

Christos N Likos

List of Publications by Year in descending order

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255
papers

11,202
citations

30070

54
h-index

40979

93
g-index

264
all docs

264
docs citations

264
times ranked

4770
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective interactions in soft condensed matter physics. <i>Physics Reports</i> , 2001, 348, 267-439.	25.6	1,011
2	Star Polymers Viewed as Ultrasoft Colloidal Particles. <i>Physical Review Letters</i> , 1998, 80, 4450-4453.	7.8	465
3	Patchy colloids: state of the art and perspectives. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6397.	2.8	409
4	Dendrimers in Solution: Insight from Theory and Simulation. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2998-3020.	13.8	343
5	Soft matter with soft particles. <i>Soft Matter</i> , 2006, 2, 478.	2.7	285
6	Phase Diagram of Star Polymer Solutions. <i>Physical Review Letters</i> , 1999, 82, 5289-5292.	7.8	280
7	Criterion for determining clustering versus reentrant melting behavior for bounded interaction potentials. <i>Physical Review E</i> , 2001, 63, 031206.	2.1	250
8	Fluid and solid phases of the Gaussian core model. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 5087-5108.	1.8	228
9	Formation of Polymorphic Cluster Phases for a Class of Models of Purely Repulsive Soft Spheres. <i>Physical Review Letters</i> , 2006, 96, 045701.	7.8	214
10	Why do ultrasoft repulsive particles cluster and crystallize? Analytical results from density-functional theory. <i>Journal of Chemical Physics</i> , 2007, 126, 224502.	3.0	163
11	Phase Behavior of Ionic Microgels. <i>Physical Review Letters</i> , 2004, 92, 068301.	7.8	123
12	Gaussian effective interaction between flexible dendrimers of fourth generation: A theoretical and experimental study. <i>Journal of Chemical Physics</i> , 2002, 117, 1869-1877.	3.0	118
13	Asymmetric caging in soft colloidal mixtures. <i>Nature Materials</i> , 2008, 7, 780-784.	27.5	116
14	Counterion-induced entropic interactions in solutions of strongly stretched, osmotic polyelectrolyte stars. <i>Journal of Chemical Physics</i> , 2002, 116, 11011-11027.	3.0	115
15	Structural Arrest in Dense Star-Polymer Solutions. <i>Physical Review Letters</i> , 2003, 90, 238301.	7.8	107
16	Conformations and Interactions of Star-Branched Polyelectrolytes. <i>Physical Review Letters</i> , 2001, 88, 018301.	7.8	103
17	Soft Interaction between Dissolved Flexible Dendrimers: Theory and Experiment. <i>Macromolecules</i> , 2001, 34, 2914-2920.	4.8	102
18	Depletion Forces in Nonequilibrium. <i>Physical Review Letters</i> , 2003, 91, 248301.	7.8	101

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19	Counterion distributions and effective interactions of spherical polyelectrolyte brushes. <i>Colloid and Polymer Science</i> , 2004, 282, 910-917.	2.1	97
20	Partial Clustering in Binary Two-Dimensional Colloidal Suspensions. <i>Physical Review Letters</i> , 2006, 97, 078301.	7.8	91
21	Freezing and clustering transitions for penetrable spheres. <i>Physical Review E</i> , 1998, 58, 3135-3144.	2.1	90
22	Polymer-Mediated Melting in Ultrasoft Colloidal Gels. <i>Physical Review Letters</i> , 2002, 89, 208302.	7.8	88
23	Confined Diffusion in Periodic Porous Nanostructures. <i>ACS Nano</i> , 2011, 5, 4607-4616.	14.6	88
24	Complex alloy phases for binary hard-disc mixtures. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1993, 68, 85-113.	0.6	86
25	End-functionalized polymers: Versatile building blocks for soft materials. <i>Polymer</i> , 2008, 49, 1425-1434.	3.8	86
26	Computer Assembly of Cluster-Forming Amphiphilic Dendrimers. <i>Physical Review Letters</i> , 2008, 100, 028301.	7.8	86
27	Colloidal Stabilization by Adsorbed Gelatin. <i>Langmuir</i> , 2000, 16, 4100-4108.	3.5	77
28	Effective interactions between star polymers and colloidal particles. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 6177-6194.	1.8	77
29	Conformations of Flexible Dendrimers: A Simulation Study. <i>Macromolecules</i> , 2003, 36, 8189-8197.	4.8	75
30	Can dendrimers be viewed as compact colloids? A simulation study of the fluctuations in a dendrimer of fourth generation. <i>Journal of Chemical Physics</i> , 2003, 118, 1979-1988.	3.0	75
31	Predicting equilibrium structures in freezing processes. <i>Journal of Chemical Physics</i> , 2005, 122, 204503.	3.0	75
32	Tunable effective interactions between dendritic macromolecules. <i>Journal of Chemical Physics</i> , 2004, 120, 7761-7771.	3.0	74
33	Genetic algorithms predict formation of exotic ordered configurations for two-component dipolar monolayers. <i>Soft Matter</i> , 2008, 4, 480.	2.7	73
34	Colloidal Crystal Growth at Externally Imposed Nucleation Clusters. <i>Physical Review Letters</i> , 2008, 100, 108302.	7.8	72
35	Ionic microgels as model systems for colloids with an ultrasoft electrosteric repulsion: Structure and thermodynamics. <i>Journal of Chemical Physics</i> , 2005, 122, 074903.	3.0	70
36	Tailoring the Flow of Soft Glasses by Soft Additives. <i>Physical Review Letters</i> , 2005, 95, 268301.	7.8	68

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37	The anomalous structure factor of dense star polymer solutions. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 8189-8205.	1.8	65
38	Depletion and cluster formation in soft colloid - polymer mixtures. <i>Europhysics Letters</i> , 2005, 72, 664-670.	2.0	64
39	Diffusion and Relaxation Dynamics in Cluster Crystals. <i>Physical Review Letters</i> , 2007, 99, 107801.	7.8	63
40	Telechelic Star Polymers as Self-Assembling Units from the Molecular to the Macroscopic Scale. <i>Physical Review Letters</i> , 2012, 109, 238301.	7.8	63
41	Statistical morphology of random interfaces in microemulsions. <i>Journal of Chemical Physics</i> , 1995, 102, 9350-9361.	3.0	62
42	Active topological glass. <i>Nature Communications</i> , 2020, 11, 26.	12.8	62
43	Multiple occupancy crystals formed by purely repulsive soft particles. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 494245.	1.8	61
44	Inverse patchy colloids: from microscopic description to mesoscopic coarse-graining. <i>Soft Matter</i> , 2011, 7, 8313.	2.7	61
45	Fluids of semiflexible ring polymers: effective potentials and clustering. <i>Soft Matter</i> , 2013, 9, 1287-1300.	2.7	61
46	Exotic fluids and crystals of soft polymeric colloids. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 7681-7698.	1.8	60
47	Structure and thermodynamics of square-well and square-shoulder fluids. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 10143-10161.	1.8	57
48	Phase Behavior of Columnar DNA Assemblies. <i>Physical Review Letters</i> , 2002, 89, 018303.	7.8	57
49	Charge-Induced Conformational Changes of Dendrimers. <i>Macromolecules</i> , 2008, 41, 4452-4458.	4.8	57
50	Effects of Knots on Ring Polymers in Solvents of Varying Quality. <i>Macromolecules</i> , 2013, 46, 3654-3668.	4.8	57
51	Is There a Reentrant Glass in Binary Mixtures?. <i>Physical Review Letters</i> , 2004, 92, 225703.	7.8	55
52	Star Polymers in Solvents of Varying Quality. <i>Macromolecules</i> , 2009, 42, 2806-2816.	4.8	55
53	Influence of topology on effective potentials: coarse-graining ring polymers. <i>Soft Matter</i> , 2010, 6, 2435.	2.7	55
54	Influence of Rigidity and Knot Complexity on the Knotting of Confined Polymers. <i>Macromolecules</i> , 2014, 47, 3394-3400.	4.8	55

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55	Tunable Assembly of Heterogeneously Charged Colloids. <i>Nano Letters</i> , 2014, 14, 3412-3418.	9.1	55
56	Density-functional theory of solid-to-solid isostructural transitions. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 10965-10975.	1.8	54
57	Ordering phenomena of star polymer solutions approaching the $\hat{\Gamma}$ state. <i>Physical Review E</i> , 1998, 58, 6299-6307.	2.1	53
58	Equilibrium properties of charged microgels: A Poisson-Boltzmann-Flory approach. <i>Journal of Chemical Physics</i> , 2014, 141, 234902.	3.0	52
59	Phase behavior and structure of star-polymer-colloid mixtures. <i>Journal of Chemical Physics</i> , 2002, 116, 9518-9530.	3.0	51
60	Mean-field dynamical density functional theory. <i>Journal of Physics Condensed Matter</i> , 2003, 15, L147-L154.	1.8	51
61	Clustering in the Absence of Attractions: Density Functional Theory and Computer Simulations. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12799-12808.	2.6	51
62	Microscopically Resolved Simulations Prove the Existence of Soft Cluster Crystals. <i>Physical Review Letters</i> , 2012, 109, 228301.	7.8	51
63	Self-Assembly of Heterogeneously Charged Particles under Confinement. <i>ACS Nano</i> , 2013, 7, 4657-4667.	14.6	50
64	Pattern Formation and Coarse-Graining in Two-Dimensional Colloids Driven by Multiaxial Magnetic Fields. <i>Langmuir</i> , 2014, 30, 5088-5096.	3.5	50
65	Triplet interactions in star polymer solutions. <i>European Physical Journal E</i> , 2000, 2, 311.	1.6	48
66	Crystal structures of two-dimensional magnetic colloids in tilted external magnetic fields. <i>Physical Review E</i> , 2003, 68, 061406.	2.1	46
67	Multiple Glass Transitions in Star Polymer Mixtures: Insights from Theory and Simulations. <i>Macromolecules</i> , 2009, 42, 423-434.	4.8	46
68	Colloquium: Star-branched polyelectrolytes: The physics of their conformations and interactions. <i>Reviews of Modern Physics</i> , 2009, 81, 1753-1772.	45.6	46
69	Flow-induced polymer translocation through narrow and patterned channels. <i>Journal of Chemical Physics</i> , 2010, 133, 074901.	3.0	46
70	Dynamic phase diagram of soft nanocolloids. <i>Nanoscale</i> , 2015, 7, 13924-13934.	5.6	46
71	Inverse patchy colloids: Synthesis, modeling and self-organization. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 30, 8-15.	7.4	46
72	Cluster Glasses of Semiflexible Ring Polymers. <i>ACS Macro Letters</i> , 2014, 3, 611-616.	4.8	45

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73	Title is missing!. Macromolecular Chemistry and Physics, 2002, 203, 1995-2004.	2.2	44
74	Polyelectrolyte-Compression Forces between Spherical DNA Brushes. Physical Review Letters, 2008, 100, 118302.	7.8	44
75	Ultrasoft Colloid-Polymer Mixtures: Structure and Phase Diagram. Physical Review Letters, 2011, 106, 228301.	7.8	44
76	Unusual Features of Depletion Interactions in Soft Polymer-Based Colloids Mixed with Linear Homopolymers. Physical Review Letters, 2010, 104, 078301.	7.8	43
77	Coarse-Graining of Ionic Microgels: Theory and Experiment. Zeitschrift Fur Physikalische Chemie, 2012, 226, 711-735.	2.8	42
78	Self-consistent theory of freezing of the classical one-component plasma. Physical Review Letters, 1992, 69, 316-319.	7.8	40
79	Phase separation in star-polymer colloid mixtures. Physical Review E, 2001, 64, 010401.	2.1	39
80	Self-Assembly of Ionic Microgels Driven by an Alternating Electric Field: Theory, Simulations, and Experiments. ACS Nano, 2018, 12, 4321-4337.	14.6	39
81	Multi-blob coarse graining for ring polymer solutions. Soft Matter, 2014, 10, 9601-9614.	2.7	38
82	Trefoil Knot Hydrodynamic Delocalization on Sheared Ring Polymers. ACS Macro Letters, 2018, 7, 447-452.	4.8	38
83	Non-equilibrium effects of molecular motors on polymers. Soft Matter, 2019, 15, 5995-6005.	2.7	38
84	Soft-core binary fluid exhibiting a λ -line and freezing to a highly delocalized crystal. Journal of Physics Condensed Matter, 2004, 16, L297-L303.	1.8	37
85	Osmotic shrinkage in star/linear polymer mixtures. European Physical Journal E, 2010, 32, 127-134.	1.6	37
86	Polydisperse star polymer solutions. Physical Review E, 2000, 62, 6949-6956.	2.1	36
87	Charged colloids, polyelectrolytes and biomolecules viewed as strongly coupled Coulomb systems. Journal of Physics A, 2003, 36, 5827-5834.	1.6	36
88	Linear screening of the electrostatic potential around spherical particles with non-spherical charge patterns. Molecular Physics, 2004, 102, 857-867.	1.7	36
89	A Coarse-Grained Description of Star-Linear Polymer Mixtures. Macromolecules, 2007, 40, 1196-1206.	4.8	36
90	Aggregation phenomena in telechelic star polymer solutions. Physical Review E, 2009, 79, 010401.	2.1	36

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91	Branched Polymers under Shear. <i>Macromolecules</i> , 2010, 43, 1610-1620.	4.8	36
92	Effect of Bending Rigidity on the Knotting of a Polymer under Tension. <i>ACS Macro Letters</i> , 2012, 1, 1352-1356.	4.8	36
93	Azimuthal Frustration and Bundling in Columnar DNA Aggregates. <i>Biophysical Journal</i> , 2003, 84, 3607-3623.	0.5	35
94	Collapse of Telechelic Star Polymers to Watermelon Structures. <i>Physical Review Letters</i> , 2006, 96, 187802.	7.8	35
95	Validity of the Stokes-Einstein Relation in Soft Colloids up to the Glass Transition. <i>Physical Review Letters</i> , 2015, 115, 128302.	7.8	35
96	Binary star-polymer solutions: bulk and interfacial properties. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 12031-12050.	1.8	33
97	Structure and phase behavior of polyelectrolyte star solutions. <i>Journal of Chemical Physics</i> , 2004, 121, 7009-7021.	3.0	33
98	Soft-patchy nanoparticles: modeling and self-organization. <i>Faraday Discussions</i> , 2015, 181, 123-138.	3.2	33
99	Soft colloids driven and sheared by traveling wave fields. <i>Physical Review E</i> , 2005, 72, 021404.	2.1	32
100	Ordering in Two-Dimensional Dipolar Mixtures. <i>Langmuir</i> , 2009, 25, 7836-7846.	3.5	32
101	An Anisotropic Effective Model for the Simulation of Semiflexible Ring Polymers. <i>Macromolecules</i> , 2015, 48, 4983-4997.	4.8	32
102	Bottom-Up Colloidal Crystal Assembly with a Twist. <i>ACS Nano</i> , 2016, 10, 5459-5467.	14.6	32
103	Microphase structuring in two-dimensional magnetic colloid mixtures. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 10193-10211.	1.8	30
104	Monomer-Resolved Simulations of Cluster-Forming Dendrimers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7218-7226.	2.6	29
105	Soft self-assembled nanoparticles with temperature-dependent properties. <i>Nanoscale</i> , 2016, 8, 3288-3295.	5.6	29
106	From sea-urchins to starfishes: controlling the adsorption of star-branched polyelectrolytes on charged walls. <i>Soft Matter</i> , 2007, 3, 1130.	2.7	28
107	Interactions between planar stiff polyelectrolyte brushes. <i>Physical Review E</i> , 2009, 80, 010801.	2.1	28
108	Cluster crystals in confinement. <i>Soft Matter</i> , 2009, 5, 1024.	2.7	28

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109	Structures and pathways for clathrin self-assembly in the bulk and on membranes. <i>Soft Matter</i> , 2013, 9, 5794.	2.7	28
110	Anisotropic effective interactions and stack formation in mixtures of semiflexible ring polymers. <i>Soft Matter</i> , 2016, 12, 4805-4820.	2.7	28
111	Condensation and Demixing in Solutions of DNA Nanostars and Their Mixtures. <i>ACS Nano</i> , 2017, 11, 2094-2102.	14.6	28
112	Dynamics of Dense Suspensions of Star-Like Micelles with Responsive Fixed Cores. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 163-172.	2.2	27
113	Structure, phase behavior, and inhomogeneous fluid properties of binary dendrimer mixtures. <i>Journal of Chemical Physics</i> , 2006, 124, 084901.	3.0	27
114	Phase separation in star-linear polymer mixtures. <i>Journal of Chemical Physics</i> , 2009, 130, 204904.	3.0	27
115	The influence of the magnetic filler concentration on the properties of a microgel particle: Zero-field case. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 226-230.	2.3	27
116	Effects of topological constraints on linked ring polymers in solvents of varying quality. <i>Soft Matter</i> , 2020, 16, 3029-3038.	2.7	27
117	Star Polymers with Tunable Attractions: Cluster Formation, Phase Separation, Reentrant Crystallization. , 2006, , 78-87.		27
118	Density-functional theory of nonuniform classical liquids: An extended modified weighted-density approximation. <i>Journal of Chemical Physics</i> , 1993, 99, 9090-9102.	3.0	26
119	Colloidal layers in magnetic fields and under shear flow. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3379-S3386.	1.8	26
120	Density functional theory of freezing for soft interactions in two dimensions. <i>Europhysics Letters</i> , 2006, 75, 583-589.	2.0	26
121	Depletion, melting and reentrant solidification in mixtures of soft and hard colloids. <i>Soft Matter</i> , 2015, 11, 8296-8312.	2.7	26
122	Neither Gaussian chains nor hard spheres - star polymers seen as ultrasoft colloids. , 2000, , 88-92.		26
123	Soft effective interactions between weakly charged polyelectrolyte chains. <i>Journal of Chemical Physics</i> , 2004, 121, 4913-4924.	3.0	25
124	Cluster-forming systems of ultrasoft repulsive particles: statics and dynamics. <i>Computer Physics Communications</i> , 2008, 179, 71-76.	7.5	25
125	The effects of pH, salt and bond stiffness on charged dendrimers. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 232101.	1.8	25
126	Conformations of high-generation dendritic polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2010, 20, 10486.	6.7	25

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127	Coarse graining of star-polymer " colloid nanocomposites. Journal of Chemical Physics, 2012, 137, 014902.	3.0	25
128	Bulk and interfacial properties in colloid-polymer mixtures. Physical Review E, 2005, 72, 030401.	2.1	24
129	Cluster Crystals under Shear. Physical Review Letters, 2011, 107, 068302.	7.8	24
130	Flow quantization and nonequilibrium nucleation of soft crystals. Soft Matter, 2012, 8, 4121.	2.7	24
131	Computer Simulation of Thermally Sensitive Telechelic Star Polymers. Journal of Physical Chemistry C, 2007, 111, 15803-15810.	3.1	23
132	Influence of Fluctuating Membranes on Self-Assembly of Patchy Colloids. Physical Review Letters, 2012, 109, 178302.	7.8	23
133	Elasticity of polymeric nanocolloidal particles. Scientific Reports, 2015, 5, 15854.	3.3	23
134	Hydrodynamic inflation of ring polymers under shear. Communications Materials, 2020, 1, .	6.9	23
135	Computer simulations of polyelectrolyte stars and brushes. Journal of Physics Condensed Matter, 2008, 20, 494221.	1.8	22
136	Crystallization of magnetic dipolar monolayers: a density functional approach. Journal of Physics Condensed Matter, 2008, 20, 404217.	1.8	22
137	Glassy States in Asymmetric Mixtures of Soft and Hard Colloids. Physical Review Letters, 2013, 111, 208301.	7.8	22
138	Nonperturbative density functional theory of solid-to-solid isostructural transitions. Journal of Physics Condensed Matter, 1995, 7, 6797-6808.	1.8	21
139	Microscopic and coarse-grained correlation functions of concentrated dendrimer solutions. Journal of Physics Condensed Matter, 2005, 17, S1777-S1797.	1.8	21
140	Anisotropic mean-square displacements in two-dimensional colloidal crystals of tilted dipoles. Physical Review E, 2005, 71, 031404.	2.1	21
141	Adsorption characteristics of amphiphilic dendrimers. Soft Matter, 2009, 5, 2905.	2.7	21
142	Computer simulations of colloidal particles under flow in microfluidic channels. Soft Matter, 2013, 9, 2603.	2.7	21
143	Customizing wormlike mesoscale structures via self-assembly of amphiphilic star polymers. Soft Matter, 2015, 11, 3530-3535.	2.7	21
144	Ring polymers are much stronger depleting agents than linear ones. Molecular Physics, 2018, 116, 2911-2926.	1.7	21

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145	Interactions between planar polyelectrolyte brushes: effects of stiffness and salt. <i>Soft Matter</i> , 2010, 6, 163-171.	2.7	20
146	Phonon dispersions of cluster crystals. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 234112.	1.8	20
147	Hierarchical self-assembly of telechelic star polymers: from soft patchy particles to gels and diamond crystals. <i>New Journal of Physics</i> , 2013, 15, 095002.	2.9	20
148	Topology-Sensitive Microfluidic Filter for Polymers of Varying Stiffness. <i>ACS Macro Letters</i> , 2017, 6, 1426-1431.	4.8	20
149	Ultrasoft colloids in cavities of oscillating size or sharpness. <i>Molecular Physics</i> , 2006, 104, 527-540.	1.7	19
150	Crystal Structures of Two-Dimensional Binary Mixtures of Dipolar Colloids in Tilted External Magnetic Fields. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12316-12325.	2.6	19
151	Effective interactions between charged dendrimers. <i>Soft Matter</i> , 2011, 7, 8419.	2.7	19
152	Explicit vs Implicit Water Simulations of Charged Dendrimers. <i>Macromolecules</i> , 2012, 45, 2562-2569.	4.8	19
153	Architecture-Induced Size Asymmetry and Effective Interactions of Ring Polymers: Simulation and Theory. <i>Macromolecules</i> , 2013, 46, 9437-9445.	4.8	19
154	Emergence of active topological glass through directed chain dynamics and nonequilibrium phase segregation. <i>Physical Review Research</i> , 2020, 2, .	3.6	19
155	Self assembling cluster crystals from DNA based dendritic nanostructures. <i>Nature Communications</i> , 2021, 12, 7167.	12.8	19
156	Density-functional theory of freezing of quantum liquids at zero temperature using exact liquid-state linear response. <i>Physical Review B</i> , 1997, 55, 8867-8880.	3.2	18
157	Polyelectrolyte stars in planar confinement. <i>Journal of Chemical Physics</i> , 2006, 124, 214904.	3.0	18
158	Rheological transitions in asymmetric colloidal star mixtures. <i>Rheologica Acta</i> , 2007, 46, 611-619.	2.4	18
159	Hierarchical self-organization of soft patchy nanoparticles into morphologically diverse aggregates. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 30, 1-7.	7.4	18
160	Phase behaviour in binary mixtures of ultrasoft repulsive particles. <i>Europhysics Letters</i> , 2009, 85, 26003.	2.0	17
161	Dynamics of Self-assembly of Model Viral Capsids in the Presence of a Fluctuating Membrane. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8283-8292.	2.6	17
162	Concentration-induced planar-to-homeotropic anchoring transition of stiff ring polymers on hard walls. <i>Soft Matter</i> , 2016, 12, 7983-7994.	2.7	17

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163	Clustering of soft colloids due to polymer additives. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3363-S3369.	1.8	16
164	Cluster formation in star-linear polymer mixtures: equilibrium and dynamical properties. <i>Soft Matter</i> , 2012, 8, 4177.	2.7	16
165	Spatial Demixing of Ring and Chain Polymers in Pressure-Driven Flow. <i>Macromolecules</i> , 2019, 52, 7858-7869.	4.8	16
166	Phase transitions in colloidal suspensions and star polymer solutions. <i>Journal of Physics Condensed Matter</i> , 2000, 12, A465-A469.	1.8	15
167	Equilibrium properties of highly asymmetric star-polymer mixtures. <i>Physical Review E</i> , 2004, 70, 041402.	2.1	15
168	Going to ground. <i>Nature</i> , 2006, 440, 433-434.	27.8	15
169	Colloid-dendrimer complexation. <i>Soft Matter</i> , 2009, 5, 4542.	2.7	15
170	Structure and dynamics of star polymers. , 1998, , 25-28.		14
171	Long-time self-diffusion for Brownian Gaussian-core particles. <i>Computer Physics Communications</i> , 2008, 179, 77-81.	7.5	14
172	Clustering in nondemixing mixtures of repulsive particles. <i>Journal of Chemical Physics</i> , 2009, 131, 034902.	3.0	14
173	Ordered equilibrium structures in soft matter systems between two and three dimensions. <i>Soft Matter</i> , 2009, 5, 2852.	2.7	14
174	Phase behavior of low-functionality, telechelic star block copolymers. <i>Faraday Discussions</i> , 2010, 144, 143-157.	3.2	14
175	Controlling the Interactions between Soft Colloids via Surface Adsorption. <i>Macromolecules</i> , 2013, 46, 3648-3653.	4.8	14
176	Self-Organization and Flow of Low-Functionality Telechelic Star Polymers with Varying Attraction. <i>ACS Macro Letters</i> , 2019, 8, 766-772.	4.8	14
177	Scaling and Interactions of Linear and Ring Polymer Brushes via DPD Simulations. <i>Polymers</i> , 2019, 11, 541.	4.5	14
178	Solid to solid isostructural transitions: The case of attractive Yukawa potentials. <i>Journal of Physics Condensed Matter</i> , 1995, 7, L537-L543.	1.8	13
179	Star-polymers as depleting agents of colloidal hard spheres. <i>Europhysics Letters</i> , 2002, 58, 133-139.	2.0	13
180	Self-assembly scenarios of block copolymer stars. <i>Molecular Physics</i> , 2011, 109, 3049-3060.	1.7	13

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181	Structure and stimuli-responsiveness of all-DNA dendrimers: theory and experiment. <i>Nanoscale</i> , 2019, 11, 1604-1617.	5.6	12
182	Hydrodynamics and Filtering of Knotted Ring Polymers in Nanochannels. <i>Macromolecules</i> , 2019, 52, 4111-4119.	4.8	12
183	Multiscale Approaches for Confined Ring Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4910-4923.	2.6	12
184	Interactions and phase behaviour of polyelectrolyte star solutions. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S233-S238.	1.8	11
185	Correlations of two-dimensional super-paramagnetic colloids in tilted external magnetic fields. <i>Molecular Physics</i> , 2007, 105, 1849-1860.	1.7	11
186	Tailoring the phonon band structure in binary colloidal mixtures. <i>Physical Review E</i> , 2010, 81, 060401.	2.1	11
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