

An-Chang Shi

List of Publications by Year in descending order

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243
papers

9,239
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31976

53
h-index

58581

82
g-index

247
all docs

247
docs citations

247
times ranked

5494
citing authors

#	ARTICLE	IF	CITATIONS
1	Confinement-Induced Novel Morphologies of Block Copolymers. <i>Physical Review Letters</i> , 2006, 96, 138306.	7.8	278
2	Mean-field approach to magnetic ordering in highly frustrated pyrochlores. <i>Physical Review B</i> , 1991, 43, 865-878.	3.2	254
3	Self-assembly of diblock copolymers under confinement. <i>Soft Matter</i> , 2013, 9, 1398-1413.	2.7	227
4	Ïf Phase Formed in Conformationally Asymmetric AB-Type Block Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 906-910.	4.8	218
5	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.	7.1	202
6	Onsets of Tethered Chain Overcrowding and Highly Stretched Brush Regime via Crystalline~Amorphous Diblock Copolymers. <i>Macromolecules</i> , 2006, 39, 641-650.	4.8	159
7	Budded, Mesoporous Silica Hollow Spheres: Hierarchical Structure Controlled by Kinetic Self-Assembly. <i>Advanced Materials</i> , 2006, 18, 3284-3288.	21.0	156
8	Stability of Ordered Phases in Diblock Copolymer Melts. <i>Macromolecules</i> , 1997, 30, 3242-3255.	4.8	151
9	Effects of Polydispersity on Phase Behavior of Diblock Copolymers. <i>Macromolecules</i> , 2006, 39, 6661-6671.	4.8	146
10	Self-Assembly of Symmetric Diblock Copolymers Confined in Spherical Nanopores. <i>Macromolecules</i> , 2007, 40, 9133-9142.	4.8	144
11	Discovering Ordered Phases of Block Copolymers: New Results from a Generic Fourier-Space Approach. <i>Physical Review Letters</i> , 2008, 101, 028301.	7.8	133
12	Macromolecular Metallurgy of Binary Mesocrystals via Designed Multiblock Terpolymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 2974-2977.	13.7	131
13	Stabilizing the Frank-Kasper Phases via Binary Blends of <i>AB</i> Diblock Copolymers. <i>ACS Macro Letters</i> , 2016, 5, 1167-1171.	4.8	131
14	Pinning andl-Vcharacteristics of a two-dimensional defective flux-line lattice. <i>Physical Review Letters</i> , 1991, 67, 1926-1929.	7.8	125
15	Origin of Microstructures from Confined Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 2007, 40, 7329-7335.	4.8	113
16	Microstructures of a Cylinder-Forming Diblock Copolymer under Spherical Confinement. <i>Macromolecules</i> , 2008, 41, 8938-8943.	4.8	112
17	Stability of Ordered Phases in Weakly Segregated Diblock Copolymer Systems. <i>Physical Review Letters</i> , 1997, 78, 2577-2580.	7.8	108
18	Nucleation of Ordered Phases in Block Copolymers. <i>Physical Review Letters</i> , 2010, 104, 148301.	7.8	106

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19	Theory of Phase Behavior of Poly(oxyethylene)- <i>b</i> -Poly(oxypropylene)- <i>b</i> -Poly(oxyethylene) Triblock Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 1996, 29, 5907-5919.	4.8	105
20	Soft Confinement-Induced Morphologies of Diblock Copolymers. <i>Langmuir</i> , 2011, 27, 11683-11689.	3.5	102
21	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.	7.1	101
22	The Observation of Highly Ordered Domains in Membranes with Cholesterol. <i>PLoS ONE</i> , 2013, 8, e66162.	2.5	100
23	Theory of inhomogeneous weakly charged polyelectrolytes. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 214-229.	1.4	95
24	Nonclassical Spherical Packing Phases Self-Assembled from AB-Type Block Copolymers. <i>ACS Macro Letters</i> , 2017, 6, 1257-1262.	4.8	93
25	Phase Diagram of Diblock Copolymers Confined in Thin Films. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5280-5288.	2.6	92
26	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.	13.7	91
27	Theory of Anisotropic Fluctuations in Ordered Block Copolymer Phases. <i>Macromolecules</i> , 1996, 29, 6487-6504.	4.8	89
28	Self-assembly of diblock copolymers confined in cylindrical nanopores. <i>Journal of Chemical Physics</i> , 2007, 127, 114906.	3.0	86
29	Confinement-Induced Morphologies of Cylinder-Forming Asymmetric Diblock Copolymers. <i>Macromolecules</i> , 2008, 41, 4042-4054.	4.8	85
30	Effect of Polydispersity on the Formation of Vesicles from Amphiphilic Diblock Copolymers. <i>Macromolecules</i> , 2005, 38, 6710-6717.	4.8	77
31	Mobility, Miscibility, and Microdomain Structure in Nanostructured Thermoset Blends of Epoxy Resin and Amphiphilic Poly(ethylene oxide)-block-poly(propylene oxide)-block-poly(ethylene oxide) Triblock Copolymers Characterized by Solid-State NMR. <i>Macromolecules</i> , 2005, 38, 5654-5667.	4.8	77
32	Effects of Short Diblocks at Interfaces of Strongly Segregated Long Diblocks. <i>Macromolecules</i> , 1994, 27, 2936-2944.	4.8	76
33	Phase Behavior of Gradient Copolymers. <i>Macromolecules</i> , 2008, 41, 5457-5465.	4.8	76
34	Emergence and Stability of Helical Superstructures in ABC Triblock Copolymers. <i>Macromolecules</i> , 2012, 45, 503-509.	4.8	75
35	Superstretchable Dynamic Polymer Networks. <i>Advanced Materials</i> , 2019, 31, e1904029.	21.0	75
36	Surface-Induced Anisotropic Chain Ordering of Polycaprolactone on Oriented Polyethylene Substrate: ϵ -Epitaxy and Soft Epitaxy. <i>Macromolecules</i> , 2006, 39, 8041-8048.	4.8	73

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37	Theoretical Study of Phase Behavior of Frustrated ABC Linear Triblock Copolymers. <i>Macromolecules</i> , 2012, 45, 9522-9530.	4.8	73
38	Simulations of the onset of diffusion in a flux-line lattice in a random potential. <i>Physical Review B</i> , 1990, 41, 6394-6398.	3.2	71
39	Confined self-assembly of cylinder-forming diblock copolymers: effects of confining geometries. <i>Soft Matter</i> , 2011, 7, 10227.	2.7	69
40	The effects of gas adsorption on particle shapes in supported platinum catalysts. <i>Journal of Catalysis</i> , 1989, 120, 421-431.	6.2	68
41	Formation of Nonclassical Ordered Phases of $A-B$ -Type Multiarm Block Copolymers. <i>Physical Review Letters</i> , 2016, 116, 068304.	7.8	67
42	Various Types of Hydrogen Bonds, Their Temperature Dependence and Water-Polymer Interaction in Hydrated Poly(Acrylic Acid) as Revealed by ^1H Solid-State NMR Spectroscopy. <i>Macromolecules</i> , 2007, 40, 5776-5786.	4.8	66
43	Unusual Rheological Behavior of Liquid Polybutadiene Rubber/Clay Nanocomposite Gels: The Role of Polymer-Clay Interaction, Clay Exfoliation, and Clay Orientation and Disorientation. <i>Macromolecules</i> , 2006, 39, 6653-6660.	4.8	64
44	A Simulated Annealing Study of Diblock Copolymer Brushes in Selective Solvents. <i>Macromolecules</i> , 2007, 40, 5161-5170.	4.8	61
45	Gyroid-Forming Diblock Copolymers Confined in Cylindrical Geometry: A Case of Extreme Makeover for Domain Morphology. <i>Macromolecules</i> , 2010, 43, 3061-3071.	4.8	61
46	Stabilizing Phases of Block Copolymers with Gigantic Spheres via Designed Chain Architectures. <i>ACS Macro Letters</i> , 2020, 9, 668-673.	4.8	61
47	Binary Mixtures of Diblock Copolymers. Phase Diagrams with a New Twist. <i>Macromolecules</i> , 1995, 28, 3103-3109.	4.8	59
48	Ion Solvation in Liquid Mixtures: Effects of Solvent Reorganization. <i>Physical Review Letters</i> , 2012, 109, 257802.	7.8	57
49	Orienting Block Copolymer Thin Films via Entropy. <i>Macromolecules</i> , 2016, 49, 624-633.	4.8	57
50	New Numerical Implementation of Self-Consistent Field Theory for Semiflexible Polymers. <i>Macromolecules</i> , 2009, 42, 6300-6309.	4.8	56
51	Plateau-Rayleigh instability in a torus: formation and breakup of a polymer ring. <i>Soft Matter</i> , 2010, 6, 1258.	2.7	56
52	Phase behavior of semiflexible-coil diblock copolymers: a hybrid numerical SCFT approach. <i>Soft Matter</i> , 2011, 7, 929-938.	2.7	55
53	Highly Asymmetric Phase Behaviors of Polyhedral Oligomeric Silsesquioxane-Based Multiheaded Giant Surfactants. <i>ACS Nano</i> , 2018, 12, 1868-1877.	14.6	54
54	Two-fluid interpretation of the conductivity of clean BCS superconductors. <i>Physical Review B</i> , 1993, 48, 4074-4079.	3.2	53

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55	SCFT Study of Tiling Patterns in ABC Star Terpolymers. <i>Macromolecules</i> , 2010, 43, 2981-2989.	4.8	53
56	Anisotropic fluctuations in ordered copolymer phases. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 291-298.	1.4	52
57	Effect of cholesterol on the lateral nanoscale dynamics of fluid membranes. <i>European Biophysics Journal</i> , 2012, 41, 901-913.	2.2	51
58	A Strategy to Explore Stable and Metastable Ordered Phases of Block Copolymers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5296-5305.	2.6	50
59	Exfoliation of Organo-Clay in Telechelic Liquid Polybutadiene Rubber. <i>Macromolecules</i> , 2005, 38, 4030-4033.	4.8	49
60	Self-assembled morphologies of diblock copolymers confined in nanochannels: Effects of confinement geometry. <i>Journal of Chemical Physics</i> , 2007, 126, 204903.	3.0	49
61	Simulated Annealing Study of Diblock Copolymer Thin Films Confined between Two Homogeneous Surfaces. <i>ChemPhysChem</i> , 2004, 5, 540-548.	2.1	48
62	Real-space self-consistent mean-field theory study of ABC star triblock copolymers. <i>Journal of Chemical Physics</i> , 2010, 133, 064904.	3.0	48
63	Simulated annealing study of morphological transitions of diblock copolymers in solution. <i>Journal of Chemical Physics</i> , 2005, 122, 204905.	3.0	47
64	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.	7.8	47
65	Tunable Affinity and Molecular Architecture Lead to Diverse Self-Assembled Supramolecular Structures in Thin Films. <i>ACS Nano</i> , 2016, 10, 919-929.	14.6	47
66	Asymmetric Giant "Bolaform-like" Surfactants: Precise Synthesis, Phase Diagram, and Crystallization-Induced Phase Separation. <i>Macromolecules</i> , 2014, 47, 4622-4633.	4.8	46
67	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.	4.8	46
68	Nucleation of stable cylinders from a metastable lamellar phase in a diblock copolymer melt. <i>Journal of Chemical Physics</i> , 2003, 118, 10293-10305.	3.0	45
69	Molecular "Curvature" Induced Spontaneous Formation of Curved and Concentric Lamellae through Nucleation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2459-2463.	13.8	44
70	Effects of Chain Topology on the Self-Assembly of AB-Type Block Copolymers. <i>Macromolecules</i> , 2018, 51, 1529-1538.	4.8	44
71	Formation of complex spherical packing phases in diblock copolymer/homopolymer blends. <i>Giant</i> , 2021, 5, 100043.	5.1	44
72	Lower critical ordering temperature in diblock copolymer melts. <i>Physical Review Letters</i> , 1994, 72, 1834-1837.	7.8	43

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73	Formation of Interfaces in Incompatible Polymer Blends: A Dynamical Mean Field Study. <i>Macromolecules</i> , 1999, 32, 3637-3642.	4.8	42
74	Complex Micelles from Self-Assembly of ABA Triblock Copolymers in B-Selective Solvents. <i>Langmuir</i> , 2010, 26, 4226-4232.	3.5	42
75	Modeling Hydrogen Bonding in Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2013, 46, 5796-5805.	4.8	42
76	Phase Behavior of Ternary Homopolymer/Gradient Copolymer Blends. <i>Macromolecules</i> , 2009, 42, 2275-2285.	4.8	41
77	Cylinder-gyroid-lamella transitions in diblock copolymer solutions: A simulated annealing study. <i>Journal of Chemical Physics</i> , 2005, 123, 234902.	3.0	40
78	Crystal Growth Mechanism Changes in Pseudo-Dewetted Poly(ethylene oxide) Thin Layers. <i>Macromolecules</i> , 2007, 40, 1570-1578.	4.8	40
79	Equilibrium shape of NaCl crystals: A first-principles calculation. <i>Physical Review B</i> , 1988, 37, 7793-7805.	3.2	39
80	A Theoretical Study of Phase Behaviors for Diblock Copolymers in Selective Solvents. <i>Macromolecules</i> , 2009, 42, 6791-6798.	4.8	39
81	Computing Optimal Interfacial Structure of Modulated Phases. <i>Communications in Computational Physics</i> , 2017, 21, 1-15.	1.7	39
82	Ordering Dynamics of Directed Self-Assembly of Block Copolymers in Periodic Two-Dimensional Fields. <i>Macromolecules</i> , 2010, 43, 1644-1650.	4.8	38
83	Dual Cross-Linked Vinyl Vitriimer with Efficient Self-Catalysis Achieving Triple-Shape-Memory Properties. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900313.	3.9	38
84	Simulated annealing study of asymmetric diblock copolymer thin films. <i>Journal of Chemical Physics</i> , 2006, 124, 184708.	3.0	36
85	Self-Assembly of ABC Star Triblock Copolymers under a Cylindrical Confinement. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11153-11159.	2.6	36
86	Self-Assembly of Linear ABCBA Pentablock Terpolymers. <i>Macromolecules</i> , 2015, 48, 6214-6223.	4.8	36
87	Theory of Hierarchical Lamellar Structures from $A_n B_m C_p$ Multiblock Copolymers. <i>Macromolecules</i> , 2009, 42, 811-819.	4.8	35
88	Microphase and Macrophase Separations in Binary Blends of Diblock Copolymers. <i>Macromolecules</i> , 2011, 44, 1680-1694.	4.8	35
89	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.	4.8	35
90	Hybrid particle-field molecular dynamics simulation for polyelectrolyte systems. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9799-9808.	2.8	34

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91	Effect of Short Diblock Copolymers at Internal Interfaces of Large Diblock Copolymer Mesophases. <i>Macromolecules</i> , 1996, 29, 5920-5925.	4.8	33
92	Phase Behavior of Binary Blends of Diblock Copolymer/Homopolymer Confined in Spherical Nanopores. <i>Langmuir</i> , 2012, 28, 1569-1578.	3.5	33
93	Stability of the Frank-Kasper Γ -phase in ABC linear tetrablock terpolymers. <i>Soft Matter</i> , 2016, 12, 6412-6421.	2.7	33
94	Partitioning of caffeine in lipid bilayers reduces membrane fluidity and increases membrane thickness. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7101-7111.	2.8	33
95	Orienting Silicon-Containing Block Copolymer Films with Perpendicular Cylinders via Entropy and Surface Plasma Treatment. <i>Macromolecules</i> , 2017, 50, 9403-9410.	4.8	31
96	Depletion interaction between two colloidal particles in a nonadsorbing polymer solution. <i>Physical Review E</i> , 2006, 74, 041808.	2.1	30
97	Structure of Adsorbed Polymers on a Colloid Particle. <i>Macromolecules</i> , 2006, 39, 4168-4174.	4.8	30
98	Effects of confinement on the order-disorder transition of diblock copolymer melts. <i>Journal of Chemical Physics</i> , 2006, 124, 144902.	3.0	30
99	Self-Assembly of Cylinder-Forming ABA Triblock Copolymers under Cylindrical Confinement. <i>Macromolecular Theory and Simulations</i> , 2008, 17, 301-312.	1.4	30
100	Elastic properties and line tension of self-assembled bilayer membranes. <i>Physical Review E</i> , 2013, 88, 012718.	2.1	30
101	Effect of Polydispersity on the Phase Diagrams of Linear ABC Triblock Copolymers in Two Dimensions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21047-21055.	2.6	29
102	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.	2.6	29
103	Patchy nanoparticles self-assembled from linear triblock copolymers under spherical confinement: a simulated annealing study. <i>Soft Matter</i> , 2014, 10, 6831-6843.	2.7	29
104	Stability of Two-Dimensional Dodecagonal Quasicrystalline Phase of Block Copolymers. <i>Macromolecules</i> , 2018, 51, 7713-7721.	4.8	29
105	Stability of two-dimensional soft quasicrystals in systems with two length scales. <i>Physical Review E</i> , 2015, 92, 042159.	2.1	28
106	Kinetic Pathways of Lamellae to Gyroid Transition in Weakly Segregated Diblock Copolymers. <i>Macromolecules</i> , 2015, 48, 8681-8693.	4.8	28
107	Breaking Parallel Orientation of Rods via a Dendritic Architecture toward Diverse Supramolecular Structures. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11879-11885.	13.8	28
108	Spherical Supramolecular Structures Constructed via Chemically Symmetric Perylene Bisimides: Beyond Columnar Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18563-18571.	13.8	28

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109	Nature of anisotropic fluctuation modes in ordered systems. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 10183-10197.	1.8	27
110	Adsorption and Depletion of Polyelectrolytes in Charged Cylindrical System within Self-Consistent Field Theory. <i>Macromolecules</i> , 2008, 41, 5451-5456.	4.8	27
111	Frustration in block copolymer assemblies. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 253001.	1.8	27
112	Order-Disorder Transition, Microdomain Structure, and Phase Behavior in Binary Mixtures of Low Molecular Weight Polystyrene-block-polyisoprene Copolymers. <i>Macromolecules</i> , 1997, 30, 5832-5842.	4.8	26
113	A numerical method for the study of nucleation of ordered phases. <i>Journal of Computational Physics</i> , 2010, 229, 1797-1809.	3.8	26
114	Phase Behavior of Binary Blends of Diblock Copolymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15789-15798.	2.6	26
115	New strategy of nanolithography via controlled block copolymer self-assembly. <i>Soft Matter</i> , 2013, 9, 536-542.	2.7	26
116	Emergence and Stability of a Hybrid Lamella-Sphere Structure from Linear ABAB Tetrablock Copolymers. <i>ACS Macro Letters</i> , 2018, 7, 95-99.	4.8	26
117	Effects of adsorption on equilibrium crystal shape: A zero-temperature calculation. <i>Physical Review B</i> , 1987, 36, 9068-9081.	3.2	25
118	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.	1.4	24
119	Amyloid- β peptides aggregate into cross- β sheets in unsaturated anionic lipid membranes at high peptide concentrations. <i>Soft Matter</i> , 2016, 12, 3165-3176.	2.7	23
120	Crust Effect on Multiscale Pattern Formations in Drying Micelle Solution Drops on Solid Substrates. <i>Langmuir</i> , 2004, 20, 9520-9525.	3.5	22
121	Enhancing composition window of bicontinuous structures by designed polydispersity distribution of ABA triblock copolymers. <i>Polymer</i> , 2013, 54, 6253-6260.	3.8	22
122	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.	4.8	22
123	Self-Assembly of Binary Mesocrystals from Blends of BABCB Multiblock Copolymers and ABC Triblock Copolymers. <i>Macromolecules</i> , 2015, 48, 3386-3394.	4.8	22
124	Morphology evolution in superheated crystal monolayer of low molecular weight poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	3.8	21
125	Microphase separation induced by differential interactions in diblock copolymer/homopolymer blends. <i>Journal of Chemical Physics</i> , 2009, 130, 234904.	3.0	21
126	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.	2.1	21

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127	Critical Micelle Concentration of Micelles with Different Geometries in Diblock Copolymer/Homopolymer Blends. <i>Macromolecular Theory and Simulations</i> , 2011, 20, 690-699.	1.4	21
128	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.	8.0	21
129	Liquid crystalline bilayers self-assembled from rod-coil diblock copolymers. <i>Soft Matter</i> , 2017, 13, 4607-4615.	2.7	21
130	Elastic properties of a two-dimensional lattice in a weak random pinning potential: Origin of the pinning force. <i>Physical Review B</i> , 1990, 42, 2116-2124.	3.2	20
131	The nature of phase transitions of symmetric diblock copolymer melts under confinement. <i>Polymer</i> , 2007, 48, 4278-4287.	3.8	20
132	Epitaxially Driven Formation of Intricate Supported Gold Nanostructures on a Lattice-Matched Oxide Substrate. <i>Nano Letters</i> , 2009, 9, 4258-4263.	9.1	20
133	A Simulation Study of Phase Behavior of Double-Hydrophilic Block Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 2015, 48, 8897-8906.	4.8	20
134	Diblock Copolymer Blends as Mixtures of Surfactants and Cosurfactants. <i>Macromolecules</i> , 1994, 27, 6661-6664.	4.8	19
135	The crystallization morphology and melting behavior of polymer crystals in nano-sized domains. <i>Polymer</i> , 2007, 48, 4926-4931.	3.8	19
136	Stability of Perpendicular and Parallel Lamellae within Lamellae of Multiblock Terpolymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14875-14883.	2.6	19
137	Ordering kinetics of block copolymers directed by periodic two-dimensional rectangular fields. <i>Journal of Chemical Physics</i> , 2011, 134, 144901.	3.0	19
138	Highly Ordered Sub-10 nm Patterns Based on Multichain Columns of Side-Chain Liquid Crystalline Polymers. <i>Macromolecules</i> , 2019, 52, 5033-5041.	4.8	19
139	Self-Consistent Field Theory of Block Copolymers. , 0, , 265-293.		18
140	Phase Diagram of Poly(ethylene oxide) and Poly(propylene oxide) Triblock Copolymers in Aqueous Solutions. <i>Macromolecules</i> , 2006, 39, 5891-5896.	4.8	18
141	Labyrinthine pattern of polymer crystals from supercooled ultrathin films. <i>Polymer</i> , 2010, 51, 554-562.	3.8	18
142	Self-Assembled Morphologies of Diblock Copolymer Brushes in Poor Solvents. <i>Macromolecules</i> , 2012, 45, 4920-4931.	4.8	18
143	Formation of Ionomer Microparticles via Polyelectrolyte Complexation. <i>Macromolecules</i> , 2021, 54, 9053-9062.	4.8	18
144	Miscibility of Rigid-Rod and Random-Coil Macromolecules through Acid-Base Interactions. <i>Macromolecules</i> , 1999, 32, 1463-1470.	4.8	17

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145	Effect of polydispersity on the depletion interaction in nonadsorbing polymer solutions. <i>Physical Review E</i> , 2007, 75, 061803.	2.1	17
146	Fine-tuned order-order phase transitions in giant surfactants via interfacial engineering. <i>Giant</i> , 2020, 1, 100002.	5.1	17
147	Thermally activated motion of two-dimensional vortices in Bi ₂ Sr ₂ CaCu ₂ O _y crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 205, 99-104.	1.2	16
148	Numerical simulation of phase separation coupled with crystallization. <i>Journal of Chemical Physics</i> , 2008, 129, 154901.	3.0	16
149	Self-assembly of grafted Y-shaped ABC triblock copolymers in solutions. <i>Journal of Chemical Physics</i> , 2008, 129, 154903.	3.0	16
150	The influence of volume fractions on the phase behaviors of linear A(BC) _n B _A triblock terpolymers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12421.	2.8	16
151	Enhanced Exfoliation of Organoclay in Partially End-functionalized Non-polar Polymer. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 190-195.	3.6	15
152	Statistical dynamics of classical systems: A self-consistent field approach. <i>Journal of Chemical Physics</i> , 2014, 140, 244907.	3.0	15
153	Density Functional Study for Homodendrimers and Amphiphilic Dendrimers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5553-5563.	2.6	15
154	Pathways connecting two opposed bilayers with a fusion pore: a molecularly-informed phase field approach. <i>Soft Matter</i> , 2020, 16, 366-374.	2.7	15
155	Binary Blends of Diblock Copolymers: An Effective Route to Novel Bicontinuous Phases. <i>Macromolecular Theory and Simulations</i> , 2021, 30, 2100019.	1.4	15
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