

Christos N Likos

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.

248 papers	10,123 citations	51 h-index	89 g-index
263 ext. papers	10,632 ext. citations	4.8 avg, IF	6.56 L-index

#	Paper	IF	Citations
248	Active Topological Glass Confined within a Spherical Cavity.. <i>Macromolecules</i> , 2022 , 55, 956-964	5.5	0
247	Validity of Effective Potentials in Crowded Solutions of Linear and Ring Polymers with Reversible Bonds.. <i>Macromolecules</i> , 2022 , 55, 2659-2674	5.5	0
246	Glass quantization of the Gaussian core model.. <i>Physical Review E</i> , 2022 , 105, 024607	2.4	
245	Self assembling cluster crystals from DNA based dendritic nanostructures. <i>Nature Communications</i> , 2021 , 12, 7167	17.4	5
244	Multiscale Approaches for Confined Ring Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 4910-4923	3.4	6
243	The influence of arm composition on the self-assembly of low-functionality telechelic star polymers in dilute solutions. <i>Colloid and Polymer Science</i> , 2021 , 299, 497-507	2.4	2
242	Effect of softness on glass melting and re-entrant solidification in mixtures of soft and hard colloids. <i>Journal of Chemical Physics</i> , 2021 , 155, 034901	3.9	2
241	Grafting density induced reentrant disorder-order-disorder transition in planar di-block copolymer brushes. <i>Soft Matter</i> , 2021 , 17, 4719-4729	3.6	
240	Aggregation shapes of amphiphilic ring polymers: from spherical to toroidal micelles. <i>Colloid and Polymer Science</i> , 2020 , 298, 735-745	2.4	4
239	Effects of topological constraints on linked ring polymers in solvents of varying quality. <i>Soft Matter</i> , 2020 , 16, 3029-3038	3.6	18
238	Hydrodynamic inflation of ring polymers under shear. <i>Communications Materials</i> , 2020 , 1,	6	19
237	Active topological glass. <i>Nature Communications</i> , 2020 , 11, 26	17.4	38
236	Emergence of active topological glass through directed chain dynamics and nonequilibrium phase segregation. <i>Physical Review Research</i> , 2020 , 2,	3.9	7
235	Shear-Induced Stack Orientation and Breakup in Cluster Glasses of Ring Polymers. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3505-3517	4.3	6
234	Shape control of soft patchy nanoparticles under confinement. <i>Nanoscale</i> , 2020 , 12, 21188-21197	7.7	2
233	Dynamical Properties of Concentrated Suspensions of Block Copolymer Stars in Shear Flow. <i>Macromolecules</i> , 2020 , 53, 10015-10027	5.5	3
232	Cluster prevalence in concentrated ring-chain mixtures under shear. <i>Soft Matter</i> , 2020 , 16, 8710-8719	3.6	2

231	Structure and stimuli-responsiveness of all-DNA dendrimers: theory and experiment. <i>Nanoscale</i> , 2019 , 11, 1604-1617	7.7	11
230	Studying synthesis confinement effects on the internal structure of nanogels in computer simulations. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111066	6	8
229	Self-Organization and Flow of Low-Functionality Telechelic Star Polymers with Varying Attraction. <i>ACS Macro Letters</i> , 2019 , 8, 766-772	6.6	12
228	Hydrodynamics and Filtering of Knotted Ring Polymers in Nanochannels. <i>Macromolecules</i> , 2019 , 52, 4111-4119	5.3	7
227	Scaling and Interactions of Linear and Ring Polymer Brushes via DPD Simulations. <i>Polymers</i> , 2019 , 11,	4.5	8
226	Controlled self-aggregation of polymer-based nanoparticles employing shear flow and magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 24LT02	1.8	5
225	Self-organization of gel networks formed by block copolymer stars. <i>Soft Matter</i> , 2019 , 15, 3527-3540	3.6	6
224	Multi-particle collision dynamics for a coarse-grained model of soft colloids. <i>Journal of Chemical Physics</i> , 2019 , 151, 074902	3.9	2
223	Non-equilibrium effects of molecular motors on polymers. <i>Soft Matter</i> , 2019 , 15, 5995-6005	3.6	10
222	Spatial Demixing of Ring and Chain Polymers in Pressure-Driven Flow. <i>Macromolecules</i> , 2019 , 52, 7858-7869	3.9	12
221	Structure formation in soft nanocolloids: liquid-drop model. <i>Soft Matter</i> , 2018 , 14, 3063-3072	3.6	9
220	Self-Assembly of Ionic Microgels Driven by an Alternating Electric Field: Theory, Simulations, and Experiments. <i>ACS Nano</i> , 2018 , 12, 4321-4337	16.7	27
219	Self-assembly of magnetically functionalized star-polymer nano-colloids. <i>European Physical Journal E</i> , 2018 , 41, 3	1.5	1
218	Trefoil Knot Hydrodynamic Delocalization on Sheared Ring Polymers. <i>ACS Macro Letters</i> , 2018 , 7, 447-452	5.6	28
217	Star Block-Copolymers in Shear Flow. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 4149-4158	3.4	9
216	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	2.8	19
215	Ring polymers are much stronger depleting agents than linear ones. <i>Molecular Physics</i> , 2018 , 116, 2911-2926	2.7	16
214	Rotation Dynamics of Star Block Copolymers under Shear Flow. <i>Polymers</i> , 2018 , 10,	4.5	3

- 213 Quenching of fully symmetric mixtures of oppositely charged microgels: the role of soft stiffness. *Soft Matter*, **2018**, 14, 5106-5120 3.6 4
- 212 Condensation and Demixing in Solutions of DNA Nanostars and Their Mixtures. *ACS Nano*, **2017**, 11, 2094-2102 7.7 20
- 211 Hierarchical self-organization of soft patchy nanoparticles into morphologically diverse aggregates. *Current Opinion in Colloid and Interface Science*, **2017**, 30, 1-7 7.6 15
- 210 Inverse patchy colloids: Synthesis, modeling and self-organization. *Current Opinion in Colloid and Interface Science*, **2017**, 30, 8-15 7.6 40
- 209 Topology-Sensitive Microfluidic Filter for Polymers of Varying Stiffness. *ACS Macro Letters*, **2017**, 6, 1426-1431 16.1 18
- 208 Soft self-assembled nanoparticles with temperature-dependent properties. *Nanoscale*, **2016**, 8, 3288-957.7 26
- 207 Void-Based Assembly of Colloidal Crystals: Using Structure-Directing Agents to Direct the Assembly of Open Colloidal Crystals **2016**, 5, 1-5
- 206 Thermodynamic stability and structural properties of cluster crystals formed by amphiphilic dendrimers. *Journal of Chemical Physics*, **2016**, 144, 204901 3.9 7
- 205 Multiblob coarse-graining for mixtures of long polymers and soft colloids. *Journal of Chemical Physics*, **2016**, 145, 174901 3.9 10
- 204 Bottom-Up Colloidal Crystal Assembly with a Twist. *ACS Nano*, **2016**, 10, 5459-67 16.7 28
- 203 Anisotropic effective interactions and stack formation in mixtures of semiflexible ring polymers. *Soft Matter*, **2016**, 12, 4805-20 3.6 19
- 202 Concentration-induced planar-to-homeotropic anchoring transition of stiff ring polymers on hard walls. *Soft Matter*, **2016**, 12, 7983-7994 3.6 14
- 201 Soft-patchy nanoparticles: modeling and self-organization. *Faraday Discussions*, **2015**, 181, 123-38 3.6 32
- 200 Dynamic phase diagram of soft nanocolloids. *Nanoscale*, **2015**, 7, 13924-34 7.7 37
- 199 An Anisotropic Effective Model for the Simulation of Semiflexible Ring Polymers. *Macromolecules*, **2015**, 48, 4983-4997 5.5 24
- 198 Customizing wormlike mesoscale structures via self-assembly of amphiphilic star polymers. *Soft Matter*, **2015**, 11, 3530-5 3.6 19
- 197 Coarse-graining and phase behavior of model star polymer-colloid mixtures in solvents of varying quality. *Journal of Chemical Physics*, **2015**, 143, 243108 3.9 6
- 196 Effective interactions of DNA-stars. *Molecular Physics*, **2015**, 113, 2699-2706 1.7

195	Effective interactions in polydisperse systems of penetrable macroions. <i>Molecular Physics</i> , 2015 , 113, 2496-2510	1.7	10
194	Depletion, melting and reentrant solidification in mixtures of soft and hard colloids. <i>Soft Matter</i> , 2015 , 11, 8296-312	3.6	21
193	Elasticity of polymeric nanocolloidal particles. <i>Scientific Reports</i> , 2015 , 5, 15854	4.9	22
192	Validity of the Stokes-Einstein Relation in Soft Colloids up to the Glass Transition. <i>Physical Review Letters</i> , 2015 , 115, 128302	7.4	30
191	Patchy particles. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 230301	1.8	5
190	Influence of Rigidity and Knot Complexity on the Knotting of Confined Polymers. <i>Macromolecules</i> , 2014 , 47, 3394-3400	5.5	51
189	Multi-blob coarse graining for ring polymer solutions. <i>Soft Matter</i> , 2014 , 10, 9601-14	3.6	32
188	Cluster Glasses of Semiflexible Ring Polymers. <i>ACS Macro Letters</i> , 2014 , 3, 611-616	6.6	32
187	Discussion on a percolating conducting network of a composite thin-film electrode (11 h) for micro-solid oxide fuel cell application. <i>Langmuir</i> , 2014 , 30, 8889-97	4	3
186	Tunable assembly of heterogeneously charged colloids. <i>Nano Letters</i> , 2014 , 14, 3412-8	11.5	52
185	Pattern formation and coarse-graining in two-dimensional colloids driven by multiaxial magnetic fields. <i>Langmuir</i> , 2014 , 30, 5088-96	4	48
184	Effective Interactions between Multilayered Ionic Microgels. <i>Materials</i> , 2014 , 7, 7689-7705	3.5	10
183	Equilibrium properties of charged microgels: a Poisson-Boltzmann-Flory approach. <i>Journal of Chemical Physics</i> , 2014 , 141, 234902	3.9	47
182	Self-assembly of heterogeneously charged particles under confinement. <i>ACS Nano</i> , 2013 , 7, 4657-67	16.7	45
181	Architecture-Induced Size Asymmetry and Effective Interactions of Ring Polymers: Simulation and Theory. <i>Macromolecules</i> , 2013 , 46, 9437-9445	5.5	16
180	Fluids of semiflexible ring polymers: effective potentials and clustering. <i>Soft Matter</i> , 2013 , 9, 1287-1300	3.6	45
179	Phase behavior of rigid, amphiphilic star polymers. <i>Soft Matter</i> , 2013 , 9, 7424	3.6	10
178	Effects of Knots on Ring Polymers in Solvents of Varying Quality. <i>Macromolecules</i> , 2013 , 46, 3654-3668	5.5	48

177	Structures and pathways for clathrin self-assembly in the bulk and on membranes. <i>Soft Matter</i> , 2013 , 9, 5794	3.6	27
176	Controlling the Interactions between Soft Colloids via Surface Adsorption. <i>Macromolecules</i> , 2013 , 46, 3648-3653	5.5	14
175	Dynamics of self-assembly of model viral capsids in the presence of a fluctuating membrane. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 8283-92	3.4	14
174	Computer simulations of colloidal particles under flow in microfluidic channels. <i>Soft Matter</i> , 2013 , 9, 2603	3.6	19
173	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	19
172	Effective interactions of knotted ring polymers. <i>Biochemical Society Transactions</i> , 2013 , 41, 630-4	5.1	11
171	Glassy states in asymmetric mixtures of soft and hard colloids. <i>Physical Review Letters</i> , 2013 , 111, 208301	7.4	18
170	Flow quantization and nonequilibrium nucleation of soft crystals. <i>Soft Matter</i> , 2012 , 8, 4121	3.6	23
169	Influence of fluctuating membranes on self-assembly of patchy colloids. <i>Physical Review Letters</i> , 2012 , 109, 178302	7.4	21
168	Cluster formation in star-linear polymer mixtures: equilibrium and dynamical properties. <i>Soft Matter</i> , 2012 , 8, 4177	3.6	15
167	Structural properties of dendrimer-colloid mixtures. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 284118	1.8	2
166	Telechelic star polymers as self-assembling units from the molecular to the macroscopic scale. <i>Physical Review Letters</i> , 2012 , 109, 238301	7.4	60
165	Effect of Bending Rigidity on the Knotting of a Polymer under Tension. <i>ACS Macro Letters</i> , 2012 , 1, 1352-1356	4.8	33
164	Explicit vs Implicit Water Simulations of Charged Dendrimers. <i>Macromolecules</i> , 2012 , 45, 2562-2569	5.5	19
163	Coarse graining of star-polymer--colloid nanocomposites. <i>Journal of Chemical Physics</i> , 2012 , 137, 014902	3.9	24
162	Coarse-Graining of Ionic Microgels: Theory and Experiment. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 711-735	3.1	38
161	Microscopically resolved simulations prove the existence of soft cluster crystals. <i>Physical Review Letters</i> , 2012 , 109, 228301	7.4	44
160	Complexation and overcharging of polyelectrolyte stars and charged colloids. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 322101, 1-7	1.8	4

159	Complexation of charged colloids with polyelectrolyte stars. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012 , 226, 585-596	3.1	2
158	The Eighth Liquid Matter Conference. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 280401	1.8	1
157	Effective interactions between charged dendrimers. <i>Soft Matter</i> , 2011 , 7, 8419	3.6	19
156	Cluster crystals under shear. <i>Physical Review Letters</i> , 2011 , 107, 068302	7.4	21
155	Monomer-resolved simulations of cluster-forming dendrimers. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 7218-26	3.4	28
154	Confined diffusion in periodic porous nanostructures. <i>ACS Nano</i> , 2011 , 5, 4607-16	16.7	74
153	Patchy colloids: state of the art and perspectives. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6397-4106	9.6	368
152	Inverse patchy colloids: from microscopic description to mesoscopic coarse-graining. <i>Soft Matter</i> , 2011 , 7, 8313	3.6	58
151	Structure and Thermodynamics of Ionic Microgels 2011 , 163-193		4
150	Phonon dispersions of cluster crystals. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 234112	1.8	19
149	Ultrasoft colloid-polymer mixtures: structure and phase diagram. <i>Physical Review Letters</i> , 2011 , 106, 228301	7.4	39
148	Self-assembly scenarios of block copolymer stars. <i>Molecular Physics</i> , 2011 , 109, 3049-3060	1.7	12
147	Interfacial and wetting behaviour of phase-separating ultrasoft mixtures. <i>Molecular Physics</i> , 2011 , 109, 1121-1132	1.7	8
146	Tailoring the phonon band structure in binary colloidal mixtures. <i>Physical Review E</i> , 2010 , 81, 060401	2.4	11
145	Flow-induced polymer translocation through narrow and patterned channels. <i>Journal of Chemical Physics</i> , 2010 , 133, 074901	3.9	45
144	Dynamics in binary cluster crystals. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2010 , P10015	1.9	8
143	Unusual features of depletion interactions in soft polymer-based colloids mixed with linear homopolymers. <i>Physical Review Letters</i> , 2010 , 104, 078301	7.4	38
142	Self-assembled structures of Gaussian nematic particles. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 104107	1.8	7

141	Branched Polymers under Shear. <i>Macromolecules</i> , 2010 , 43, 1610-1620	5.5	31
140	Phase behavior of low-functionality, telechelic star block copolymers. <i>Faraday Discussions</i> , 2010 , 144, 143-57; discussion 203-22, 467-81	3.6	13
139	Conformations of high-generation dendritic polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10486		23
138	Interactions between planar polyelectrolyte brushes: effects of stiffness and salt. <i>Soft Matter</i> , 2010 , 6, 163-171	3.6	17
137	Influence of topology on effective potentials: coarse-graining ring polymers. <i>Soft Matter</i> , 2010 , 6, 2435	3.6	48
136	The effects of pH, salt and bond stiffness on charged dendrimers. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 232101	1.8	24
135	Osmotic shrinkage in star/linear polymer mixtures. <i>European Physical Journal E</i> , 2010 , 32, 127-34	1.5	33
134	Interactions between planar stiff polyelectrolyte brushes. <i>Physical Review E</i> , 2009 , 80, 010801	2.4	26
133	Clustering in nondemixing mixtures of repulsive particles. <i>Journal of Chemical Physics</i> , 2009 , 131, 034903	3.9	14
132	Aggregation phenomena in telechelic star polymer solutions. <i>Physical Review E</i> , 2009 , 79, 010401	2.4	34
131	Phase behaviour in binary mixtures of ultrasoft repulsive particles. <i>Europhysics Letters</i> , 2009 , 85, 26003	1.6	15
130	Ordering in two-dimensional dipolar mixtures. <i>Langmuir</i> , 2009 , 25, 7836-46	4	31
129	Star Polymers in Solvents of Varying Quality. <i>Macromolecules</i> , 2009 , 42, 2806-2816	5.5	47
128	Multiple Glass Transitions in Star Polymer Mixtures: Insights from Theory and Simulations. <i>Macromolecules</i> , 2009 , 42, 423-434	5.5	42
127	Crystal structures of two-dimensional binary mixtures of dipolar colloids in tilted external magnetic fields. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 12316-25	3.4	19
126	Ground states of ultrasoft particles with attractions: a genetic algorithm approach. <i>Molecular Physics</i> , 2009 , 107, 523-534	1.7	8
125	Colloid-dendrimer complexation. <i>Soft Matter</i> , 2009 , 5, 4542	3.6	15
124	Cluster crystals in confinement. <i>Soft Matter</i> , 2009 , 5, 1024	3.6	28

123	Adsorption characteristics of amphiphilic dendrimers. <i>Soft Matter</i> , 2009 , 5, 2905	3.6	20
122	Ordered equilibrium structures in soft matter systems between two and three dimensions. <i>Soft Matter</i> , 2009 , 5, 2852	3.6	13
121	Colloquium: Star-branched polyelectrolytes: The physics of their conformations and interactions. <i>Reviews of Modern Physics</i> , 2009 , 81, 1753-1772	40.5	45
120	Phase separation in star-linear polymer mixtures. <i>Journal of Chemical Physics</i> , 2009 , 130, 204904	3.9	25
119	Asymmetric caging in soft colloidal mixtures. <i>Nature Materials</i> , 2008 , 7, 780-4	27	104
118	Genetic algorithms predict formation of exotic ordered configurations for two-component dipolar monolayers. <i>Soft Matter</i> , 2008 , 4, 480-484	3.6	68
117	Charge-Induced Conformational Changes of Dendrimers. <i>Macromolecules</i> , 2008 , 41, 4452-4458	5.5	56
116	Multiple occupancy crystals formed by purely repulsive soft particles. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 494245	1.8	55
115	Computer simulations of polyelectrolyte stars and brushes. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 494221	1.8	20
114	Crystallization of magnetic dipolar monolayers: a density functional approach. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 404217	1.8	19
113	Polyelectrolyte-compression forces between spherical DNA brushes. <i>Physical Review Letters</i> , 2008 , 100, 118302	7.4	41
112	Computer assembly of cluster-forming amphiphilic dendrimers. <i>Physical Review Letters</i> , 2008 , 100, 028301	7.4	83
111	Colloidal crystal growth at externally imposed nucleation clusters. <i>Physical Review Letters</i> , 2008 , 100, 108302	7.4	69
110	Cluster-forming systems of ultrasoft repulsive particles: statics and dynamics. <i>Computer Physics Communications</i> , 2008 , 179, 71-76	4.2	24
109	End-functionalized polymers: Versatile building blocks for soft materials. <i>Polymer</i> , 2008 , 49, 1425-1434	3.9	72
108	Long-time self-diffusion for Brownian Gaussian-core particles. <i>Computer Physics Communications</i> , 2008 , 179, 77-81	4.2	11
107	From sea-urchins to starfishes: controlling the adsorption of star-branched polyelectrolytes on charged walls. <i>Soft Matter</i> , 2007 , 3, 1130-1134	3.6	26
106	Clustering in the absence of attractions: density functional theory and computer simulations. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12799-808	3.4	47

105	A Coarse-Grained Description of Star-Linear Polymer Mixtures. <i>Macromolecules</i> , 2007 , 40, 1196-1206	5.5	34
104	Computer Simulation of Thermally Sensitive Telechelic Star Polymers. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 15803-15810	3.8	23
103	Structural properties of a fluid of polymers confined in a porous matrix of star polymers. <i>European Physical Journal: Special Topics</i> , 2007 , 141, 251-254	2.3	1
102	Rheological transitions in asymmetric colloidal star mixtures. <i>Rheologica Acta</i> , 2007 , 46, 611-619	2.3	18
101	Correlations of two-dimensional super-paramagnetic colloids in tilted external magnetic fields. <i>Molecular Physics</i> , 2007 , 105, 1849-1860	1.7	11
100	Critical nuclei and crystallization in colloidal suspensions. <i>Philosophical Magazine Letters</i> , 2007 , 87, 847-854	3.4	9
99	Fluid-fluid demixing transitions in colloid-polyelectrolyte star mixtures. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 076105	1.8	2
98	Diffusion and relaxation dynamics in cluster crystals. <i>Physical Review Letters</i> , 2007 , 99, 107801	7.4	59
97	Why do ultrasoft repulsive particles cluster and crystallize? Analytical results from density-functional theory. <i>Journal of Chemical Physics</i> , 2007 , 126, 224502	3.9	152
96	Effect of attraction on the dynamical arrest of soft colloids. <i>Molecular Physics</i> , 2006 , 104, 3523-3534	1.7	7
95	Density functional theory of freezing for soft interactions in two dimensions. <i>Europhysics Letters</i> , 2006 , 75, 583-589	1.6	24
94	Structure, phase behavior, and inhomogeneous fluid properties of binary dendrimer mixtures. <i>Journal of Chemical Physics</i> , 2006 , 124, 084901	3.9	27
93	Collapse of telechelic star polymers to watermelon structures. <i>Physical Review Letters</i> , 2006 , 96, 187802	7.4	34
92	Formation of polymorphic cluster phases for a class of models of purely repulsive soft spheres. <i>Physical Review Letters</i> , 2006 , 96, 045701	7.4	195
91	Polyelectrolyte stars in planar confinement. <i>Journal of Chemical Physics</i> , 2006 , 124, 214904	3.9	17
90	Microphase structuring in two-dimensional magnetic colloid mixtures. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 10193-10211	1.8	27
89	Soft matter with soft particles. <i>Soft Matter</i> , 2006 , 2, 478-498	3.6	259
88	Partial clustering in binary two-dimensional colloidal suspensions. <i>Physical Review Letters</i> , 2006 , 97, 078301	7.4	88

87	Ultrasoft colloids in cavities of oscillating size or sharpness. <i>Molecular Physics</i> , 2006 , 104, 527-540	1.7	19
86	Computer Simulations of Polyelectrolyte Stars Near Walls. <i>Macromolecular Symposia</i> , 2006 , 245-246, 276-286	0.8	1
85	Star Polymers with Tunable Attractions: Cluster Formation, Phase Separation, Reentrant Crystallization 2006 , 78-87		26
84	Colloidal layers in magnetic fields and under shear flow. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S3379-S3386	1.8	22
83	Ionic microgels as model systems for colloids with an ultrasoft electrosteric repulsion: structure and thermodynamics. <i>Journal of Chemical Physics</i> , 2005 , 122, 074903	3.9	65
82	Depletion and cluster formation in soft colloid - polymer mixtures. <i>Europhysics Letters</i> , 2005 , 72, 664-670	1.6	60
81	Charged colloids and polyelectrolytes: from statics to electrokinetics. <i>Journal of Physics: Conference Series</i> , 2005 , 11, 207-222	0.3	6
80	Dynamics of Dense Suspensions of Star-Like Micelles with Responsive Fixed Cores. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 163-172	2.6	25
79	Microscopic and coarse-grained correlation functions of concentrated dendrimer solutions. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S1777-S1797	1.8	18
78	Clustering of soft colloids due to polymer additives. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S3363-S3369	1.4	14
77	Equilibrium Structure of Dendrimers [Results and Open Questions. <i>Topics in Current Chemistry</i> , 2005 , 239-252		22
76	Predicting equilibrium structures in freezing processes. <i>Journal of Chemical Physics</i> , 2005 , 122, 204503	3.9	72
75	Soft colloids driven and sheared by traveling wave fields. <i>Physical Review E</i> , 2005 , 72, 021404	2.4	31
74	Anisotropic mean-square displacements in two-dimensional colloidal crystals of tilted dipoles. <i>Physical Review E</i> , 2005 , 71, 031404	2.4	19
73	Bulk and interfacial properties in colloid-polymer mixtures. <i>Physical Review E</i> , 2005 , 72, 030401	2.4	24
72	Tailoring the flow of soft glasses by soft additives. <i>Physical Review Letters</i> , 2005 , 95, 268301	7.4	65
71	Soft-core binary fluid exhibiting a λ -line and freezing to a highly delocalized crystal. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, L297-L303	1.8	35
70	Colloids in inhomogeneous external magnetic fields: particle tweezing, trapping and void formation. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S4103-S4114	1.8	7

69	Tunable effective interactions between dendritic macromolecules. <i>Journal of Chemical Physics</i> , 2004 , 120, 7761-71	3.9	69
68	Equilibrium properties of highly asymmetric star-polymer mixtures. <i>Physical Review E</i> , 2004 , 70, 041402	2.4	15
67	Is there a reentrant glass in binary mixtures?. <i>Physical Review Letters</i> , 2004 , 92, 225703	7.4	53
66	Structure and phase behavior of polyelectrolyte star solutions. <i>Journal of Chemical Physics</i> , 2004 , 121, 7009-21	3.9	31
65	Linear screening of the electrostatic potential around spherical particles with non-spherical charge patterns. <i>Molecular Physics</i> , 2004 , 102, 857-867	1.7	35
64	Counterion distributions and effective interactions of spherical polyelectrolyte brushes. <i>Colloid and Polymer Science</i> , 2004 , 282, 910-917	2.4	91
63	Dendrimers in solution: insight from theory and simulation. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2998-3020	16.4	317
62	Soft effective interactions between weakly charged polyelectrolyte chains. <i>Journal of Chemical Physics</i> , 2004 , 121, 4913-24	3.9	23
61	Phase behavior of ionic microgels. <i>Physical Review Letters</i> , 2004 , 92, 068301	7.4	116
60	Dendrimere in Lösung Erkenntnisse aus Theorie und Simulation. <i>Angewandte Chemie</i> , 2004 , 116, 3060-3082	3.8	38
59	Colloidal Dispersions in External Fields, Bonn-Bad Godesberg (29 March to 1 April 2004). <i>Journal of Physics Condensed Matter</i> , 2004 , 16,	1.8	4
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