

Francesco Sciortino

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.

424
papers

25,992
citations

87
h-index

145
g-index

441
ext. papers

27,650
ext. citations

5.6
avg, IF

7.15
L-index

#	Paper	IF	Citations
424	Decompression dynamics of high density amorphous ice above and below the liquid-liquid critical point. <i>Journal of Non-Crystalline Solids: X</i> , 2022 , 13, 100081	2.5	1
423	Advances in the study of supercooled water. <i>European Physical Journal E</i> , 2021 , 44, 143	1.5	14
422	Structure of High-Pressure Supercooled and Glassy Water. <i>Physical Review Letters</i> , 2021 , 127, 175502	7.4	6
421	Building up DNA, bit by bit: a simple description of chain assembly. <i>Soft Matter</i> , 2021 , 17, 10736-10743	3.6	
420	Phase Behavior and Microscopic Dynamics of a Thermosensitive Gel-Forming Polymer. <i>Macromolecules</i> , 2021 , 54, 3897-3906	5.5	2
419	Structural and topological changes across the liquid-liquid transition in water. <i>Journal of Chemical Physics</i> , 2021 , 154, 184506	3.9	9
418	Monodisperse patchy particle glass former. <i>Journal of Chemical Physics</i> , 2021 , 154, 174501	3.9	3
417	Gel Formation in Reversibly Cross-Linking Polymers. <i>Macromolecules</i> , 2021 , 54, 6613-6627	5.5	2
416	Hydrodynamic instability and flow reduction in polymer brush coated channels. <i>Soft Matter</i> , 2021 , 17, 9235-9245	3.6	1
415	Spatially uniform dynamics in equilibrium colloidal gels. <i>Science Advances</i> , 2021 , 7, eabk2360	14.3	3
414	Combinatorial-Entropy-Driven Aggregation in DNA-Grafted Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 5628-5635	15.7	8
413	Leveraging Hierarchical Self-Assembly Pathways for Realizing Colloidal Photonic Crystals. <i>ACS Nano</i> , 2020 , 14, 5348-5359	16.7	20
412	A structural indicator for water built upon potential energy considerations. <i>Journal of Chemical Physics</i> , 2020 , 152, 244503	3.9	15
411	DNA-GEL, Novel Nanomaterial for Biomedical Applications and Delivery of Bioactive Molecules. <i>Frontiers in Pharmacology</i> , 2020 , 11, 01345	5.6	11
410	Aggregate formation in fluids with bounded repulsive core and competing interactions. <i>Journal of Molecular Liquids</i> , 2020 , 303, 112601	6	1
409	Second critical point in two realistic models of water. <i>Science</i> , 2020 , 369, 289-292	33.3	89
408	Hyperbranched DNA clusters. <i>Nanoscale</i> , 2020 , 12, 23003-23012	7.7	2

407	Connection between liquid and non-crystalline solid phases in water. <i>Journal of Chemical Physics</i> , 2020 , 153, 104503	3.9	10
406	Gelling without Structuring: A SAXS Study of the Interactions among DNA Nanostars. <i>Langmuir</i> , 2020 , 36, 10387-10396	4	4
405	Assembly of clathrates from tetrahedral patchy colloids with narrow patches. <i>Journal of Chemical Physics</i> , 2019 , 151, 094502	3.9	9
404	q-Independent Slow Dynamics in Atomic and Molecular Systems. <i>Physical Review Letters</i> , 2019 , 122, 175501	7.4	11
403	Cold-swappable DNA gels. <i>Nanoscale</i> , 2019 , 11, 9691-9697	7.7	14
402	Size dependence of dynamic fluctuations in liquid and supercooled water. <i>Journal of Chemical Physics</i> , 2019 , 150, 144505	3.9	3
401	Several glasses of water but one dense liquid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9149-9151	11.5	3
400	The stability-limit conjecture revisited. <i>Journal of Chemical Physics</i> , 2019 , 150, 234502	3.9	12
399	Patchy Particle Models to Understand Protein Phase Behavior. <i>Methods in Molecular Biology</i> , 2019 , 2039, 187-208	1.4	5
398	Glass polymorphism in TIP4P/2005 water: A description based on the potential energy landscape formalism. <i>Journal of Chemical Physics</i> , 2019 , 150, 244506	3.9	14
397	General Methodology to Identify the Minimum Alphabet Size for Heteropolymer Design. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1900031	3.5	5
396	Patchy particles at a hard wall: Orientation-dependent bonding. <i>Journal of Chemical Physics</i> , 2019 , 151, 174903	3.9	2
395	All-DNA System Close to the Percolation Threshold. <i>ACS Macro Letters</i> , 2019 , 8, 84-87	6.6	2
394	Evaluating the Laplace pressure of water nanodroplets from simulations. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 144005	1.8	13
393	Potential energy landscape of TIP4P/2005 water. <i>Journal of Chemical Physics</i> , 2018 , 148, 134505	3.9	23
392	Binding branched and linear DNA structures: From isolated clusters to fully bonded gels. <i>Journal of Chemical Physics</i> , 2018 , 148, 025103	3.9	9
391	Self-Dynamics and Collective Swap-Driven Dynamics in a Particle Model for Vitrimers. <i>Macromolecules</i> , 2018 , 51, 1232-1241	5.5	25
390	Dynamics of Vitrimers: Defects as a Highway to Stress Relaxation. <i>Physical Review Letters</i> , 2018 , 121, 058003	7.4	38

- 389 Exploiting limited valence patchy particles to understand autocatalytic kinetics. *Nature Communications*, **2018**, 9, 2647 17.4 3
- 388 The Adam-Gibbs relation and the TIP4P/2005 model of water. *Molecular Physics*, **2018**, 116, 3366-3371 1.7 8
- 387 Advances in Computational Studies of the Liquid-Liquid Transition in Water and Water-Like Models. *Chemical Reviews*, **2018**, 118, 9129-9151 68.1 110
- 386 Microrheology of DNA hydrogel gelling and melting on cooling. *Soft Matter*, **2018**, 14, 6431-6438 3.6 28
- 385 Freely Jointed Polymers Made of Droplets. *Physical Review Letters*, **2018**, 121, 138002 7.4 38
- 384 Spatiotemporal intermittency and localized dynamic fluctuations upon approaching the glass transition. *Physical Review E*, **2018**, 97, 060601 2.4 5
- 383 Condensation and Demixing in Solutions of DNA Nanostars and Their Mixtures. *ACS Nano*, **2017**, 11, 20942-21020 10.2 20
- 382 Three-body potential for simulating bond swaps in molecular dynamics. *European Physical Journal E*, **2017**, 40, 3 1.5 23
- 381 Communication: Re-entrant limits of stability of the liquid phase and the Speedy scenario in colloidal model systems. *Journal of Chemical Physics*, **2017**, 146, 041103 3.9 21
- 380 Phase behaviour in complementary DNA-coated gold nanoparticles and fd-viruses mixtures: a numerical study. *European Physical Journal E*, **2017**, 40, 7 1.5 3
- 379 Equilibrium gels of limited valence colloids. *Current Opinion in Colloid and Interface Science*, **2017**, 30, 90-96 7.6 35
- 378 Connectivity, dynamics, and structure in a tetrahedral network liquid. *Soft Matter*, **2017**, 13, 514-530 3.6 24
- 377 Free energy calculations for rings and chains formed by dipolar hard spheres. *Soft Matter*, **2017**, 13, 7870-7878 11 11
- 376 Which way to low-density liquid water?. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 8141-8143 11.5 4
- 375 Fluctuating Elasticity Mode in Transient Molecular Networks. *Physical Review Letters*, **2017**, 119, 078002 7.4 22
- 374 "Swarm relaxation": Equilibrating a large ensemble of computer simulations. *European Physical Journal E*, **2017**, 40, 98 1.5 6
- 373 Supercooled and glassy water: Metastable liquid(s), amorphous solid(s), and a no-man's land. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 13336-13344 11.5 75
- 372 Anomalous dynamics of intruders in a crowded environment of mobile obstacles. *Nature Communications*, **2016**, 7, 11133 17.4 88

371	Re-entrant DNA gels. <i>Nature Communications</i> , 2016 , 7, 13191	17.4	56
370	Surface wave excitations and backflow effect over dense polymer brushes. <i>Scientific Reports</i> , 2016 , 6, 22257	4.9	6
369	Crystals of Janus colloids at various interaction ranges. <i>Journal of Chemical Physics</i> , 2016 , 145, 064513	3.9	18
368	Small-angle neutron scattering and molecular dynamics structural study of gelling DNA nanostars. <i>Journal of Chemical Physics</i> , 2016 , 145, 084910	3.9	27
367	Discontinuous change from thermally- to geometrically-dominated effective interactions in colloidal solutions. <i>Soft Matter</i> , 2016 , 12, 9649-9656	3.6	2
366	Potential energy landscape of the apparent first-order phase transition between low-density and high-density amorphous ice. <i>Journal of Chemical Physics</i> , 2016 , 145, 224501	3.9	22
365	Toward the observation of a liquid-liquid phase transition in patchy origami tetrahedra: a numerical study. <i>European Physical Journal E</i> , 2016 , 39, 131	1.5	4
364	Switching bonds in a DNA gel: an all-DNA vitrimer. <i>Physical Review Letters</i> , 2015 , 114, 078104	7.4	30
363	Cluster formation and phase separation in heteronuclear Janus dumbbells. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 234101	1.8	20
362	Equilibrium gels of trivalent DNA-nanostars: Effect of the ionic strength on the dynamics. <i>European Physical Journal E</i> , 2015 , 38, 64	1.5	26
361	Reference interaction site model and optimized perturbation theories of colloidal dumbbells with increasing anisotropy. <i>Journal of Chemical Physics</i> , 2015 , 142, 224904	3.9	10
360	Equilibrium gels of low-valence DNA nanostars: a colloidal model for strong glass formers. <i>Soft Matter</i> , 2015 , 11, 3132-8	3.6	44
359	Low temperature structural transitions in dipolar hard spheres: The influence on magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 383, 272-276	2.8	4
358	Liquid-Liquid Phase Transitions in Tetrahedrally Coordinated Fluids via Wertheim Theory. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 9076-83	3.4	3
357	Self-assembly of mesogenic bent-core DNA nanoduplexes. <i>Soft Matter</i> , 2015 , 11, 2934-44	3.6	8
356	Tuning the Liquid-Liquid Transition by Modulating the Hydrogen-Bond Angular Flexibility in a Model for Water. <i>Physical Review Letters</i> , 2015 , 115, 015701	7.4	78
355	Unusual dynamics of concentration fluctuations in solutions of weakly attractive globular proteins. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4470-4	6.4	21
354	Phase diagram of the ST2 model of water. <i>Molecular Physics</i> , 2015 , 113, 2791-2798	1.7	22

353	Free energy of formation of small ice nuclei near the Widom line in simulations of supercooled water. <i>European Physical Journal E</i> , 2015 , 38, 124	1.5	14
352	Patchy particles. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 230301	1.8	5
351	Temperature-induced structural transitions in self-assembling magnetic nanocolloids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16601-8	3.6	29
350	How fluorescent labelling alters the solution behaviour of proteins. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31177-87	3.6	33
349	Casimir-like forces at the percolation transition. <i>Nature Communications</i> , 2014 , 5, 3267	17.4	27
348	Self-assembly-driven nematization. <i>Langmuir</i> , 2014 , 30, 4814-9	4	22
347	Accurate phase diagram of tetravalent DNA nanostars. <i>Journal of Chemical Physics</i> , 2014 , 140, 154903	3.9	45
346	Equilibrium phases of one-patch colloids with short-range attractions. <i>Soft Matter</i> , 2014 , 10, 5121-8	3.6	46
345	Phase separation and self-assembly of colloidal dimers with tunable attractive strength: from symmetrical square-wells to Janus dumbbells. <i>Soft Matter</i> , 2014 , 10, 5269-79	3.6	30
344	Erasing no-man's land by thermodynamically stabilizing the liquid-liquid transition in tetrahedral particles. <i>Nature Physics</i> , 2014 , 10, 653-657	16.2	101
343	"Crystal-clear" liquid-liquid transition in a tetrahedral fluid. <i>Soft Matter</i> , 2014 , 10, 9413-22	3.6	21
342	Gels of DNA nanostars never crystallize. <i>ACS Nano</i> , 2014 , 8, 3567-74	16.7	63
341	Self-assembly of hard helices: a rich and unconventional polymorphism. <i>Soft Matter</i> , 2014 , 10, 8171-87	3.6	33
340	Observable-dependence of the effective temperature in off-equilibrium diatomic molecular liquids. <i>Journal of Chemical Physics</i> , 2014 , 141, 194507	3.9	0
339	From square-well to Janus: improved algorithm for integral equation theory and comparison with thermodynamic perturbation theory within the Kern-Frenkel model. <i>Journal of Chemical Physics</i> , 2014 , 140, 094104	3.9	18
338	Cooperative polymerization of one-patch colloids. <i>Journal of Chemical Physics</i> , 2014 , 140, 144902	3.9	23
337	Multiple glass singularities and isodynamics in a core-softened model for glass-forming systems. <i>Physical Review Letters</i> , 2014 , 113, 258302	7.4	16
336	Free energy surface of ST2 water near the liquid-liquid phase transition. <i>Journal of Chemical Physics</i> , 2013 , 138, 034505	3.9	108

335	Liquids more stable than crystals in particles with limited valence and flexible bonds. <i>Nature Physics</i> , 2013 , 9, 554-558	16.2	132
334	Understanding tetrahedral liquids through patchy colloids. <i>Journal of Chemical Physics</i> , 2013 , 139, 23490-9	3.9	36
333	Phase diagram of a reentrant gel of patchy particles. <i>Journal of Chemical Physics</i> , 2013 , 139, 244910	3.9	16
332	On the gas-liquid phase separation and the self-assembly of charged soft dumbbells. <i>Molecular Physics</i> , 2013 , 111, 3608-3617	1.7	12
331	Generalized fluctuation-dissipation relation and effective temperature upon heating a deeply supercooled liquid. <i>Physical Review Letters</i> , 2013 , 110, 035701	7.4	8
330	Structure and phase behavior of colloidal dumbbells with tunable attractive interactions. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20590-9	3.6	26
329	Patchy particle model for vitrimers. <i>Physical Review Letters</i> , 2013 , 111, 188002	7.4	75
328	Self-assembly in chains, rings, and branches: a single component system with two critical points. <i>Physical Review Letters</i> , 2013 , 111, 168302	7.4	40
327	Cluster phases of decorated micellar solutions with macrocyclic ligands. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3613-23	3.4	1
326	Cluster formation in one-patch colloids: low coverage results. <i>Soft Matter</i> , 2013 , 9, 2652	3.6	52
325	How to calculate structure factors of self-assembling anisotropic particles. <i>Soft Matter</i> , 2013 , 9, 4412	3.6	10
324	Nonmonotonic magnetic susceptibility of dipolar hard-spheres at low temperature and density. <i>Physical Review Letters</i> , 2013 , 110, 148306	7.4	66
323	Computing the phase diagram of binary mixtures: a patchy particle case study. <i>Journal of Chemical Physics</i> , 2013 , 138, 164904	3.9	22
322	The influence of shape anisotropy on the microstructure of magnetic dipolar particles. <i>Soft Matter</i> , 2013 , 9, 6594	3.6	18
321	Gelling by heating. <i>Scientific Reports</i> , 2013 , 3, 2451	4.9	23
320	Phase diagram of one-patch colloids forming tubes and lamellae. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 9540-7	3.4	55
319	Unveiling the complex glassy dynamics of square shoulder systems: simulations and theory. <i>Journal of Chemical Physics</i> , 2013 , 138, 134501	3.9	12
318	Phase behavior and critical activated dynamics of limited-valence DNA nanostars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15633-7	11.5	111

317	Branching points in the low-temperature dipolar hard sphere fluid. <i>Journal of Chemical Physics</i> , 2013 , 139, 134901	3.9	29
316	Predicting crystals of Janus colloids. <i>Journal of Chemical Physics</i> , 2013 , 138, 164505	3.9	78
315	Observation of empty liquids and equilibrium gels in a colloidal clay 2013 ,		4
314	Instantaneous Normal Mode in Supercooled Water. <i>Progress of Theoretical Physics Supplement</i> , 2013 , 126, 267-272		
313	Cooperative Molecular Motions in Water. <i>Progress of Theoretical Physics Supplement</i> , 2013 , 126, 201-206		
312	Self-assembly of short DNA duplexes: from a coarse-grained model to experiments through a theoretical link. <i>Soft Matter</i> , 2012 , 8, 8388	3.6	51
311	Structural properties of the dipolar hard-sphere fluid at low temperatures and densities. <i>Soft Matter</i> , 2012 , 8, 6310	3.6	74
310	Self-Assembly of Bifunctional Patchy Particles with Anisotropic Shape into Polymers Chains: Theory, Simulations, and Experiments. <i>Macromolecules</i> , 2012 , 45, 1090-1106	5.5	63
309	Ising universality class for the liquid-liquid critical point of a one component fluid: a finite-size scaling test. <i>Physical Review Letters</i> , 2012 , 109, 177801	7.4	53
308	Fluid-fluid and fluid-solid transitions in the Kern-Frenkel model from Barker-Henderson thermodynamic perturbation theory. <i>Journal of Chemical Physics</i> , 2012 , 136, 094512	3.9	23
307	Chapter 6:Theoretical Calculations of Phase Diagrams and Self-assembly in Patchy Colloids. <i>RSC Smart Materials</i> , 2012 , 108-137	0.6	1
306	How properties of interacting depletant particles control aggregation of hard-sphere colloids. <i>Soft Matter</i> , 2012 , 8, 1991-1996	3.6	21
305	Chemical and physical aggregation of small-functionality particles. <i>Soft Matter</i> , 2012 , 8, 11207	3.6	24
304	Patterning symmetry in the rational design of colloidal crystals. <i>Nature Communications</i> , 2012 , 3, 975	17.4	116
303	Phase diagram of trivalent and pentavalent patchy particles. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 064113	1.8	22
302	Quantitative description of the self-assembly of patchy particles into chains and rings. <i>Journal of Chemical Physics</i> , 2012 , 137, 044901	3.9	31
301	Properties of patchy colloidal particles close to a surface: a Monte Carlo and density functional study. <i>Journal of Chemical Physics</i> , 2012 , 137, 084704	3.9	26
300	Tuning effective interactions close to the critical point in colloidal suspensions. <i>Journal of Chemical Physics</i> , 2012 , 137, 084903	3.9	13

299	Two dimensional assembly of triblock Janus particles into crystal phases in the two bond per patch limit. <i>Soft Matter</i> , 2011 , 7, 5799	3.6	95
298	Reversible gels of patchy particles. <i>Current Opinion in Solid State and Materials Science</i> , 2011 , 15, 246-253	1.2	86
297	Study of the ST2 model of water close to the liquid-liquid critical point. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19759-64	3.6	96
296	Observation of empty liquids and equilibrium gels in a colloidal clay. <i>Nature Materials</i> , 2011 , 10, 56-60	27	272
295	Self and collective correlation functions in a gel of tetrahedral patchy particles. <i>Molecular Physics</i> , 2011 , 109, 2889-2896	1.7	19
294	Crystallization of tetrahedral patchy particles in silico. <i>Journal of Chemical Physics</i> , 2011 , 134, 174502	3.9	99
293	Quantitative investigation of the two-state picture for water in the normal liquid and the supercooled regime. <i>European Physical Journal E</i> , 2011 , 34, 48	1.5	50
292	Dynamical behavior near a liquid-liquid phase transition in simulations of supercooled water. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14176-83	3.4	73
291	Chain dynamics in nonentangled polymer melts: A first-principle approach for the role of intramolecular barriers. <i>Soft Matter</i> , 2011 , 7, 1364	3.6	9
290	Cluster theory of Janus particles. <i>Soft Matter</i> , 2011 , 7, 2419	3.6	38
289	From caging to Rouse dynamics in polymer melts with intramolecular barriers: a critical test of the mode coupling theory. <i>Journal of Chemical Physics</i> , 2011 , 134, 024523	3.9	13
288	Re-entrant phase behaviour of network fluids: a patchy particle model with temperature-dependent valence. <i>Journal of Chemical Physics</i> , 2011 , 135, 034501	3.9	69
287	Cluster-driven dynamical arrest in concentrated lysozyme solutions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 7227-37	3.4	99
286	Silica through the eyes of colloidal models--when glass is a gel. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 285101	1.8	7
285	The vibrational density of states of a disordered gel model. <i>Journal of Chemical Physics</i> , 2011 , 135, 104502	3.9	10
284	Nucleation barriers in tetrahedral liquids spanning glassy and crystallizing regimes. <i>Journal of Chemical Physics</i> , 2011 , 135, 124506	3.9	25
283	Reentrant phase diagram of network fluids. <i>Physical Review Letters</i> , 2011 , 106, 085703	7.4	96
282	No evidence of gas-liquid coexistence in dipolar hard spheres. <i>Physical Review Letters</i> , 2011 , 107, 237801	7.4	82

281	Simulation and theory of a model for tetrahedral colloidal particles. <i>Journal of Chemical Physics</i> , 2011 , 134, 194502	3.9	19
280	Effects of patch size and number within a simple model of patchy colloids. <i>Journal of Chemical Physics</i> , 2010 , 132, 174110	3.9	101
279	Theoretical description of a DNA-linked nanoparticle self-assembly. <i>Physical Review Letters</i> , 2010 , 105, 055502	7.4	35
278	Phase diagram of a tetrahedral patchy particle model for different interaction ranges. <i>Journal of Chemical Physics</i> , 2010 , 132, 184501	3.9	102
277	How do self-assembling polymers and gels age compared to glasses?. <i>Physical Review Letters</i> , 2010 , 104, 195701	7.4	21
276	Interaction between like-charged polyelectrolyte-colloid complexes in electrolyte solutions: a Monte Carlo simulation study in the Debye-Hückel approximation. <i>Journal of Chemical Physics</i> , 2010 , 133, 024901	3.9	23
275	Equilibrium self-assembly of colloids with distinct interaction sites: thermodynamics, percolation, and cluster distribution functions. <i>Journal of Chemical Physics</i> , 2010 , 132, 234502	3.9	42
274	Nanoflows through disordered media: A joint lattice Boltzmann and molecular dynamics investigation. <i>Europhysics Letters</i> , 2010 , 89, 44001	1.6	14
273	A spherical model with directional interactions: II. Dynamics and landscape properties. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 104110	1.8	5
272	Association of limited valence patchy particles in two dimensions. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 104108	1.8	14
271	Disconnected glass-glass transitions and diffusion anomalies in a model with two repulsive length scales. <i>Physical Review Letters</i> , 2010 , 104, 145701	7.4	22
270	A numerical study of one-patch colloidal particles: from square-well to Janus. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11869-77	3.6	116
269	Modeling the crossover between chemically and diffusion-controlled irreversible aggregation in a small-functionality gel-forming system. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3769-75	3.4	24
268	Valency dependence of polymorphism and polyamorphism in DNA-functionalized nanoparticles. <i>Langmuir</i> , 2010 , 26, 3601-8	4	35
267	Association of limited valence patchy particles in two dimensions. <i>Soft Matter</i> , 2010 , 6, 4229	3.6	29
266	Primitive models of patchy colloidal particles. A review. <i>Collection of Czechoslovak Chemical Communications</i> , 2010 , 75, 349-358		26
265	Phase diagram of Janus particles. <i>Physical Review Letters</i> , 2009 , 103, 237801	7.4	227
264	Reversible gels of patchy particles: role of the valence. <i>Journal of Chemical Physics</i> , 2009 , 131, 014504	3.9	125

263	Identifying a causal link between structure and dynamics in supercooled water. <i>Europhysics Letters</i> , 2009 , 88, 16003	1.6	21
262	Vapor-liquid coexistence of fluids with attractive patches: An application of Wertheim's theory of association. <i>Journal of Chemical Physics</i> , 2009 , 130, 044902	3.9	30
261	Phase diagram and structural properties of a simple model for one-patch particles. <i>Journal of Chemical Physics</i> , 2009 , 131, 174114	3.9	40
260	Colloidal particle aggregates induced by particle surface charge heterogeneity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 343, 34-42	5.1	22
259	Kinetic arrest in polyion-induced inhomogeneously charged colloidal particle aggregation. <i>European Physical Journal E</i> , 2009 , 29, 229-37	1.5	12
258	Evidence of a two-state picture for supercooled water and its connections with glassy dynamics. <i>European Physical Journal E</i> , 2009 , 29, 305-10	1.5	68
257	Role of the range in the fluid-crystal coexistence for a patchy particle model. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 15133-6	3.4	45
256	Assembly kinetics in binary mixtures of strongly attractive colloids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6775-81	3.4	7
255	Multiple Glass Transitions in Star Polymer Mixtures: Insights from Theory and Simulations. <i>Macromolecules</i> , 2009 , 42, 423-434	5.5	42
254	Connecting irreversible to reversible aggregation: time and temperature. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 1233-6	3.4	31
253	A parameter-free description of the kinetics of formation of loop-less branched structures and gels. <i>Soft Matter</i> , 2009 ,	3.6	6
252	Colloidal systems with competing interactions: from an arrested repulsive cluster phase to a gel. <i>Soft Matter</i> , 2009 , 5, 2390	3.6	132
251	Gelation of particles with short-range attraction. <i>Nature</i> , 2008 , 453, 499-503	50.4	700
250	Asymmetric caging in soft colloidal mixtures. <i>Nature Materials</i> , 2008 , 7, 780-4	27	104
249	DNA closed nanostructures: a structural and Monte Carlo simulation study. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15283-94	3.4	19
248	Theoretical and numerical study of the phase diagram of patchy colloids: ordered and disordered patch arrangements. <i>Journal of Chemical Physics</i> , 2008 , 128, 144504	3.9	134
247	A molecular dynamics study of chemical gelation in a patchy particle model. <i>Soft Matter</i> , 2008 , 4, 1173-1177	3.7	37
246	Hierarchies of networked phases induced by multiple liquid-liquid critical points. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13711-5	11.5	59

245	The vanishing limit of the square-well fluid: the adhesive hard-sphere model as a reference system. <i>Journal of Chemical Physics</i> , 2008 , 128, 134513	3.9	60
244	Theoretical and numerical estimates of the gas-liquid critical point of a primitive model for silica. <i>Journal of Chemical Physics</i> , 2008 , 129, 224904	3.9	6
243	Simulation of the dynamics of hard ellipsoids. <i>Philosophical Magazine</i> , 2008 , 88, 4117-4123	1.6	3
242	Growth of equilibrium polymers under non-equilibrium conditions. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 155101	1.8	21
241	Gelation as arrested phase separation in short-ranged attractive colloid-polymer mixtures. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 494242	1.8	65
240	Numerical investigation of glassy dynamics in low-density systems. <i>Physical Review Letters</i> , 2008 , 100, 195701	7.4	26
239	Interaction between charged colloids in a low dielectric constant solvent. <i>Europhysics Letters</i> , 2008 , 81, 59901	1.6	4
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