

# Glenn H Fredrickson

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188  
papers

18,162  
citations

57  
h-index

133  
g-index

204  
ext. papers

19,595  
ext. citations

5.9  
avg, IF

6.97  
L-index

#	Paper	IF	Citations
188	Design of Polymeric Zwitterionic Solid Electrolytes with Superionic Lithium Transport.. <i>ACS Central Science</i> , <b>2022</b> , 8, 169-175	16.8	8
187	Ionic Tunability of Conjugated Polyelectrolyte Solutions. <i>Macromolecules</i> , <b>2022</b> , 55, 3437-3448	5.5	2
186	Direct free energy evaluation of classical and quantum many-body systems via field-theoretic simulation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2201804119	11.5	3
185	Self-consistent field theory study of polymer-mediated colloidal interactions in solution: Depletion effects and induced forces. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 154903	3.9	3
184	Molecularly Informed Field Theories from Bottom-up Coarse-Graining.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 576-583	6.83	5
183	Liquid-liquid phase separation of Tau by self and complex coacervation. <i>Protein Science</i> , <b>2021</b> , 30, 1393-1407	14.9	14
182	Non-intuitive Trends in Flory-Huggins Interaction Parameters in Polyether-Based Polymers. <i>Macromolecules</i> , <b>2021</b> , 54, 6670-6677	5.5	1
181	Electrostatic Manipulation of Phase Behavior in Immiscible Charged Polymer Blends. <i>Macromolecules</i> , <b>2021</b> , 54, 2604-2616	5.5	7
180	Emergence of Hexagonally Close-Packed Spheres in Linear Block Copolymer Melts. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 14106-14114	16.4	8
179	Open-source platform for block polymer formulation design using particle swarm optimization. <i>European Physical Journal E</i> , <b>2021</b> , 44, 115	1.5	1
178	Deep learning and self-consistent field theory: A path towards accelerating polymer phase discovery. <i>Journal of Computational Physics</i> , <b>2021</b> , 443, 110519	4.1	5
177	End-to-End Distance Probability Distributions of Dilute Poly(ethylene oxide) in Aqueous Solution. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19631-19641	16.4	7
176	Rapid Generation of Block Copolymer Libraries Using Automated Chromatographic Separation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 9843-9849	16.4	13
175	Effect of an electric field on the stability of binary dielectric fluid mixtures. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 234901	3.9	5
174	Connecting Solute Diffusion to Morphology in Triblock Copolymer Membranes. <i>Macromolecules</i> , <b>2020</b> , 53, 2336-2343	5.5	8
173	The Role of Backbone Polarity on Aggregation and Conduction of Ions in Polymer Electrolytes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 7055-7065	16.4	53
172	Dehydration entropy drives liquid-liquid phase separation by molecular crowding. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	43

171	Synthesis and Self-Assembly of AB <sub>n</sub> Miktoarm Star Polymers. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 396-403	6.6	41
170	Numerical Simulation of Finite-Temperature Field Theory for Interacting Bosons. <i>Physical Review Letters</i> , <b>2020</b> , 124, 070601	7.4	2
169	Monomer Sequence Effects on Interfacial Width and Mixing in Self-Assembled Diblock Copolymers. <i>Macromolecules</i> , <b>2020</b> , 53, 3262-3272	5.5	11
168	The proline-rich domain promotes Tau liquid-liquid phase separation in cells. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7.3	27
167	Extreme Deflection of Phase Boundaries and Chain Bridging in A(BA <sub>n</sub> ) <sub>n</sub> Miktoarm Star Polymers. <i>Macromolecules</i> , <b>2020</b> , 53, 513-522	5.5	23
166	Efficient Synthesis of Asymmetric Miktoarm Star Polymers. <i>Macromolecules</i> , <b>2020</b> , 53, 702-710	5.5	20
165	Complete Photonic Band Gaps with Nonfrustrated ABC Bottlebrush Block Polymers. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 1074-1080	6.6	13
164	Architecture Effects in Complex Spherical Assemblies of (AB) <sub>n</sub> -Type Block Copolymers. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 1745-1752	6.6	10
163	The Role of Polymer-Ion Interaction Strength on the Viscoelasticity and Conductivity of Solvent-Free Polymer Electrolytes. <i>Macromolecules</i> , <b>2020</b> , 53, 10574-10581	5.5	8
162	Shear induced demixing in bidisperse and polydisperse polymer blends: Predictions from a multfluid model. <i>Journal of Rheology</i> , <b>2020</b> , 64, 1391-1408	4.1	5
161	Learning composition-transferable coarse-grained models: Designing external potential ensembles to maximize thermodynamic information. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 154116	3.9	10
160	Mechanisms of Asymmetric Membrane Formation in Nonsolvent-Induced Phase Separation. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 1617-1624	6.6	15
159	Theoretical prediction of an isotropic to nematic phase transition in bottlebrush homopolymer melts. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 094901	3.9	8
158	Linear Scaling Self-Consistent Field Theory with Spectral Contour Accuracy. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1402-1406	6.6	6
157	Sequence Effects on Block Copolymer Self-Assembly through Tuning Chain Conformation and Segregation Strength Utilizing Sequence-Defined Polypeptoids. <i>Macromolecules</i> , <b>2019</b> , 52, 1277-1286	5.5	23
156	Stability of the A15 phase in diblock copolymer melts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13194-13199	11.5	72
155	Mass-transfer driven spinodal decomposition in a ternary polymer solution. <i>Soft Matter</i> , <b>2019</b> , 15, 4614-4628	4.6	21
154	Does shear induced demixing resemble a thermodynamically driven instability?. <i>Journal of Rheology</i> , <b>2019</b> , 63, 335-359	4.1	4

153	Optimized Phase Field Model for Diblock Copolymer Melts. <i>Macromolecules</i> , <b>2019</b> , 52, 2878-2888	5.5	7
152	Contrasting Dielectric Properties of Electrolyte Solutions with Polar and Polarizable Solvents. <i>Physical Review Letters</i> , <b>2019</b> , 122, 128007	7.4	11
151	Complete Phase Diagram for Liquid-Liquid Phase Separation of Intrinsically Disordered Proteins. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1644-1652	6.4	128
150	Molecular design of self-coacervation phenomena in block polyampholytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 8224-8232	11.5	66
149	Miktoarm Stars via Grafting-Through Copolymerization: Self-Assembly and the Star-to-Bottlebrush Transition. <i>Macromolecules</i> , <b>2019</b> , 52, 1794-1802	5.5	44
148	Absence of Electrostatic Rigidity in Conjugated Polyelectrolytes with Pendant Charges. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1147-1152	6.6	9
147	Field-Theoretic Study of Salt-Induced Order and Disorder in a Polarizable Diblock Copolymer. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 962-967	6.6	18
146	Small ion effects on self-coacervation phenomena in block polyampholytes. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 034904	3.9	33
145	Narrow equilibrium window for complex coacervation of tau and RNA under cellular conditions. <i>ELife</i> , <b>2019</b> , 8,	8.9	72
144	Complexation of a Conjugated Polyelectrolyte and Impact on Optoelectronic Properties. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 88-94	6.6	19
143	SCFT Study of Diblock Copolymer Melts in Electric Fields: Selective Stabilization of Orthorhombic Fddd Network Phase. <i>Macromolecules</i> , <b>2018</b> , 51, 3369-3378	5.5	9
142	Mixed Conductive Soft Solids by Electrostatically Driven Network Formation of a Conjugated Polyelectrolyte. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1417-1426	9.6	26
141	Nucleation of the lamellar phase from the disordered phase of the renormalized Landau-Brazovskii model. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 054903	3.9	4
140	Marangoni Flows during Nonsolvent Induced Phase Separation. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 582-586	6.6	20
139	Field-theoretic simulations: An emerging tool for probing soft material assembly. <i>MRS Bulletin</i> , <b>2018</b> , 43, 371-378	3.2	10
138	Level-set strategy for inverse DSA-lithography. <i>Journal of Computational Physics</i> , <b>2018</b> , 375, 1159-1178	4.1	4
137	Coherent states field theory in supramolecular polymer physics. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 204904	3.9	9
136	The effective $\chi$ parameter in polarizable polymeric systems: One-loop perturbation theory and field-theoretic simulations. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 204903	3.9	17

135	Theory of polyelectrolyte complexation-Complex coacervates are self-coacervates. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 224902	3.9	99
134	Functional level-set derivative for a polymer self consistent field theory Hamiltonian. <i>Journal of Computational Physics</i> , <b>2017</b> , 345, 207-223	4.1	9
133	Concentration fluctuations in polymer solutions under mixed flow. <i>Journal of Rheology</i> , <b>2017</b> , 61, 711-730	4.1	5
132	A multi-fluid model for microstructure formation in polymer membranes. <i>Soft Matter</i> , <b>2017</b> , 13, 3013-3030	3.6	34
131	A finite element approach to self-consistent field theory calculations of multiblock polymers. <i>Journal of Computational Physics</i> , <b>2017</b> , 331, 280-296	4.1	5
130	Orientalional Preference in Multilayer Block Copolymer Nanomeshes with Respect to Layer-to-Layer Commensurability. <i>Macromolecules</i> , <b>2017</b> , 50, 8258-8266	5.5	8
129	Inverse Design of Bulk Morphologies in Multiblock Polymers Using Particle Swarm Optimization. <i>Macromolecules</i> , <b>2017</b> , 50, 6702-6709	5.5	28
128	Optimized phase field models in confinement: fast and accurate simulations of directed self-assembly <b>2017</b> ,		3
127	Field-Theoretic Simulations of Fluctuation-Stabilized Aperiodic Bricks-and-Mortar Mesophase in Miktoarm Star Block Copolymer/Homopolymer Blends. <i>Macromolecules</i> , <b>2017</b> , 50, 6263-6272	5.5	11
126	Genetic Algorithm for Discovery of Globally Stable Phases in Block Copolymers. <i>Macromolecules</i> , <b>2016</b> , 49, 6558-6567	5.5	11
125	Recent Developments in Fully Fluctuating Field-Theoretic Simulations of Polymer Melts and Solutions. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7615-34	3.4	71
124	Broadly Accessible Self-Consistent Field Theory for Block Polymer Materials Discovery. <i>Macromolecules</i> , <b>2016</b> , 49, 4675-4690	5.5	100
123	Order-disorder transition in thin films of horizontally-oriented cylinder-forming block copolymers: thermal fluctuations vs. preferential wetting. <i>Soft Matter</i> , <b>2016</b> , 12, 5915-25	3.6	4
122	Fddd network phase in ABA triblock copolymer melts. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1112-1117	2.6	14
121	Cyclic Solvent Annealing Improves Feature Orientation in Block Copolymer Thin Films. <i>Macromolecules</i> , <b>2016</b> , 49, 1743-1751	5.5	20
120	Improved self-assembly of poly(dimethylsiloxane-b-ethylene oxide) using a hydrogen-bonding additive. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 2200-2208	2.5	13
119	Morphology re-entry in asymmetric PS-PI-PS' triblock copolymer and PS homopolymer blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 169-179	2.6	6
118	Shear banding predictions for the two-fluid Rolie-Poly model. <i>Journal of Rheology</i> , <b>2016</b> , 60, 927-951	4.1	17

117	Statistical field theory description of inhomogeneous polarizable soft matter. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 154104	3.9	45
116	Cornucopia of Nanoscale Ordered Phases in Sphere-Forming Tetrablock Terpolymers. <i>ACS Nano</i> , <b>2016</b> , 10, 4961-72	16.7	79
115	Shape optimization for DSA <b>2016</b> ,		2
114	Phase field mapping for accurate, ultrafast simulations of directed self-assembly <b>2016</b> ,		3
113	Swarm Intelligence Platform for Multiblock Polymer Inverse Formulation Design. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 972-976	6.6	22
112	Aperiodic Bricks and Mortar Mesophase: a New Equilibrium State of Soft Matter and Application as a Stiff Thermoplastic Elastomer. <i>Macromolecules</i> , <b>2015</b> , 48, 5378-5384	5.5	27
111	Creating Extremely Asymmetric Lamellar Structures via Fluctuation-Assisted Unbinding of Miktoarm Star Block Copolymer Alloys. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6160-3	16.4	33
110	Effects of thermal fluctuations on directed self-assembly in cylindrical confinement. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2015</b> , 14, 013505	0.7	3
109	Computational study of directed self-assembly for contact-hole shrink and multiplication. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , <b>2015</b> , 14, 013501	0.7	3
108	Enhanced Block Copolymer Phase Separation Using Click Chemistry and Ionic Junctions. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1332-1336	6.6	34
107	Phase behavior of electrostatically complexed polyelectrolyte gels using an embedded fluctuation model. <i>Soft Matter</i> , <b>2015</b> , 11, 1214-25	3.6	47
106	Producing Small Domain Features Using Miktoarm Block Copolymers with Large Interaction Parameters. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 1287-1292	6.6	41
105	Advantages and limitations of density functional theory in block copolymer directed self-assembly <b>2015</b> ,		1
104	Directed self-assembly of linear arrays of block copolymer cylinders. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 317-326	2.6	9
103	Self-consistent field theory investigation of directed self-assembly in cylindrical confinement. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 142-153	2.6	26
102	Computational Study of Directed Self-Assembly in Neutral Prepatterns for a Graphoepitaxial Pitch-Multiplication Application. <i>Macromolecules</i> , <b>2015</b> , 48, 1256-1261	5.5	8
101	Block Copolymer Self Assembly during Rapid Solvent Evaporation: Insights into Cylinder Growth and Stability. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 16-20	6.6	76
100	Improving brush polymer infrared one-dimensional photonic crystals via linear polymer additives. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 17374-7	16.4	103

99	Toward Strong Thermoplastic Elastomers with Asymmetric Miktoarm Block Copolymer Architectures. <i>Macromolecules</i> , <b>2014</b> , 47, 2037-2043	5.5	48
98	A study of shear banding in polymer solutions. <i>Physics of Fluids</i> , <b>2014</b> , 26, 063101	4.4	45
97	Phase Coexistence Calculations of Reversibly Bonded Block Copolymers: A Unit Cell Gibbs Ensemble Approach. <i>Macromolecules</i> , <b>2014</b> , 47, 1865-1874	5.5	10
96	Dynamics of polymers: a mean-field theory. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 084902	3.9	18
95	Field-Theoretic Simulations of Multi-Cylinder Configurations in VIA Lithography. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2014</b> , 27, 21-24	0.7	7
94	The Hole Shrink Problem: Self-Consistent Field Theory for Directed Self-Assembly of Miktoarm Copolymers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2014</b> , 27, 37-39	0.7	7
93	Efficient field-theoretic simulation of polymer solutions. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 224115	3.9	42
92	A multi-species exchange model for fully fluctuating polymer field theory simulations. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 174103	3.9	39
91	Thermodynamic and kinetic aspects of defectivity in directed self-assembly of cylinder-forming diblock copolymers in laterally confining thin channels. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	26
90	Coherent states formulation of polymer field theory. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 024905	3.9	13
89	Comparison of Pseudospectral Algorithms for Field-Theoretic Simulations of Polymers. <i>Macromolecules</i> , <b>2013</b> , 46, 8383-8391	5.5	24
88	Polymer field-theory simulations on graphics processing units. <i>Computer Physics Communications</i> , <b>2013</b> , 184, 2102-2110	4.2	37
87	Allyl Glycidyl Ether-Based Polymer Electrolytes for Room Temperature Lithium Batteries. <i>Macromolecules</i> , <b>2013</b> , 46, 8988-8994	5.5	118
86	Numerical self-consistent field theory of multicomponent polymer blends in the Gibbs ensemble. <i>Soft Matter</i> , <b>2013</b> , 9, 11288	3.6	12
85	Self-assembly in a mixed polymer brush with inhomogeneous grafting density composition. <i>Soft Matter</i> , <b>2013</b> , 9, 5341	3.6	14
84	The hole shrink problem: Theoretical studies of directed self-assembly in cylindrical confinement <b>2013</b> ,		12
83	Shear banding in polymer solutions. <i>Physics of Fluids</i> , <b>2013</b> , 25, 051703	4.4	65
82	The Hole Shrink Problem: Directed Self-Assembly Using Self-Consistent Field Theory. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2013</b> , 26, 15-20	0.7	16



81	Defectivity in Laterally Confined Lamella-Forming Diblock Copolymers: Thermodynamic and Kinetic Aspects. <i>Macromolecules</i> , <b>2012</b> , 45, 6253-6265	5.5	122
80	Effect of film thickness and domain spacing on defect densities in directed self-assembly of cylindrical morphology block copolymers. <i>ACS Nano</i> , <b>2012</b> , 6, 2629-41	16.7	75
79	Multiblock polymers: panacea or Pandora's box?. <i>Science</i> , <b>2012</b> , 336, 434-40	33.3	778
78	Directed self-assembly of laterally confined lamellae-forming diblock copolymers: polydispersity and substrate interaction effects <b>2012</b> ,		8
77	Investigation of the interfacial tension of complex coacervates using field-theoretic simulations. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 024903	3.9	77
76	Self-consistent field theory of directed self-assembly in laterally confined lamellae-forming diblock copolymers <b>2012</b> ,		7
75	Self-consistent field simulations of self- and directed-assembly in a mixed polymer brush. <i>Soft Matter</i> , <b>2011</b> , 7, 8776	3.6	27
74	Macro- and Microphase Separation in Multifunctional Supramolecular Polymer Networks. <i>Macromolecules</i> , <b>2011</b> , 44, 9411-9423	5.5	12
73	Spectral collocation methods for polymer brushes. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 244905	3.9	27
72	Poly(allyl glycidyl ether)-A versatile and functional polyether platform. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4498-4504	2.5	93
71	Self-consistent field theory for diblock copolymers grafted to a sphere. <i>Soft Matter</i> , <b>2011</b> , 7, 5128	3.6	37
70	Field-theoretic simulations in the Gibbs ensemble. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 024104	3.9	37
69	Numerical coarse-graining of fluid field theories. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 034109	3.9	28
68	Field-theoretic model of inhomogeneous supramolecular polymer networks and gels. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 174903	3.9	14
67	Design of Soft and Strong Thermoplastic Elastomers Based on Nonlinear Block Copolymer Architectures Using Self-Consistent-Field Theory. <i>Macromolecules</i> , <b>2010</b> , 43, 3479-3486	5.5	54
66	Processing-structure-mechanical property relationships of semicrystalline polyolefin-based block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 1428-1437	2.6	35
65	Supramolecular assembly in telechelic polymer blends. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 144906	3.9	23
64	SCFT Simulations of Thin Film Blends of Block Copolymer and Homopolymer Laterally Confined in a Square Well. <i>Macromolecules</i> , <b>2009</b> , 42, 5861-5872	5.5	87



63	Thermoreversible associating polymer networks. I. Interplay of thermodynamics, chemical kinetics, and polymer physics. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 224902	3.9	59
62	Numerical Solutions of the Complex Langevin Equations in Polymer Field Theory. <i>Multiscale Modeling and Simulation</i> , <b>2008</b> , 6, 1347-1370	1.8	43
61	Evolution of block copolymer lithography to highly ordered square arrays. <i>Science</i> , <b>2008</b> , 322, 429-32	33.3	532
60	Complex coacervation: a field theoretic simulation study of polyelectrolyte complexation. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 224908	3.9	121
59	Free energy evaluation in field-theoretic polymer simulations. <i>Physical Review Letters</i> , <b>2008</b> , 101, 138302	7.4	85
58	Diblock Copolymer Thin Films: A Field-Theoretic Simulation Study. <i>Macromolecules</i> , <b>2007</b> , 40, 4075-4087	5.5	50
57	Field-theoretic simulations of polyelectrolyte complexation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 3223-3230	2.6	61
56	Microdomain Ordering in Laterally Confined Block Copolymer Thin Films. <i>Macromolecules</i> , <b>2007</b> , 40, 9570-9581	9.5	72
55	Phase Morphologies in Reversibly Bonding Supramolecular Triblock Copolymer Blends. <i>Macromolecules</i> , <b>2007</b> , 40, 8445-8454	5.5	41
54	Supramolecular Diblock Copolymers: A Field-Theoretic Model and Mean-Field Solution. <i>Macromolecules</i> , <b>2007</b> , 40, 693-702	5.5	70
53	Stability of the Gyroid Phase in Diblock Copolymers at Strong Segregation. <i>Macromolecules</i> , <b>2006</b> , 39, 2449-2451	5.5	273
52	Hybrid particle-field simulations of polymer nanocomposites. <i>Physical Review Letters</i> , <b>2006</b> , 96, 250601	7.4	203
51	Defects and their removal in block copolymer thin film simulations. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2006</b> , 44, 2495-2511	2.6	18
50	Introducing variable cell shape methods in field theory simulations of polymers. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 6694-700	3.4	64
49	Interfacial Roughening Induced by the Reaction of End-Functionalized Polymers at a PS/P2VP Interface: Quantitative Analysis by DSIMS. <i>Macromolecules</i> , <b>2005</b> , 38, 6106-6114	5.5	49
48	Field-theoretic simulations of polymer solutions: finite-size and discretization effects. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 14904	3.9	25
47	The Equilibrium Theory of Inhomogeneous Polymers <b>2005</b> ,		165
46	Continuous polydispersity in a self-consistent field theory for diblock copolymers. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 4974-86	3.9	127

45	Composite mesostructures by nano-confinement. <i>Nature Materials</i> , <b>2004</b> , 3, 816-22	27	599
44	Numerical Solution of Polymer Self-Consistent Field Theory. <i>Multiscale Modeling and Simulation</i> , <b>2004</b> , 2, 452-474	1.8	131
43	Fluctuation Effects in Ternary AB + A + B Polymeric Emulsions. <i>Macromolecules</i> , <b>2003</b> , 36, 9237-9248	5.5	112
42	Theory of Polydisperse Inhomogeneous Polymers. <i>Macromolecules</i> , <b>2003</b> , 36, 5415-5423	5.5	45
41	Field-theoretic simulations of confined polymer solutions. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 9030-9036	3.9	49
40	Dynamics and rheology of inhomogeneous polymeric fluids: A complex Langevin approach. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 6810-6820	3.9	58
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