

An-Chang Shi

List of Publications by Year in descending order

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243
papers

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36691

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247
times ranked

6279
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#	ARTICLE	IF	CITATIONS
1	Mechanisms of Flow-Induced Polymer Translocation. <i>Macromolecules</i> , 2022, 55, 3602-3612.	2.2	9
2	Translocation of Micelles through a Nanochannel. <i>Macromolecules</i> , 2022, 55, 6487-6492.	2.2	6
3	Comment on "Quantify the contribution of chain length heterogeneity on block copolymer self-assembly". <i>Giant</i> , 2021, 5, 100046.	2.5	6
4	Formation of complex spherical packing phases in diblock copolymer/homopolymer blends. <i>Giant</i> , 2021, 5, 100043.	2.5	44
5	Self-Assembly of Nonfrustrated ABCBA Linear Pentablock Terpolymers. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100014.	0.6	5
6	Binary Blends of Diblock Copolymers: An Effective Route to Novel Bicontinuous Phases. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100019.	0.6	15
7	Frustration in block copolymer assemblies. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 253001.	0.7	27
8	Multiphase Coacervates Driven by Electrostatic Correlations. <i>ACS Macro Letters</i> , 2021, 10, 1041-1047.	2.3	11
9	Force-Extension Curve of an Entangled Polymer Chain: A Superspace Approach. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1345.	2.0	2
10	Binary Blends of Diblock Copolymers: An Efficient Route to Complex Spherical Packing Phases. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100053.	0.6	14
11	Formation of Ionomer Microparticles via Polyelectrolyte Complexation. <i>Macromolecules</i> , 2021, 54, 9053-9062.	2.2	18
12	Transition pathways connecting crystals and quasicrystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
13	Polymer Translocation Time. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11534-11542.	2.1	5
14	Pathways connecting two opposed bilayers with a fusion pore: a molecularly-informed phase field approach. <i>Soft Matter</i> , 2020, 16, 366-374.	1.2	15
15	Spherical Supramolecular Structures Constructed via Chemically Symmetric Perylene Bisimides: Beyond Columnar Assembly. <i>Angewandte Chemie</i> , 2020, 132, 18722-18730.	1.6	9
16	First reaction: Mesoatom alloys via self-sorting approach of giant molecules blends. <i>Giant</i> , 2020, 4, 100032.	2.5	2
17	Elastic properties of self-assembled bilayer membranes: Analytic expressions via asymptotic expansion. <i>Journal of Chemical Physics</i> , 2020, 152, 244121.	1.2	2
18	Spherical Supramolecular Structures Constructed via Chemically Symmetric Perylene Bisimides: Beyond Columnar Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18563-18571.	7.2	28

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19	Stabilizing Phases of Block Copolymers with Gigantic Spheres via Designed Chain Architectures. ACS Macro Letters, 2020, 9, 668-673.	2.3	61
20	Fine-tuned order-order phase transitions in giant surfactants via interfacial engineering. Giant, 2020, 1, 100002.	2.5	17
21	Formation and Regulation of Multicompartment Vesicles from Cyclic Diblock Copolymer Solutions: A Simulation Study. ACS Omega, 2020, 5, 9366-9376.	1.6	6
22	Dual Cross-Linked Vinyl Vitriimer with Efficient Self-Catalysis Achieving Triple-Shape-Memory Properties. Macromolecular Rapid Communications, 2019, 40, e1900313.	2.0	38
23	Highly Ordered Sub-10 nm Patterns Based on Multichain Columns of Side-Chain Liquid Crystalline Polymers. Macromolecules, 2019, 52, 5033-5041.	2.2	19
24	Superstretchable Dynamic Polymer Networks. Advanced Materials, 2019, 31, e1904029.	11.1	75
25	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. Angewandte Chemie - International Edition, 2019, 58, 11879-11885.	7.2	28
26	Self-Assembled Morphologies of Lamella-Forming Block Copolymers Confined in Conical Nanopores. Macromolecules, 2019, 52, 4803-4811.	2.2	12
27	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. Angewandte Chemie, 2019, 131, 12005-12011.	1.6	10
28	Elastic property of membranes self-assembled from diblock and triblock copolymers. Chemistry and Physics of Lipids, 2019, 221, 83-92.	1.5	6
29	Self-Consistent Field Theory of Inhomogeneous Polymeric Systems: A Variational Derivation. Advanced Theory and Simulations, 2019, 2, 1800188.	1.3	5
30	Fractional yield and phase separation of ladder-like interpolymer complexation between diblock copolymers. Polymer, 2019, 183, 121836.	1.8	0
31	Elastic properties of liquid-crystalline bilayers self-assembled from semiflexible-flexible diblock copolymers. Soft Matter, 2019, 15, 9215-9223.	1.2	4
32	Effects of Chain Topology on the Self-Assembly of AB-Type Block Copolymers. Macromolecules, 2018, 51, 1529-1538.	2.2	44
33	Origins of low-symmetry phases in asymmetric diblock copolymer melts. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 847-854.	3.3	101
34	Highly Asymmetric Phase Behaviors of Polyhedral Oligomeric Silsesquioxane-Based Multiheaded Giant Surfactants. ACS Nano, 2018, 12, 1868-1877.	7.3	54
35	Emergence and Stability of a Hybrid Lamella-Sphere Structure from Linear ABAB Tetrablock Copolymers. ACS Macro Letters, 2018, 7, 95-99.	2.3	26
36	Effect of Chain Architecture on Self-Assembled Aggregates from Cyclic AB Diblock and Linear ABA Triblock Copolymers in Solution. Langmuir, 2018, 34, 4013-4023.	1.6	9

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37	Self-Alignment of Cylinder-Forming Silicon-Containing Block Copolymer Films. <i>Macromolecules</i> , 2018, 51, 7656-7665.	2.2	10
38	Stability of Two-Dimensional Dodecagonal Quasicrystalline Phase of Block Copolymers. <i>Macromolecules</i> , 2018, 51, 7713-7721.	2.2	29
39	Membrane-Modulating Drugs can Affect the Size of Amyloid- β 35 Aggregates in Anionic Membranes. <i>Scientific Reports</i> , 2018, 8, 12367.	1.6	8
40	Stability of icosahedral quasicrystals in a simple model with two-length scales. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 124003.	0.7	13
41	Planet-Satellite Micellar Superstructures Formed by ABCB Terpolymers in Solution. <i>ACS Macro Letters</i> , 2017, 6, 257-261.	2.3	13
42	Partitioning of caffeine in lipid bilayers reduces membrane fluidity and increases membrane thickness. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7101-7111.	1.3	33
43	Self-Assembled Morphologies of Linear and Miktoarm Star Triblock Copolymer Monolayers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4642-4649.	1.2	8
44	Liquid crystalline bilayers self-assembled from rod-coil diblock copolymers. <i>Soft Matter</i> , 2017, 13, 4607-4615.	1.2	21
45	Computing Optimal Interfacial Structure of Modulated Phases. <i>Communications in Computational Physics</i> , 2017, 21, 1-15.	0.7	39
46	Self-Assembled Structures of Giant Surfactants Exhibit a Remarkable Sensitivity on Chemical Compositions and Topologies for Tailoring Sub-10 nm Nanostructures. <i>Macromolecules</i> , 2017, 50, 303-314.	2.2	46
47	Nonclassical Spherical Packing Phases Self-Assembled from AB-Type Block Copolymers. <i>ACS Macro Letters</i> , 2017, 6, 1257-1262.	2.3	93
48	Tetragonal phase of cylinders self-assembled from binary blends of AB diblock and (A α B) n star copolymers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25754-25763.	1.3	6
49	Formation of Single Gyroid Nanostructure by Order-Order Phase Transition Path in ABC Triblock Terpolymers. <i>Macromolecular Theory and Simulations</i> , 2017, 26, 1700023.	0.6	6
50	Orienting Silicon-Containing Block Copolymer Films with Perpendicular Cylinders via Entropy and Surface Plasma Treatment. <i>Macromolecules</i> , 2017, 50, 9403-9410.	2.2	31
51	Effects of Blockiness and Polydispersity on the Phase Behavior of Random Block Copolymers. <i>Macromolecular Theory and Simulations</i> , 2017, 26, 1600044.	0.6	10
52	Self-consistent Field Theory of Inhomogeneous Polymeric Systems. <i>Molecular Modeling and Simulation</i> , 2017, , 155-180.	0.2	6
53	Influence of Grafting Point Distribution on the Surface Structures of Y-Shaped Polymer Brushes in Solution. <i>Langmuir</i> , 2016, 32, 7467-7475.	1.6	4
54	Emergence of ordered network mesophases in kinetic pathways of order-order transition for linear ABC triblock terpolymers. <i>Soft Matter</i> , 2016, 12, 9769-9785.	1.2	8

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55	Stabilizing the Frank-Kasper Phases via Binary Blends of AB Diblock Copolymers. ACS Macro Letters, 2016, 5, 1167-1171.	2.3	131
56	Topological Effect on the Structure of Self-Assembled Aggregates from Amphiphilic Macromolecules in Solution. Macromolecular Theory and Simulations, 2016, 25, 559-570.	0.6	4
57	Stability of the Frank-Kasper f -phase in ABC linear tetrablock terpolymers. Soft Matter, 2016, 12, 6412-6421.	1.2	33
58	Formation of Nonclassical Ordered Phases of A -Type Multiarm Block Copolymers. Physical Review Letters, 2016, 116, 068304.	2.9	67
59	Amyloid- β peptides aggregate into cross sheets in unsaturated anionic lipid membranes at high peptide concentrations. Soft Matter, 2016, 12, 3165-3176.	1.2	23
60	Molecular-Curvature-Induced Spontaneous Formation of Curved and Concentric Lamellae through Nucleation. Angewandte Chemie - International Edition, 2016, 55, 2459-2463.	7.2	44
61	Density Functional Study for Homodendrimers and Amphiphilic Dendrimers. Journal of Physical Chemistry B, 2016, 120, 5553-5563.	1.2	15
62	Orienting Block Copolymer Thin Films via Entropy. Macromolecules, 2016, 49, 624-633.	2.2	57
63	Tunable Affinity and Molecular Architecture Lead to Diverse Self-Assembled Supramolecular Structures in Thin Films. ACS Nano, 2016, 10, 919-929.	7.3	47
64	Probing the two-stage transition upon crossing the glass transition of polystyrene by solid-state NMR. Chinese Journal of Polymer Science (English Edition), 2016, 34, 446-456.	2.0	8
65	Hybrid particle-field molecular dynamics simulation for polyelectrolyte systems. Physical Chemistry Chemical Physics, 2016, 18, 9799-9808.	1.3	34
66	Stability of two-dimensional soft quasicrystals in systems with two length scales. Physical Review E, 2015, 92, 042159.	0.8	28
67	Effect of mobile ions on the electric field needed to orient charged diblock copolymer thin films. Journal of Chemical Physics, 2015, 143, 134902.	1.2	9
68	Application of self-consistent field theory to self-assembled bilayer membranes. Chinese Physics B, 2015, 24, 128707.	0.7	9
69	A Simulation Study of Phase Behavior of Double-Hydrophilic Block Copolymers in Aqueous Solutions. Macromolecules, 2015, 48, 8897-8906.	2.2	20
70	Kinetic Pathways of Lamellae to Gyroid Transition in Weakly Segregated Diblock Copolymers. Macromolecules, 2015, 48, 8681-8693.	2.2	28
71	Excluded volume effects in compressed polymer brushes: A density functional theory. Journal of Chemical Physics, 2015, 142, 124904.	1.2	11
72	Self-assembly of lamella-forming diblock copolymers confined in nanochannels: Effect of confinement geometry. Chinese Physics B, 2015, 24, 046402.	0.7	1

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73	Perfectly Ordered Patterns via Corner-Induced Heterogeneous Nucleation of Self-Assembling Block Copolymers Confined in Hexagonal Potential Wells. <i>Macromolecules</i> , 2015, 48, 4174-4182.	2.2	22
74	Line tension of multicomponent bilayer membranes. <i>Physical Review E</i> , 2015, 91, 022713.	0.8	11
75	Self-Assembly of Binary Mesocrystals from Blends of BABCB Multiblock Copolymers and ABC Triblock Copolymers. <i>Macromolecules</i> , 2015, 48, 3386-3394.	2.2	22
76	Chain Overcrowding Induced Phase Separation and Hierarchical Structure Formation in Fluorinated Polyhedral Oligomeric Silsesquioxane (FPOSS)-Based Giant Surfactants. <i>Macromolecules</i> , 2015, 48, 7172-7179.	2.2	35
77	Self-Assembly of Linear ABCBA Pentablock Terpolymers. <i>Macromolecules</i> , 2015, 48, 6214-6223.	2.2	36
78	Regulating block copolymer phases via selective homopolymers. <i>Journal of Chemical Physics</i> , 2015, 142, 124903.	1.2	3
79	Statistical dynamics of classical systems: A self-consistent field approach. <i>Journal of Chemical Physics</i> , 2014, 140, 244907.	1.2	15
80	Shape variation of micelles in polymer thin films. <i>Journal of Chemical Physics</i> , 2014, 140, 024903.	1.2	8
81	Probing the Nanostructure, Interfacial Interaction, and Dynamics of Chitosan-Based Nanoparticles by Multiscale Solid-State NMR. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21397-21407.	4.0	21
82	Novel optical anisotropy of a liquid crystalline "cubic" phase in a discotic crown ether derivative. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5168.	2.7	13
83	Effects of molecular geometry on the self-assembly of giant polymer "dendron conjugates in condensed state. <i>Soft Matter</i> , 2014, 10, 3200.	1.2	12
84	Patchy nanoparticles self-assembled from linear triblock copolymers under spherical confinement: a simulated annealing study. <i>Soft Matter</i> , 2014, 10, 6831-6843.	1.2	29
85	Asymmetric Giant "Bolaform-like" Surfactants: Precise Synthesis, Phase Diagram, and Crystallization-Induced Phase Separation. <i>Macromolecules</i> , 2014, 47, 4622-4633.	2.2	46
86	Ïf Phase Formed in Conformationally Asymmetric AB-Type Block Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 906-910.	2.3	218
87	Macromolecular Metallurgy of Binary Mesocrystals via Designed Multiblock Terpolymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 2974-2977.	6.6	131
88	Finite-length effects on the coil-globule transition of a strongly charged polyelectrolyte chain in a salt-free solvent. <i>Physical Review E</i> , 2013, 87, 042608.	0.8	6
89	Phase Diagram of Diblock Copolymers Confined in Thin Films. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5280-5288.	1.2	92
90	Self-assembly of diblock copolymers under confinement. <i>Soft Matter</i> , 2013, 9, 1398-1413.	1.2	227

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91	Enhancing composition window of bicontinuous structures by designed polydispersity distribution of ABA triblock copolymers. <i>Polymer</i> , 2013, 54, 6253-6260.	1.8	22
92	Micellization of linear A-b-(B-alt-C) _n multiblock terpolymers in A-selective solvents. <i>Polymer</i> , 2013, 54, 431-439.	1.8	8
93	New strategy of nanolithography via controlled block copolymer self-assembly. <i>Soft Matter</i> , 2013, 9, 536-542.	1.2	26
94	Effects of compositional polydispersity on gradient copolymer melts. <i>Journal of Chemical Physics</i> , 2013, 138, 074906.	1.2	8
95	A Strategy to Explore Stable and Metastable Ordered Phases of Block Copolymers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5296-5305.	1.2	50
96	Modeling Hydrogen Bonding in Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2013, 46, 5796-5805.	2.2	42
97	Self-assembled morphologies of ABA triblock copolymer brushes in selective solvents. <i>Journal of Chemical Physics</i> , 2013, 138, 114905.	1.2	3
98	Note: Effects of polydispersity on the phase behavior of AB diblock and BAB triblock copolymer melts: A dissipative particle dynamics simulation study. <i>Journal of Chemical Physics</i> , 2013, 139, 096101.	1.2	11
99	Kinetics of lamellar formation on sparsely stripped patterns. <i>Journal of Chemical Physics</i> , 2013, 139, 194903.	1.2	11
100	Order-Disorder and Order-Order Transitions. , 2013, , 1-4.		0
101	Elastic properties and line tension of self-assembled bilayer membranes. <i>Physical Review E</i> , 2013, 88, 012718.	0.8	30
102	Emergence and stability of intermediate open vesicles in disk-to-vesicle transitions. <i>Physical Review E</i> , 2013, 88, 012719.	0.8	12
103	Self-Consistent Field Theory. , 2013, , 1-6.		0
104	Giant surfactants provide a versatile platform for sub-10-nm nanostructure engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10078-10083.	3.3	202
105	The Observation of Highly Ordered Domains in Membranes with Cholesterol. <i>PLoS ONE</i> , 2013, 8, e66162.	1.1	100
106	Phase behaviors and ordering dynamics of diblock copolymer self-assembly directed by lateral hexagonal confinement. <i>Journal of Chemical Physics</i> , 2012, 137, 194905.	1.2	14
107	Ion Solvation in Liquid Mixtures: Effects of Solvent Reorganization. <i>Physical Review Letters</i> , 2012, 109, 257802.	2.9	57
108	Emergence and Stability of Helical Superstructures in ABC Triblock Copolymers. <i>Macromolecules</i> , 2012, 45, 503-509.	2.2	75

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109	Self-Assembled Morphologies of Diblock Copolymer Brushes in Poor Solvents. <i>Macromolecules</i> , 2012, 45, 4920-4931.	2.2	18
110	Phase Behavior of Binary Blends of Diblock Copolymer/Homopolymer Confined in Spherical Nanopores. <i>Langmuir</i> , 2012, 28, 1569-1578.	1.6	33
111	Theoretical Study of Phase Behavior of Frustrated ABC Linear Triblock Copolymers. <i>Macromolecules</i> , 2012, 45, 9522-9530.	2.2	73
112	Effect of cholesterol on the lateral nanoscale dynamics of fluid membranes. <i>European Biophysics Journal</i> , 2012, 41, 901-913.	1.2	51
113	Transition Path from Two Apposed Membranes to a Stalk Obtained by a Combination of Particle Simulations and String Method. <i>Physical Review Letters</i> , 2012, 108, 228103.	2.9	47
114	Phase behavior of semiflexible-coil diblock copolymers: a hybrid numerical SCFT approach. <i>Soft Matter</i> , 2011, 7, 929-938.	1.2	55
115	Origin of epitaxies between ordered phases of block copolymers. <i>Soft Matter</i> , 2011, 7, 10552.	1.2	9
116	Block copolymer self-organization vs. interfacial modification in bilayered thin-film laminates. <i>Soft Matter</i> , 2011, 7, 3268.	1.2	14
117	The influence of volume fractions on the phase behaviors of linear A(BC) _n BA ² multiblock terpolymers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12421.	1.3	16
118	Microphase and Macrophase Separations in Binary Blends of Diblock Copolymers. <i>Macromolecules</i> , 2011, 44, 1680-1694.	2.2	35
119	Phase Separation Induced by Ladder-Like Polymer~Polymer Complexation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2783-2790.	1.2	4
120	Soft Confinement-Induced Morphologies of Diblock Copolymers. <i>Langmuir</i> , 2011, 27, 11683-11689.	1.6	102
121	Phase Behavior of Rod~Coil Diblock Copolymer and Homopolymer Blends from Self-Consistent Field Theory. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8390-8400.	1.2	29
122	Confined self-assembly of cylinder-forming diblock copolymers: effects of confining geometries. <i>Soft Matter</i> , 2011, 7, 10227.	1.2	69
123	Critical Micelle Concentration of Micelles with Different Geometries in Diblock Copolymer/Homopolymer Blends. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 690-699.	0.6	21
124	Conformation transitions of a polyelectrolyte chain: A replica-exchange Monte-Carlo study. <i>Physical Review E</i> , 2011, 84, 021804.	0.8	9
125	Ordering kinetics of block copolymers directed by periodic two-dimensional rectangular fields. <i>Journal of Chemical Physics</i> , 2011, 134, 144901.	1.2	19
126	A numerical method for the study of nucleation of ordered phases. <i>Journal of Computational Physics</i> , 2010, 229, 1797-1809.	1.9	26

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127	Labyrinthine pattern of polymer crystals from supercooled ultrathin films. <i>Polymer</i> , 2010, 51, 554-562.	1.8	18
128	Stability of hierarchical lamellar morphologies formed in ABC star triblock copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1101-1109.	2.4	21
129	Real-space self-consistent mean-field theory study of ABC star triblock copolymers. <i>Journal of Chemical Physics</i> , 2010, 133, 064904.	1.2	48
130	Conformation of a tethered polymer in a leaky nanocavity. <i>Journal of Chemical Physics</i> , 2010, 132, 174102.	1.2	0
131	Nucleation of Ordered Phases in Block Copolymers. <i>Physical Review Letters</i> , 2010, 104, 148301.	2.9	106
132	Self-Consistent Field Theory of Block Copolymers. <i>Series in Sof Condensed Matter</i> , 2010, , 85-103.	0.1	0
133	Ordering Dynamics of Directed Self-Assembly of Block Copolymers in Periodic Two-Dimensional Fields. <i>Macromolecules</i> , 2010, 43, 1644-1650.	2.2	38
134	Phase Behavior of Binary Blends of Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15789-15798.	1.2	26
135	Stability of Perpendicular and Parallel Lamellae within Lamellae of Multiblock Terpolymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14875-14883.	1.2	19
136	SCFT Study of Tiling Patterns in ABC Star Terpolymers. <i>Macromolecules</i> , 2010, 43, 2981-2989.	2.2	53
137	Gyroid-Forming Diblock Copolymers Confined in Cylindrical Geometry: A Case of Extreme Makeover for Domain Morphology. <i>Macromolecules</i> , 2010, 43, 3061-3071.	2.2	61
138	Plateau-Rayleigh instability in a torus: formation and breakup of a polymer ring. <i>Soft Matter</i> , 2010, 6, 1258.	1.2	56
139	Complex Micelles from Self-Assembly of ABA Triblock Copolymers in B-Selective Solvents. <i>Langmuir</i> , 2010, 26, 4226-4232.	1.6	42
140	Self-consistent field theory of polymer-ionic molecule complexation. <i>Journal of Chemical Physics</i> , 2010, 132, 194103.	1.2	7
141	Understanding Soft Condensed Matter via Modeling and Computation. <i>Series in Sof Condensed Matter</i> , 2010, , .	0.1	7
142	Study of entropy-driven self-assembly of rigid macromolecules. <i>Physical Review E</i> , 2009, 80, 021112.	0.8	9
143	Ordering of a lamella-forming fluid near an interface. <i>Physical Review E</i> , 2009, 80, 051803.	0.8	12
144	Kinetics of signaling-DNA-aptamer-ATP binding. <i>Physical Review E</i> , 2009, 79, 031906.	0.8	12

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145	Microphase separation induced by differential interactions in diblock copolymer/homopolymer blends. <i>Journal of Chemical Physics</i> , 2009, 130, 234904.	1.2	21
146	Enhanced Exfoliation of Organoclay in Partially End-Functionalized Non-Polar Polymer. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 190-195.	1.7	15
147	Spherical/gyroid phase diagram of the diblock copolymer in the median selective solvent. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 518-523.	0.2	2
148	New Numerical Implementation of Self-Consistent Field Theory for Semiflexible Polymers. <i>Macromolecules</i> , 2009, 42, 6300-6309.	2.2	56
149	A Theoretical Study of Phase Behaviors for Diblock Copolymers in Selective Solvents. <i>Macromolecules</i> , 2009, 42, 6791-6798.	2.2	39
150	Helical Vesicles, Segmented Semivesicles, and Noncircular Bilayer Sheets from Solution-State Self-Assembly of ABC Miktoarm Star Terpolymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 8503-8512.	6.6	91
151	Theory of Hierarchical Lamellar Structures from $A_n B_n C_n$ Multiblock Copolymers. <i>Macromolecules</i> , 2009, 42, 811-819.	2.2	35
152	Self-Assembly of ABC Star Triblock Copolymers under a Cylindrical Confinement. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11153-11159.	1.2	36
153	Phase Behavior of Ternary Homopolymer/Gradient Copolymer Blends. <i>Macromolecules</i> , 2009, 42, 2275-2285.	2.2	41
154	Epitaxially Driven Formation of Intricate Supported Gold Nanostructures on a Lattice-Matched Oxide Substrate. <i>Nano Letters</i> , 2009, 9, 4258-4263.	4.5	20
155	STUDY OF THE PHASE BEHAVIOR OF BINARY BLENDS OF SYMMETRIC LONG AND NEARLY SYMMETRIC SHORT DIBLOCK COPOLYMERS. <i>Acta Polymerica Sinica</i> , 2009, 007, 1035-1039.	0.0	0
156	Confinement Effect on the Body-Centered-Cubic Phase of Diblock Copolymers in Film. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 45-51.	0.6	7
157	Simulated Annealing Study of Self-Assembly of Symmetric ABA Triblock Copolymers Confined in Cylindrical Nanopores. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 86-102.	0.6	24
158	Self-Assembly of Cylinder-Forming ABA Triblock Copolymers under Cylindrical Confinement. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 301-312.	0.6	30
159	Confinement-Induced Morphologies of Cylinder-Forming Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 2008, 41, 4042-4054.	2.2	85
160	Numerical simulation of phase separation coupled with crystallization. <i>Journal of Chemical Physics</i> , 2008, 129, 154901.	1.2	16
161	Microstructures of a Cylinder-Forming Diblock Copolymer under Spherical Confinement. <i>Macromolecules</i> , 2008, 41, 8938-8943.	2.2	112
162	Phase Behavior of Gradient Copolymers. <i>Macromolecules</i> , 2008, 41, 5457-5465.	2.2	76

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163	Adsorption and Depletion of Polyelectrolytes in Charged Cylindrical System within Self-Consistent Field Theory. <i>Macromolecules</i> , 2008, 41, 5451-5456.	2.2	27
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