Christos N Likos

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8880604/publications.pdf

Version: 2024-02-01

255 papers	11,202 citations	29994 54 h-index	40881 93 g-index
264 all docs	264 docs citations	264 times ranked	4770 citing authors

#	Article	IF	Citations
1	Active Topological Glass Confined within a Spherical Cavity. Macromolecules, 2022, 55, 956-964.	2.2	8
2	Blunt-End Driven Re-entrant Ordering in Quasi Two-Dimensional Dispersions of Spherical DNA Brushes. ACS Nano, 2022, 16, 2133-2146.	7.3	4
3	Validity of Effective Potentials in Crowded Solutions of Linear and Ring Polymers with Reversible Bonds. Macromolecules, 2022, 55, 2659-2674.	2.2	3
4	Glass quantization of the Gaussian core model. Physical Review E, 2022, 105, 024607.	0.8	2
5	The influence of arm composition on the self-assembly of low-functionality telechelic star polymers in dilute solutions. Colloid and Polymer Science, 2021, 299, 497-507.	1.0	4
6	Topological and threading effects in polydisperse ring polymer solutions. Molecular Physics, 2021, 119, .	0.8	6
7	Multiscale Approaches for Confined Ring Polymer Solutions. Journal of Physical Chemistry B, 2021, 125, 4910-4923.	1.2	12
8	Effect of softness on glass melting and re-entrant solidification in mixtures of soft and hard colloids. Journal of Chemical Physics, 2021, 155, 034901.	1.2	6
9	Grafting density induced reentrant disorderâ€“orderâ€“disorder transition in planar di-block copolymer brushes. Soft Matter, 2021, 17, 4719-4729.	1.2	1
10	Self assembling cluster crystals from DNA based dendritic nanostructures. Nature Communications, 2021, 12, 7167.	5.8	19
11	Shape control of soft patchy nanoparticles under confinement. Nanoscale, 2020, 12, 21188-21197.	2.8	4
12	Dynamical Properties of Concentrated Suspensions of Block Copolymer Stars in Shear Flow. Macromolecules, 2020, 53, 10015-10027.	2.2	7
13	Cluster prevalence in concentrated ring-chain mixtures under shear. Soft Matter, 2020, 16, 8710-8719.	1.2	3
14	Aggregation shapes of amphiphilic ring polymers: from spherical to toroidal micelles. Colloid and Polymer Science, 2020, 298, 735-745.	1.0	8
15	Effects of topological constraints on linked ring polymers in solvents of varying quality. Soft Matter, 2020, 16, 3029-3038.	1.2	27
16	Hydrodynamic inflation of ring polymers under shear. Communications Materials, 2020, 1, .	2.9	23
17	Active topological glass. Nature Communications, 2020, 11, 26.	5.8	62
18	Shear-Induced Stack Orientation and Breakup in Cluster Glasses of Ring Polymers. ACS Applied Polymer Materials, 2020, 2, 3505-3517.	2.0	9

#	Article	IF	Citations
19	Emergence of active topological glass through directed chain dynamics and nonequilibrium phase segregation. Physical Review Research, 2020, 2, .	1.3	19
20	Multi-particle collision dynamics for a coarse-grained model of soft colloids. Journal of Chemical Physics, 2019, 151, 074902.	1.2	5
21	Non-equilibrium effects of molecular motors on polymers. Soft Matter, 2019, 15, 5995-6005.	1.2	38
22	Spatial Demixing of Ring and Chain Polymers in Pressure-Driven Flow. Macromolecules, 2019, 52, 7858-7869.	2.2	16
23	Structure and stimuli-responsiveness of all-DNA dendrimers: theory and experiment. Nanoscale, 2019, 11, 1604-1617.	2.8	12
24	Studying synthesis confinement effects on the internal structure of nanogels in computer simulations. Journal of Molecular Liquids, 2019, 289, 111066.	2.3	10
25	Self-Organization and Flow of Low-Functionality Telechelic Star Polymers with Varying Attraction. ACS Macro Letters, 2019, 8, 766-772.	2.3	14
26	Hydrodynamics and Filtering of Knotted Ring Polymers in Nanochannels. Macromolecules, 2019, 52, 4111-4119.	2.2	12
27	Scaling and Interactions of Linear and Ring Polymer Brushes via DPD Simulations. Polymers, 2019, 11, 541.	2.0	14
28	Controlled self-aggregation of polymer-based nanoparticles employing shear flow and magnetic fields. Journal of Physics Condensed Matter, 2019, 31, 24LT02.	0.7	7
29	Self-organization of gel networks formed by block copolymer stars. Soft Matter, 2019, 15, 3527-3540.	1.2	9
30	Structure formation in soft nanocolloids: liquid-drop model. Soft Matter, 2018, 14, 3063-3072.	1.2	9
31	Self-Assembly of Ionic Microgels Driven by an Alternating Electric Field: Theory, Simulations, and Experiments. ACS Nano, 2018, 12, 4321-4337.	7.3	39
32	Self-assembly of magnetically functionalized star-polymer nano-colloids. European Physical Journal E, 2018, 41, 3.	0.7	1
33	Trefoil Knot Hydrodynamic Delocalization on Sheared Ring Polymers. ACS Macro Letters, 2018, 7, 447-452.	2.3	38
34	Star Block-Copolymers in Shear Flow. Journal of Physical Chemistry B, 2018, 122, 4149-4158.	1.2	11
35	The influence of the magnetic filler concentration on the properties of a microgel particle: Zero-field case. Journal of Magnetism and Magnetic Materials, 2018, 459, 226-230.	1.0	27
36	Ring polymers are much stronger depleting agents than linear ones. Molecular Physics, 2018, 116, 2911-2926.	0.8	21

#	Article	IF	Citations
37	Rotation Dynamics of Star Block Copolymers under Shear Flow. Polymers, 2018, 10, 860.	2.0	4
38	Quenching of fully symmetric mixtures of oppositely charged microgels: the role of soft stiffness. Soft Matter, 2018, 14, 5106-5120.	1.2	5
39	Electrostatics and Soft Matter: a Themed Collection in memory of Per Linse. Soft Matter, 2018, 14, 4019-4019.	1.2	0
40	Condensation and Demixing in Solutions of DNA Nanostars and Their Mixtures. ACS Nano, 2017, 11, 2094-2102.	7.3	28
41	Hierarchical self-organization of soft patchy nanoparticles into morphologically diverse aggregates. Current Opinion in Colloid and Interface Science, 2017, 30, 1-7.	3.4	18
42	Inverse patchy colloids: Synthesis, modeling and self-organization. Current Opinion in Colloid and Interface Science, 2017, 30, 8-15.	3.4	46
43	Topology-Sensitive Microfluidic Filter for Polymers of Varying Stiffness. ACS Macro Letters, 2017, 6, 1426-1431.	2.3	20
44	Thermodynamic stability and structural properties of cluster crystals formed by amphiphilic dendrimers. Journal of Chemical Physics, 2016, 144, 204901.	1.2	8
45	Multiblob coarse-graining for mixtures of long polymers and soft colloids. Journal of Chemical Physics, 2016, 145, 174901.	1.2	11
46	Bottom-Up Colloidal Crystal Assembly with a Twist. ACS Nano, 2016, 10, 5459-5467.	7.3	32
47	Anisotropic effective interactions and stack formation in mixtures of semiflexible ring polymers. Soft Matter, 2016, 12, 4805-4820.	1.2	28
48	Concentration-induced planar-to-homeotropic anchoring transition of stiff ring polymers on hard walls. Soft Matter, 2016, 12, 7983-7994.	1.2	17
49	Soft self-assembled nanoparticles with temperature-dependent properties. Nanoscale, 2016, 8, 3288-3295.	2.8	29
50	Void-Based Assembly of Colloidal Crystals: Using Structure-Directing Agents to Direct the Assembly of Open Colloidal Crystals. GIT Laboratory Journal Europe, 2016, 5, 1-5.	0.0	0
51	Elasticity of polymeric nanocolloidal particles. Scientific Reports, 2015, 5, 15854.	1.6	23
52	Validity of the Stokes-Einstein Relation in Soft Colloids up to the Glass Transition. Physical Review Letters, 2015, 115, 128302.	2.9	35
53	Patchy particles. Journal of Physics Condensed Matter, 2015, 27, 230301.	0.7	5
54	Soft-patchy nanoparticles: modeling and self-organization. Faraday Discussions, 2015, 181, 123-138.	1.6	33

#	Article	IF	Citations
55	Dynamic phase diagram of soft nanocolloids. Nanoscale, 2015, 7, 13924-13934.	2.8	46
56	An Anisotropic Effective Model for the Simulation of Semiflexible Ring Polymers. Macromolecules, 2015, 48, 4983-4997.	2.2	32
57	Customizing wormlike mesoscale structures via self-assembly of amphiphilic star polymers. Soft Matter, 2015, 11, 3530-3535.	1.2	21
58	Coarse-graining and phase behavior of model star polymerâ€“colloid mixtures in solvents of varying quality. Journal of Chemical Physics, 2015, 143, 243108.	1.2	7
59	Effective interactions of DNA-stars. Molecular Physics, 2015, 113, 2699-2706.	0.8	0
60	Effective interactions in polydisperse systems of penetrable macroions. Molecular Physics, 2015, 113, 2496-2510.	0.8	11
61	Depletion, melting and reentrant solidification in mixtures of soft and hard colloids. Soft Matter, 2015, 11, 8296-8312.	1.2	26
62	Effective Interactions between Multilayered Ionic Microgels. Materials, 2014, 7, 7689-7705.	1.3	10
63	Equilibrium properties of charged microgels: A Poisson-Boltzmann-Flory approach. Journal of Chemical Physics, 2014, 141, 234902.	1.2	52
64	Influence of Rigidity and Knot Complexity on the Knotting of Confined Polymers. Macromolecules, 2014, 47, 3394-3400.	2.2	55
65	Multi-blob coarse graining for ring polymer solutions. Soft Matter, 2014, 10, 9601-9614.	1.2	38
66	Cluster Glasses of Semiflexible Ring Polymers. ACS Macro Letters, 2014, 3, 611-616.	2.3	45
67	Discussion on a Percolating Conducting Network of a Composite Thin-Film Electrode (â‰1 Î¼m) for Micro-Solid Oxide Fuel Cell Application. Langmuir, 2014, 30, 8889-8897.	1.6	3
68	Tunable Assembly of Heterogeneously Charged Colloids. Nano Letters, 2014, 14, 3412-3418.	4.5	55
69	Pattern Formation and Coarse-Graining in Two-Dimensional Colloids Driven by Multiaxial Magnetic Fields. Langmuir, 2014, 30, 5088-5096.	1.6	50
70	Self-Assembly of Heterogeneously Charged Particles under Confinement. ACS Nano, 2013, 7, 4657-4667.	7.3	50
71	Architecture-Induced Size Asymmetry and Effective Interactions of Ring Polymers: Simulation and Theory. Macromolecules, 2013, 46, 9437-9445.	2.2	19
72	Fluids of semiflexible ring polymers: effective potentials and clustering. Soft Matter, 2013, 9, 1287-1300.	1.2	61

#	Article	IF	Citations
73	Phase behavior of rigid, amphiphilic star polymers. Soft Matter, 2013, 9, 7424.	1.2	11
74	Effects of Knots on Ring Polymers in Solvents of Varying Quality. Macromolecules, 2013, 46, 3654-3668.	2.2	57
75	Structures and pathways for clathrin self-assembly in the bulk and on membranes. Soft Matter, 2013, 9, 5794.	1.2	28
76	Controlling the Interactions between Soft Colloids via Surface Adsorption. Macromolecules, 2013, 46, 3648-3653.	2.2	14
77	Dynamics of Self-assembly of Model Viral Capsids in the Presence of a Fluctuating Membrane. Journal of Physical Chemistry B, 2013, 117, 8283-8292.	1.2	17
78	Computer simulations of colloidal particles under flow in microfluidic channels. Soft Matter, 2013, 9, 2603.	1.2	21
79	Hierarchical self-assembly of telechelic star polymers: from soft patchy particles to gels and diamond crystals. New Journal of Physics, 2013, 15, 095002.	1.2	20
80	Effective interactions of knotted ring polymers. Biochemical Society Transactions, 2013, 41, 630-634.	1.6	11
81	Publisherâ€™s Note: Telechelic Star Polymers as Self-Assembling Units from the Molecular to the Macroscopic Scale [Phys. Rev. Lett.109, 238301 (2012)]. Physical Review Letters, 2013, 110, .	2.9	0
82	Glassy States in Asymmetric Mixtures of Soft and Hard Colloids. Physical Review Letters, 2013, 111, 208301.	2.9	22
83	Coarse-Graining of Ionic Microgels: Theory and Experiment. Zeitschrift Fur Physikalische Chemie, 2012, 226, 711-735.	1.4	42
84	The Eighth Liquid Matter Conference. Journal of Physics Condensed Matter, 2012, 24, 280301.	0.7	0
85	Microscopically Resolved Simulations Prove the Existence of Soft Cluster Crystals. Physical Review Letters, 2012, 109, 228301.	2.9	51
86	Complexation and overcharging of polyelectrolyte stars and charged colloids. Journal of Physics Condensed Matter, 2012, 24, 322101.	0.7	5
87	Complexation of charged colloids with polyelectrolyte stars. Zeitschrift Fur Physikalische Chemie, 2012, 226, 585-596.	1.4	4
88	The Eighth Liquid Matter Conference. Journal of Physics Condensed Matter, 2012, 24, 280401.	0.7	1
89	Flow quantization and nonequilibrium nucleation of soft crystals. Soft Matter, 2012, 8, 4121.	1.2	24
90	Influence of Fluctuating Membranes on Self-Assembly of Patchy Colloids. Physical Review Letters, 2012, 109, 178302.	2.9	23

#	Article	IF	Citations
91	Cluster formation in star-linear polymer mixtures: equilibrium and dynamical properties. Soft Matter, 2012, 8, 4177.	1.2	16
92	Structural properties of dendrimerâ€“colloid mixtures. Journal of Physics Condensed Matter, 2012, 24, 284119.	0.7	2
93	Telechelic Star Polymers as Self-Assembling Units from the Molecular to the Macroscopic Scale. Physical Review Letters, 2012, 109, 238301.	2.9	63
94	Effect of Bending Rigidity on the Knotting of a Polymer under Tension. ACS Macro Letters, 2012, 1, 1352-1356.	2.3	36
95	Explicit vs Implicit Water Simulations of Charged Dendrimers. Macromolecules, 2012, 45, 2562-2569.	2.2	19
96	Coarse graining of star-polymer â€“ colloid nanocomposites. Journal of Chemical Physics, 2012, 137, 014902.	1.2	25
97	Phonon dispersions of cluster crystals. Journal of Physics Condensed Matter, 2011, 23, 234112.	0.7	20
98	Ultrasoft Colloid-Polymer Mixtures: Structure and Phase Diagram. Physical Review Letters, 2011, 106, 228301.	2.9	44
99	Effective interactions between charged dendrimers. Soft Matter, 2011, 7, 8419.	1.2	19
100	Cluster Crystals under Shear. Physical Review Letters, 2011, 107, 068302.	2.9	24
101	Monomer-Resolved Simulations of Cluster-Forming Dendrimers. Journal of Physical Chemistry B, 2011, 115, 7218-7226.	1.2	29
102	Confined Diffusion in Periodic Porous Nanostructures. ACS Nano, 2011, 5, 4607-4616.	7.3	88
103	Patchy colloids: state of the art and perspectives. Physical Chemistry Chemical Physics, 2011, 13, 6397.	1.3	409
104	Inverse patchy colloids: from microscopic description to mesoscopic coarse-graining. Soft Matter, 2011, 7, 8313.	1.2	61
105	Robert Evans FRS. Molecular Physics, 2011, 109, 997-998.	0.8	0
106	Self-assembly scenarios of block copolymer stars. Molecular Physics, 2011, 109, 3049-3060.	0.8	13
107	Interfacial and wetting behaviour of phase-separating ultrasoft mixtures. Molecular Physics, 2011, 109, 1121-1132.	0.8	9
108	The effects of pH, salt and bond stiffness on charged dendrimers. Journal of Physics Condensed Matter, 2010, 22, 232101.	0.7	25

#	Article	IF	Citations
109	Osmotic shrinkage in star/linear polymer mixtures. European Physical Journal E, 2010, 32, 127-134.	0.7	37
110	Tailoring the phonon band structure in binary colloidal mixtures. Physical Review E, 2010, 81, 060401.	0.8	11
111	Flow-induced polymer translocation through narrow and patterned channels. Journal of Chemical Physics, 2010, 133, 074901.	1.2	46
112	Dynamics in binary cluster crystals. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P10015.	0.9	8
113	Unusual Features of Depletion Interactions in Soft Polymer-Based Colloids Mixed with Linear Homopolymers. Physical Review Letters, 2010, 104, 078301.	2.9	43
114	Self-assembled structures of Gaussian nematic particles. Journal of Physics Condensed Matter, 2010, 22, 104107.	0.7	7
115	Branched Polymers under Shear. Macromolecules, 2010, 43, 1610-1620.	2.2	36
116	Phase behavior of low-functionality, telechelic star block copolymers. Faraday Discussions, 2010, 144, 143-157.	1.6	14
117	Conformations of high-generation dendritic polyelectrolytes. Journal of Materials Chemistry, 2010, 20, 10486.	6.7	25
118	Interactions between planar polyelectrolyte brushes: effects of stiffness and salt. Soft Matter, 2010, 6, 163-171.	1.2	20
119	Influence of topology on effective potentials: coarse-graining ring polymers. Soft Matter, 2010, 6, 2435.	1.2	55
120	Interactions between planar stiff polyelectrolyte brushes. Physical Review E, 2009, 80, 010801.	0.8	28
121	Clustering in nondemixing mixtures of repulsive particles. Journal of Chemical Physics, 2009, 131, 034902.	1.2	14
122	Aggregation phenomena in telechelic star polymer solutions. Physical Review E, 2009, 79, 010401.	0.8	36
123	Phase behaviour in binary mixtures of ultrasoft repulsive particles. Europhysics Letters, 2009, 85, 26003.	0.7	17
124	Ordering in Two-Dimensional Dipolar Mixtures. Langmuir, 2009, 25, 7836-7846.	1.6	32
125	Star Polymers in Solvents of Varying Quality. Macromolecules, 2009, 42, 2806-2816.	2.2	55
126	Multiple Glass Transitions in Star Polymer Mixtures: Insights from Theory and Simulations. Macromolecules, 2009, 42, 423-434.	2.2	46

#	Article	IF	Citations
127	Crystal Structures of Two-Dimensional Binary Mixtures of Dipolar Colloids in Tilted External Magnetic Fields. Journal of Physical Chemistry B, 2009, 113, 12316-12325.	1.2	19
128	Ground states of ultrasoft particles with attractions: a genetic algorithm approach. Molecular Physics, 2009, 107, 523-534.	0.8	8
129	Colloidâ€“dendrimer complexation. Soft Matter, 2009, 5, 4542.	1.2	15
130	Cluster crystals in confinement. Soft Matter, 2009, 5, 1024.	1.2	28
131	Adsorption characteristics of amphiphilic dendrimers. Soft Matter, 2009, 5, 2905.	1.2	21
132	Ordered equilibrium structures in soft matter systems between two and three dimensions. Soft Matter, 2009, 5, 2852.	1.2	14
133	Colloquium: Star-branched polyelectrolytes: The physics of their conformations and interactions. Reviews of Modern Physics, 2009, 81, 1753-1772.	16.4	46
134	Phase separation in star-linear polymer mixtures. Journal of Chemical Physics, 2009, 130, 204904.	1.2	27
135	Cluster-forming systems of ultrasoft repulsive particles: statics and dynamics. Computer Physics Communications, 2008, 179, 71-76.	3.0	25
136	End-functionalized polymers: Versatile building blocks for soft materials. Polymer, 2008, 49, 1425-1434.	1.8	86
137	Long-time self-diffusion for Brownian Gaussian-core particles. Computer Physics Communications, 2008, 179, 77-81.	3.0	14
138	Asymmetric caging in soft colloidal mixtures. Nature Materials, 2008, 7, 780-784.	13.3	116
139	Genetic algorithms predict formation of exotic ordered configurations for two-component dipolar monolayers. Soft Matter, 2008, 4, 480.	1.2	73
140	Charge-Induced Conformational Changes of Dendrimers. Macromolecules, 2008, 41, 4452-4458.	2.2	57
141	Multiple occupancy crystals formed by purely repulsive soft particles. Journal of Physics Condensed Matter, 2008, 20, 494245.	0.7	61
142	Computer simulations of polyelectrolyte stars and brushes. Journal of Physics Condensed Matter, 2008, 20, 494221.	0.7	22
143	Crystallization of magnetic dipolar monolayers: a density functional approach. Journal of Physics Condensed Matter, 2008, 20, 404217.	0.7	22
144	Polyelectrolyte-Compression Forces between Spherical DNA Brushes. Physical Review Letters, 2008, 100, 118302.	2.9	44

#	Article	IF	Citations
145	Computer Assembly of Cluster-Forming Amphiphilic Dendrimers. Physical Review Letters, 2008, 100, 028301.	2.9	86
146	Colloidal Crystal Growth at Externally Imposed Nucleation Clusters. Physical Review Letters, 2008, 100, 108302.	2.9	72
147	Correlations of two-dimensional super-paramagnetic colloids in tilted external magnetic fields. Molecular Physics, 2007, 105, 1849-1860.	0.8	11
148	Critical nuclei and crystallization in colloidal suspensions. Philosophical Magazine Letters, 2007, 87, 847-854.	0.5	9
149	Fluidâ€“fluid demixing transitions in colloidâ€“polyelectrolyte star mixtures. Journal of Physics Condensed Matter, 2007, 19, 076105.	0.7	2
150	Diffusion and Relaxation Dynamics in Cluster Crystals. Physical Review Letters, 2007, 99, 107801.	2.9	63
151	Why do ultrasoft repulsive particles cluster and crystallize? Analytical results from density-functional theory. Journal of Chemical Physics, 2007, 126, 224502.	1.2	163
152	From sea-urchins to starfishes: controlling the adsorption of star-branched polyelectrolytes on charged walls. Soft Matter, 2007, 3, 1130.	1.2	28
153	Clustering in the Absence of Attractions:â€‰ Density Functional Theory and Computer Simulations. Journal of Physical Chemistry B, 2007, 111, 12799-12808.	1.2	51
154	A Coarse-Grained Description of Starâ^'Linear Polymer Mixtures. Macromolecules, 2007, 40, 1196-1206.	2.2	36
155	Computer Simulation of Thermally Sensitive Telechelic Star Polymers. Journal of Physical Chemistry C, 2007, 111, 15803-15810.	1.5	23
156	Structural properties of a fluid of polymers confined in a porous matrix of star polymers. European Physical Journal: Special Topics, 2007, 141, 251-254.	1.2	1
157	Rheological transitions in asymmetric colloidal star mixtures. Rheologica Acta, 2007, 46, 611-619.	1.1	18
158	Microphase structuring in two-dimensional magnetic colloid mixtures. Journal of Physics Condensed Matter, 2006, 18, 10193-10211.	0.7	30
159	Soft matter with soft particles. Soft Matter, 2006, 2, 478.	1.2	285
160	Partial Clustering in Binary Two-Dimensional Colloidal Suspensions. Physical Review Letters, 2006, 97, 078301.	2.9	91
161	Ultrasoft colloids in cavities of oscillating size or sharpness. Molecular Physics, 2006, 104, 527-540.	0.8	19
162	Computer Simulations of Polyelectrolyte Stars Near Walls. Macromolecular Symposia, 2006, 245-246, 276-286.	0.4	1

#	Article	IF	Citations
163	Going to ground. Nature, 2006, 440, 433-434.	13.7	15
164	Effect of attraction on the dynamical arrest of soft colloids. Molecular Physics, 2006, 104, 3523-3534.	0.8	7
165	Density functional theory of freezing for soft interactions in two dimensions. Europhysics Letters, 2006, 75, 583-589.	0.7	26
166	Structure, phase behavior, and inhomogeneous fluid properties of binary dendrimer mixtures. Journal of Chemical Physics, 2006, 124, 084901.	1.2	27
167	Collapse of Telechelic Star Polymers to Watermelon Structures. Physical Review Letters, 2006, 96, 187802.	2.9	35
168	Formation of Polymorphic Cluster Phases for a Class of Models of Purely Repulsive Soft Spheres. Physical Review Letters, 2006, 96, 045701.	2.9	214
169	Polyelectrolyte stars in planar confinement. Journal of Chemical Physics, 2006, 124, 214904.	1.2	18
170	Star Polymers with Tunable Attractions: Cluster Formation, Phase Separation, Reentrant Crystallization. , 2006, , 78-87.		27
171	Charged colloids and polyelectrolytes: from statics to electrokinetics. Journal of Physics: Conference Series, 2005, 11, 207-222.	0.3	6
172	Dynamics of Dense Suspensions of Star-Like Micelles with Responsive Fixed Cores. Macromolecular Chemistry and Physics, 2005, 206, 163-172.	1.1	27
173	Equilibrium Structure of Dendrimers: Results and Open Questions. ChemInform, 2005, 36, no.	0.1	0
174	Microscopic and coarse-grained correlation functions of concentrated dendrimer solutions. Journal of Physics Condensed Matter, 2005, 17, S1777-S1797.	0.7	21
175	Clustering of soft colloids due to polymer additives. Journal of Physics Condensed Matter, 2005, 17, S3363-S3369.	0.7	16
176	Predicting equilibrium structures in freezing processes. Journal of Chemical Physics, 2005, 122, 204503.	1.2	75
177	Soft colloids driven and sheared by traveling wave fields. Physical Review E, 2005, 72, 021404.	0.8	32
178	Anisotropic mean-square displacements in two-dimensional colloidal crystals of tilted dipoles. Physical Review E, 2005, 71, 031404.	0.8	21
179	Bulk and interfacial properties in colloid-polymer mixtures. Physical Review E, 2005, 72, 030401.	0.8	24
180	Tailoring the Flow of Soft Glasses by Soft Additives. Physical Review Letters, 2005, 95, 268301.	2.9	68

#	Article	IF	Citations
181	Colloidal layers in magnetic fields and under shear flow. Journal of Physics Condensed Matter, 2005, 17, S3379-S3386.	0.7	26
182	Ionic microgels as model systems for colloids with an ultrasoft electrosteric repulsion: Structure and thermodynamics. Journal of Chemical Physics, 2005, 122, 074903.	1.2	70
183	Depletion and cluster formation in soft colloid - polymer mixtures. Europhysics Letters, 2005, 72, 664-670.	0.7	64
184	Soft-core binary fluid exhibiting a Â-line and freezing to a highly delocalized crystal. Journal of Physics Condensed Matter, 2004, 16, L297-L303.	0.7	37
185	Colloids in inhomogeneous external magnetic fields: particle tweezing, trapping and void formation. Journal of Physics Condensed Matter, 2004, 16, S4103-S4114.	0.7	7
186	Colloidal suspensions driven by external fields. AIP Conference Proceedings, 2004, , .	0.3	2
187	Tunable effective interactions between dendritic macromolecules. Journal of Chemical Physics, 2004, 120, 7761-7771.	1.2	74
188	Equilibrium properties of highly asymmetric star-polymer mixtures. Physical Review E, 2004, 70, 041402.	0.8	15
189	Is There a Reentrant Glass in Binary Mixtures?. Physical Review Letters, 2004, 92, 225703.	2.9	55
190	Structure and phase behavior of polyelectrolyte star solutions. Journal of Chemical Physics, 2004, 121, 7009-7021.	1.2	33
191	Linear screening of the electrostatic potential around spherical particles with non-spherical charge patterns. Molecular Physics, 2004, 102, 857-867.	0.8	36
192	Counterion distributions and effective interactions of spherical polyelectrolyte brushes. Colloid and Polymer Science, 2004, 282, 910-917.	1.0	97
193	Dendrimers in Solution: Insight from Theory and Simulation. Angewandte Chemie - International Edition, 2004, 43, 2998-3020.	7.2	343
194	Dendrimers in Solution: Insight from Theory and Simulation. ChemInform, 2004, 35, no.	0.1	0
195	Soft effective interactions between weakly charged polyelectrolyte chains. Journal of Chemical Physics, 2004, 121, 4913-4924.	1.2	25
196	Phase Behavior of Ionic Microgels. Physical Review Letters, 2004, 92, 068301.	2.9	123
197	Colloidal Dispersions in External Fields, Bonn-Bad Godesberg (29 March to 1 April 2004). Journal of Physics Condensed Matter, 2004, 16, .	0.7	4
198	Conformations of Flexible Dendrimers:Â A Simulation Study. Macromolecules, 2003, 36, 8189-8197.	2.2	75

#	Article	IF	Citations
199	Depletion Forces in Nonequilibrium. Physical Review Letters, 2003, 91, 248301.	2.9	101
200	Azimuthal Frustration and Bundling in Columnar DNA Aggregates. Biophysical Journal, 2003, 84, 3607-3623.	0.2	35
201	Crystal structures of two-dimensional magnetic colloids in tilted external magnetic fields. Physical Review E, 2003, 68, 061406.	0.8	46
202	Structural Arrest in Dense Star-Polymer Solutions. Physical Review Letters, 2003, 90, 238301.	2.9	107
203	Can dendrimers be viewed as compact colloids? A simulation study of the fluctuations in a dendrimer of fourth generation. Journal of Chemical Physics, 2003, 118, 1979-1988.	1.2	75
204	Interactions and phase behaviour of polyelectrolyte star solutions. Journal of Physics Condensed Matter, 2003, 15, S233-S238.	0.7	11
205	Mean-field dynamical density functional theory. Journal of Physics Condensed Matter, 2003, 15, L147-L154.	0.7	51
206	Charged colloids, polyelectrolytes and biomolecules viewed as strongly coupled Coulomb systems. Journal of Physics A, 2003, 36, 5827-5834.	1.6	36
207	Polymer-Mediated Melting in Ultrasoft Colloidal Gels. Physical Review Letters, 2002, 89, 208302.	2.9	88
208	Phase Behavior of Columnar DNA Assemblies. Physical Review Letters, 2002, 89, 018303.	2.9	57
209	Gaussian effective interaction between flexible dendrimers of fourth generation: A theoretical and experimental study. Journal of Chemical Physics, 2002, 117, 1869-1877.	1.2	118
210	Binary star-polymer solutions: bulk and interfacial properties. Journal of Physics Condensed Matter, 2002, 14, 12031-12050.	0.7	33
211	Exotic fluids and crystals of soft polymeric colloids. Journal of Physics Condensed Matter, 2002, 14, 7681-7698.	0.7	60
212	Star-polymers as depleting agents of colloidal hard spheres. Europhysics Letters, 2002, 58, 133-139.	0.7	13
213	Phase behavior and structure of star-polymerâ€“colloid mixtures. Journal of Chemical Physics, 2002, 116, 9518-9530.	1.2	51
214	Title is missing!. Macromolecular Chemistry and Physics, 2002, 203, 1995-2004.	1.1	44
215	Partial structure factors in star polymer/colloid mixtures. Applied Physics A: Materials Science and Processing, 2002, 74, s355-s357.	1.1	8
216	Counterion-induced entropic interactions in solutions of strongly stretched, osmotic polyelectrolyte stars. Journal of Chemical Physics, 2002, 116, 11011-11027.	1.2	115

#	Article	IF	Citations
217	Soft Interaction between Dissolved Flexible Dendrimers:â€‰ Theory and Experiment. Macromolecules, 2001, 34, 2914-2920.	2.2	102
218	Effective interactions between star polymers and colloidal particles. Journal of Physics Condensed Matter, 2001, 13, 6177-6194.	0.7	77
219	Interactions and phase transitions of colloidal dispersions in bulk and at interfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2001, 359, 909-920.	1.6	5
220	Effective interactions in soft condensed matter physics. Physics Reports, 2001, 348, 267-439.	10.3	1,011
221	Colloids with polymer stars: the interaction. Journal of Molecular Liquids, 2001, 93, 151-154.	2.3	8
222	Phase separation in star-polymerâ€“colloid mixtures. Physical Review E, 2001, 64, 010401.	0.8	39
223	Criterion for determining clustering versus reentrant melting behavior for bounded interaction potentials. Physical Review E, 2001, 63, 031206.	0.8	250
224	Conformations and Interactions of Star-Branched Polyelectrolytes. Physical Review Letters, 2001, 88, 018301.	2.9	103
225	Sedimentation profiles of systems with reentrant melting behavior. Physical Review E, 2001, 64, 011405.	0.8	9
226	Triplet interactions in star polymer solutions. European Physical Journal E, 2000, 2, 311.	0.7	48
227	Fluid and solid phases of the Gaussian core model. Journal of Physics Condensed Matter, 2000, 12, 5087-5108.	0.7	228
228	Polydisperse star polymer solutions. Physical Review E, 2000, 62, 6949-6956.	0.8	36
229	Phase transitions in soft matter systems. AIP Conference Proceedings, 2000, , .	0.3	0
230	Phase transitions in colloidal suspensions and star polymer solutions. Journal of Physics Condensed Matter, 2000, 12, A465-A469.	0.7	15
231	Colloidal Stabilization by Adsorbed Gelatin. Langmuir, 2000, 16, 4100-4108.	1.6	77
232	Neither Gaussian chains nor hard spheres - star polymers seen as ultrasoft colloids. , 2000, , 88-92.		26
233	Structure and thermodynamics of square-well and square-shoulder fluids. Journal of Physics Condensed Matter, 1999, 11, 10143-10161.	0.7	57
234	Phase Diagram of Star Polymer Solutions. Physical Review Letters, 1999, 82, 5289-5292.	2.9	280

#	Article	IF	Citations
235	The anomalous structure factor of dense star polymer solutions. Journal of Physics Condensed Matter, 1998, 10, 8189-8205.	0.7	65
236	Freezing and clustering transitions for penetrable spheres. Physical Review E, 1998, 58, 3135-3144.	0.8	90
237	Ordering phenomena of star polymer solutions approaching the Î˜ state. Physical Review E, 1998, 58, 6299-6307.	0.8	53
238	Star Polymers Viewed as Ultrasoft Colloidal Particles. Physical Review Letters, 1998, 80, 4450-4453.	2.9	465
239	Structure and dynamics of star polymers. , 1998, , 25-28.		14
240	Density-functional theory of freezing of quantum liquids at zero temperature using exact liquid-state linear response. Physical Review B, 1997, 55, 8867-8880.	1.1	18
241	Anisotropic triangular Ising model in the extended mean-field renormalization-group approach. Physical Review E, 1997, 55, 2001-2004.	0.8	6
242	Multi-interaction mean-field renormalization group. Physical Review E, 1996, 53, 3303-3314.	0.8	6
243	Statistical morphology of random interfaces in microemulsions. Journal of Chemical Physics, 1995, 102, 9350-9361.	1.2	62
244	Comment on â€˜â€˜Ability of nonperturbative density-functional theories to stabilize arbitrary solidsâ€™â€™. Physical Review E, 1995, 52, 5714-5715.	0.8	6
245	Reply to comment on 'Density-functional theory of solid-to-solid isostructural transitions'. Journal of Physics Condensed Matter, 1995, 7, 8215-8217.	0.7	2
246	Nonperturbative density functional theory of solid-to-solid isostructural transitions. Journal of Physics Condensed Matter, 1995, 7, 6797-6808.	0.7	21
247	Solid to solid isostructural transitions: The case of attractive Yukawa potentials. Journal of Physics Condensed Matter, 1995, 7, L537-L543.	0.7	13
248	Density-functional theory of solid-to-solid isostructural transitions. Journal of Physics Condensed Matter, 1994, 6, 10965-10975.	0.7	54
249	Complex alloy phases for binary hard-disc mixtures. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1993, 68, 85-113.	0.6	86
250	Densityâ€functional theory of nonuniform classical liquids: An extended modified weightedâ€density approximation. Journal of Chemical Physics, 1993, 99, 9090-9102.	1.2	26
251	Self-consistent theory of freezing of the classical one-component plasma. Physical Review Letters, 1992, 69, 316-319.	2.9	40
252	Self-Consistent Theory of Freezing of the Classical One-Component Plasma. Physical Review Letters, 1992, 69, 3134-3134.	2.9	4

#	Article	IF	Citations
253	Exact integral equations for the distribution functions of liquids and liquid mixtures. Journal of Chemical Physics, 1992, 97, 9303-9310.	1.2	7
254	Electroosmotic Flow Induced Lift Forces on Polymer Chains in Nanochannels. ACS Polymers Au, 0, , .	1.7	0
255	Star Polymers with Tunable Attractions: Cluster Formation, Phase Separation, Reentrant Crystallization. , 0, , 78-87.		0