction rates: controlled pore supports for enzyme immobilization. <i>Enzyme and Microbial Technology</i> , 1985, 7, 266-274.	1.6	6
452	Critical Behavior of Binary Liquid Mixtures of Deuterated and Protonated Polymers. <i>Physical Review Letters</i> , 1985, 55, 2425-2428.	2.9	214
453	Block copolymers near the microphase separation transition. 3. Small-angle neutron scattering study of the homogeneous melt state. <i>Macromolecules</i> , 1985, 18, 2478-2486.	2.2	85
454	Measurement of the correlation hole in homogeneous block copolymer melts. <i>Macromolecules</i> , 1985, 18, 525-528.	2.2	52
455	Block copolymers near the microphase separation transition. 1. Preparation and physical characterization of a model system. <i>Macromolecules</i> , 1984, 17, 1987-1993.	2.2	40
456	Block copolymers near the microphase separation transition. 2. Linear dynamic mechanical properties. <i>Macromolecules</i> , 1984, 17, 2607-2613.	2.2	187
457	Single-chain scattering in heterogeneous block copolymers. <i>Polymer</i> , 1983, 24, 519-524.	1.8	53
458	Microphase structure of solvent-cast diblock copolymers and copolymer-homopolymer blends containing spherical microdomains. <i>Macromolecules</i> , 1983, 16, 1101-1108.	2.2	100
459	Dynamic mechanical properties of polystyrene containing microspherical inclusions of polybutadiene: influence of domain boundaries and rubber molecular weight. <i>Macromolecules</i> , 1983, 16, 1108-1114.	2.2	77
460	Sphere sizes in diblock copolymers: discrepancy between electron microscopy and small-angle scattering results. <i>Polymer</i> , 1982, 23, 1222-1226.	1.8	41