Daan Frenkel

List of Publications by Year in Descending Order

514 papers	36,985 citations	99 h-index	172 g-index
544 ext. papers	39,212 ext. citations	5.6 avg, IF	7.65 L-index

#	Paper	IF	Citations
514	Challenges in modelling diffusiophoretic transport. *European Physical Journal B*, **2021**, 94, 1	1.2	1
513	Thermodynamics and kinetics of crystallization in deeply supercooled Stillinger-Weber silicon. *Journal of Chemical Physics*, **2021**, 155, 194502	3.9	4
512	Thermodynamics and kinetics of phase separation of protein-RNA mixtures by a minimal model. *Biophysical Journal*, **2021**, 120, 1219-1230	2.9	14
511	Free energies of crystals computed using Einstein crystal with fixed center of mass and differing spring constants. *Journal of Chemical Physics*, **2021**, 154, 164509	3.9	2
510	Reduced variance analysis of molecular dynamics simulations by linear combination of estimators. *Journal of Chemical Physics*, **2021**, 154, 191101	3.9	1
509	Estimation of the equilibrium free energy for glasses using the Jarzynski equality. *Journal of Chemical Physics*, **2021**, 154, 231101	3.9	0
508	Nano-pump based on exothermic surface reactions. *Soft Matter*, **2021**, 17, 1173-1177	3.6	0
507	Computation of the chemical potential and solubility of amorphous solids. *Journal of Chemical Physics*, **2021**, 154, 124502	3.9	2
506	Numerical method for computing the free energy of glasses. *Physical Review E*, **2020**, 102, 063303	2.4	2
505	Studying polymer diffusiophoresis with non-equilibrium molecular dynamics. *Journal of Chemical Physics*, **2020**, 152, 164901	3.9	3
504	Reactive Momentum Transfer Contributes to the Self-Propulsion of Janus Particles. *Physical Review Letters*, **2020**, 124, 188001	7.4	10
503	Liquid network connectivity regulates the stability and composition of biomolecular condensates with many components. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13238-13247	11.5	64
502	Information density, structure and entropy in equilibrium and non-equilibrium systems. *Journal of Statistical Mechanics: Theory and Experiment*, **2020**, 2020, 023204	1.9	3
501	Effect of the interaction strength and anisotropy on the diffusio-phoresis of spherical colloids. *Soft Matter*, **2020**, 16, 3621-3627	3.6	3
500	The Lennard-Jones potential: when (not) to use it. *Physical Chemistry Chemical Physics*, **2020**, 22, 10624-10633	3.6	49
499	Using Molecular Simulation to Compute Transport Coefficients of Molecular Gases. *Journal of Physical Chemistry B*, **2020**, 124, 7636-7646	3.4	0
498	Computing the Heat Conductivity of Fluids from Density Fluctuations. *Physical Review Letters*, **2020**, 125, 130602	7.4	7

497	Computational design of probes to detect bacterial genomes by multivalent binding. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 8719-8726	11.5	9
496	Structural and Linear Elastic Properties of DNA Hydrogels by Coarse-Grained Simulation. *Macromolecules*, **2019**, 52, 504-512	5.5	11
495	Multivalent Recognition at Fluid Surfaces: The Interplay of Receptor Clustering and Superselectivity. *Journal of the American Chemical Society*, **2019**, 141, 2577-2588	16.4	24
494	Breakdown of the law of rectilinear diameter and related surprises in the liquid-vapor coexistence in systems of patchy particles. *Journal of Chemical Physics*, **2019**, 150, 224510	3.9	21
493	The pathway and kinetics of hierarchical assembly of ionic oligomers into a lyotropic columnar phase. *Soft Matter*, **2019**, 15, 4460-4466	3.6	
492	Comparing theory and simulation for thermo-osmosis. *Journal of Chemical Physics*, **2019**, 151, 124109	3.9	4
491	Heterogeneous versus homogeneous crystal nucleation of hard spheres. *Soft Matter*, **2019**, 15, 9625-963	3.6	16
490	Solubilities of pyrene in organic solvents: Comparison between chemical potential calculations using a cavity-based method and direct coexistence simulations. *Journal of Chemical Thermodynamics*, **2019**, 131, 620-629	2.9	3
489	Controlling Cargo Trafficking in Multicomponent Membranes. *Nano Letters*, **2018**, 18, 5350-5356	11.5	17
488	Pressure gradients fail to predict diffusio-osmosis. *Journal of Physics Condensed Matter*, **2018**, 30, 205002	1.8	10
487	A unified description of colloidal thermophoresis. *European Physical Journal E*, **2018**, 41, 7	1.5	33
486	Computational methodology for solubility prediction: Application to sparingly soluble organic/inorganic materials. *Journal of Chemical Physics*, **2018**, 149, 054102	3.9	15
485	Hamiltonian Transformation to Compute Thermo-osmotic Forces. *Physical Review Letters*, **2018**, 121, 068002	7.4	13
484	Addressing hysteresis and slow equilibration issues in cavity-based calculation of chemical potentials. *Journal of Chemical Physics*, **2018**, 149, 014105	3.9	3
483	Special Issue on Liquid Matter 2017. *Journal of Physics Condensed Matter*, **2018**, 30, 290301	1.8	
482	Lattice models and Monte Carlo methods for simulating DNA origami self-assembly. *Journal of Chemical Physics*, **2018**, 149, 234905	3.9	9
481	Calculation of the water-octanol partition coefficient of cholesterol for SPC, TIP3P, and TIP4P water. *Journal of Chemical Physics*, **2018**, 149, 224501	3.9	7
480	Quantifying Co-Oligomer Formation by □Synuclein. *ACS Nano*, **2018**, 12, 10855-10866	16.7	30

479	Thermophoretic forces on a mesoscopic scale. *Soft Matter*, **2018**, 14, 7446-7454	3.6	11
478	Theoretical Prediction of Thermal Polarization. *Physical Review Letters*, **2018**, 120, 226001	7.4	4
477	Investigating the role of boundary bricks in DNA brick self-assembly. *Soft Matter*, **2017**, 13, 1670-1680	3.6	9
476	Phase Transitions in Biological Systems with Many Components. *Biophysical Journal*, **2017**, 112, 683-691	2.9	68
475	Emergence of complex behavior in pili-based motility in early stages of P. aeruginosa surface adaptation. *Scientific Reports*, **2017**, 7, 45467	4.9	11
474	Numerical evidence for thermally induced monopoles. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 4911-4914	11.5	7
473	Monte Carlo sampling for stochastic weight functions. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 6924-6929	11.5	2
472	Computational methodology for solubility prediction: Application to the sparingly soluble solutes. *Journal of Chemical Physics*, **2017**, 146, 214110	3.9	55
471	Molecular Simulation of Thermo-osmotic Slip. *Physical Review Letters*, **2017**, 119, 038002	7.4	39
470	Design Principles for Super Selectivity using Multivalent Interactions **2017**, 75-101		9
469	Microscopic Marangoni Flows Cannot Be Predicted on the Basis of Pressure Gradients. *Physical Review Letters*, **2017**, 119, 224502	7.4	12
468	When droplets become stars: charged dielectric droplets beyond the Rayleigh limit. *Soft Matter*, **2017**, 13, 8781-8795	3.6	11
467	Numerical test of the Edwards conjecture shows that all packings are equally probable at jamming. *Nature Physics*, **2017**, 13, 848-851	16.2	25
466	Optimal multivalent targeting of membranes with many distinct receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7210-7215	11.5	58
465	What experiments on pinned nanobubbles can tell about the critical nucleus for bubble nucleation. *European Physical Journal E*, **2017**, 40, 114	1.5	10
464	Nanoparticle Assembly:A Perspective and some Unanswered Questions. *Current Science*, **2017**, 112, 1635	2.2	10
463	Rational design of molecularly imprinted polymers. *Soft Matter*, **2016**, 12, 35-44	3.6	28
462	Effects of co-ordination number on the nucleation behaviour in many-component self-assembly. *Faraday Discussions*, **2016**, 186, 215-28	3.6	10

461	Physical determinants of the self-replication of protein fibrils. *Nature Physics*, **2016**, 12, 874-880	16.2	73
460	Turning intractable counting into sampling: Computing the configurational entropy of three-dimensional jammed packings. *Physical Review E*, **2016**, 93, 012906	2.4	45
459	The crucial effect of early-stage gelation on the mechanical properties of cement hydrates. *Nature Communications*, **2016**, 7, 12106	17.4	86
458	DNA brick self-assembly with an off-lattice potential. *Soft Matter*, **2016**, 12, 6253-60	3.6	21
457	Self-Assembly of Structures with Addressable Complexity. *Journal of the American Chemical Society*, **2016**, 138, 2457-67	16.4	58
456	A review of immune amplification via ligand clustering by self-assembled liquid-crystalline DNA complexes. *Advances in Colloid and Interface Science*, **2016**, 232, 17-24	14.3	12
455	Consistent Treatment of Hydrophobicity in Protein Lattice Models Accounts for Cold Denaturation. *Physical Review Letters*, **2016**, 116, 078101	7.4	23
454	Theory and simulation of DNA-coated colloids: a guide for rational design. *Physical Chemistry Chemical Physics*, **2016**, 18, 6373-93	3.6	46
453	Oligomers of Heat-Shock Proteins: Structures That Don't Imply Function. *PLoS Computational Biology*, **2016**, 12, e1004756	5	5
452	Non-equilibrium simulations of thermally induced electric fields in water. *Journal of Chemical Physics*, **2016**, 144, 224102	3.9	16
451	Communication: Simple approach for calculating the binding free energy of a multivalent particle. *Journal of Chemical Physics*, **2016**, 144, 161101	3.9	16
450	Switch-like surface binding of competing multivalent particles. *European Physical Journal: Special Topics*, **2016**, 225, 1673-1682	2.3	7
449	Quantitative analysis of co-oligomer formation by amyloid-beta peptide isoforms. *Scientific Reports*, **2016**, 6, 28658	4.9	38
448	Preface: Special Topic on Nucleation: New Concepts and Discoveries. *Journal of Chemical Physics*, **2016**, 145, 211501	3.9	8
447	Kinetics of spontaneous filament nucleation via oligomers: Insights from theory and simulation. *Journal of Chemical Physics*, **2016**, 145, 211926	3.9	50
446	Kinetics of formation of bile salt micelles from coarse-grained Langevin dynamics simulations. *Soft Matter*, **2016**, 12, 5172-9	3.6	10
445	Hot Nanoparticles in Polar or Paramagnetic Liquids Interact as Monopoles. *Journal of Physical Chemistry B*, **2016**, 120, 5987-9	3.4	3
444	Synthesis of Nanoparticle Assemblies: general discussion. *Faraday Discussions*, **2016**, 186, 123-52	3.6	

443	Light-induced actuating nanotransducers. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5503-7	11.5	108
442	Folding Proteins One Loop at a Time. *Biophysical Journal*, **2016**, 111, 893-4	2.9	1
441	Structural analysis of high-dimensional basins of attraction. *Physical Review E*, **2016**, 94, 031301	2.4	12
440	Gibbs, Boltzmann, and negative temperatures. *American Journal of Physics*, **2015**, 83, 163-170	0.7	71
439	Lattice simulation method to model diffusion and NMR spectra in porous materials. *Journal of Chemical Physics*, **2015**, 142, 094701	3.9	25
438	Chromatin Unfolding by Epigenetic Modifications Explained by Dramatic Impairment of Internucleosome Interactions: A Multiscale Computational Study. *Journal of the American Chemical Society*, **2015**, 137, 10205-15	16.4	96
437	Designing multivalent probes for tunable superselective targeting. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 5579-84	11.5	87
436	Rational design of self-assembly pathways for complex multicomponent structures. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6313-8	11.5	80
435	Jean-Pierre Hansen a stimulating history of simulating fluids. *Molecular Physics*, **2015**, 113, 2363-2375	1.7	1
434	Communication: theoretical prediction of free-energy landscapes for complex self-assembly. *Journal of Chemical Physics*, **2015**, 142, 021101	3.9	30
433	Self-assembly protocol design for periodic multicomponent structures. *Soft Matter*, **2015**, 11, 8930-8	3.6	13
432	Order through entropy. *Nature Materials*, **2015**, 14, 9-12	27	149
431	An enhanced version of the heat exchange algorithm with excellent energy conservation properties. *Journal of Chemical Physics*, **2015**, 143, 124104	3.9	71
430	Communication: Evidence for non-ergodicity in quiescent states of periodically sheared suspensions. *Journal of Chemical Physics*, **2015**, 143, 241103	3.9	17
429	The role of non-specific interactions in a patchy model of protein crystallization. *Journal of Chemical Physics*, **2015**, 143, 194511	3.9	15
428	Liquid-crystalline ordering of antimicrobial peptide-DNA complexes controls TLR9 activation. *Nature Materials*, **2015**, 14, 696-700	27	60
427	Mechanism of two-step vapour crystal nucleation in a pore. *Molecular Physics*, **2015**, 113, 2742-2754	1.7	5
426	Numerical calculation of granular entropy. *Physical Review Letters*, **2014**, 112, 098002	7.4	64

425	Why colloidal systems can be described by statistical mechanics: some not very original comments on the Gibbs paradox. *Molecular Physics*, **2014**, 112, 2325-2329	1.7	30
424	Phase separation in solutions with specific and nonspecific interactions. *Journal of Chemical Physics*, **2014**, 140, 204109	3.9	21
423	Designing stimulus-sensitive colloidal walkers. *Soft Matter*, **2014**, 10, 3463-70	3.6	9
422	Optimizing the Selectivity of Surface-Adsorbing Multivalent Polymers. *Macromolecules*, **2014**, 47, 7496-7509	5.9	14
421	Effect of inert tails on the thermodynamics of DNA hybridization. *Journal of the American Chemical Society*, **2014**, 136, 6538-41	16.4	39
420	Stability of bicelles: a simulation study. *Langmuir*, **2014**, 30, 4229-35	4	12
419	Mobile linkers on DNA-coated colloids: valency without patches. *Physical Review Letters*, **2014**, 113, 128303	7.4	60
418	Nanoparticle organization in sandwiched polymer brushes. *Nano Letters*, **2014**, 14, 2617-22	11.5	30
417	Numerical evidence for nucleated self-assembly of DNA brick structures. *Physical Review Letters*, **2014**, 112, 238103	7.4	72
416	Superselective targeting using multivalent polymers. *Journal of the American Chemical Society*, **2014**, 136, 1722-5	16.4	78
415	Superposition Enhanced Nested Sampling. *Physical Review X*, **2014**, 4,	9.1	18
414	Crucial role of nonspecific interactions in amyloid nucleation. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 17869-74	11.5	116
413	Simulations suggest possible novel membrane pore structure. *Langmuir*, **2014**, 30, 1304-10	4	17
412	A simple lattice model that captures protein folding, aggregation and amyloid formation. *PLoS ONE* , **2014**, 9, e85185	3.7	50
411	Predicting phase behavior in multicomponent mixtures. *Journal of Chemical Physics*, **2013**, 139, 024108	3.9	27
410	The other entropy. *Molecular Physics*, **2013**, 111, 3641-3650	1.7	7
409	Living clusters and crystals from low-density suspensions of active colloids. *Physical Review Letters*, **2013**, 111, 245702	7.4	106
408	Procedure to construct a multi-scale coarse-grained model of DNA-coated colloids from experimental data. *Soft Matter*, **2013**, 9, 7342	3.6	20

407	Simulations: The dark side. *European Physical Journal Plus*, **2013**, 128, 1	3.1	85
406	Collective ordering of colloids in grafted polymer layers. *Soft Matter*, **2013**, 9, 5565	3.6	18
405	Visualizing basins of attraction for different minimization algorithms. *Journal of Physical Chemistry B*, **2013**, 117, 12717-23	3.4	34
404	Communication: a simple analytical formula for the free energy of ligand-receptor-mediated interactions. *Journal of Chemical Physics*, **2013**, 138, 021102	3.9	46
403	Accounting for adsorption and desorption in lattice Boltzmann simulations. *Physical Review E*, **2013**, 88, 013308	2.4	35
402	Spatiotemporal control and superselectivity in supramolecular polymers using multivalency. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12203-8	11.5	90
401	Error analysis and correction for Lattice Boltzmann simulated flow conductance in capillaries of different shapes and alignments. *Journal of Computational Physics*, **2012**, 231, 2634-2640	4.1	8
400	Controlling the temperature sensitivity of DNA-mediated colloidal interactions through competing linkages. *Soft Matter*, **2012**, 8, 2213	3.6	38
399	Running faster together: huge speed up of thermal ratchets due to hydrodynamic coupling. *Physical Review Letters*, **2012**, 109, 168101	7.4	20
398	Intracellular release of endocytosed nanoparticles upon a change of ligand-receptor interaction. *ACS Nano*, **2012**, 6, 10598-605	16.7	53
397	Probing ergodicity in granular matter. *Physical Review Letters*, **2012**, 109, 208001	7.4	20
396	Re-entrant melting as a design principle for DNA-coated colloids. *Nature Materials*, **2012**, 11, 518-22	27	91
395	A parameter-free, solid-angle based, nearest-neighbor algorithm. *Journal of Chemical Physics*, **2012**, 136, 234107	3.9	72
394	Intrinsic disorder modulates protein self-assembly and aggregation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 6951-6	11.5	84
393	Quantitative prediction of the phase diagram of DNA-functionalized nanosized colloids. *Physical Review Letters*, **2012**, 108, 268301	7.4	45
392	Layering, freezing, and re-entrant melting of hard spheres in soft confinement. *Physical Review E*, **2012**, 85, 021502	2.4	15
391	Spiers Memorial Lecture: Effect of interaction specificity on the phase behaviour of patchy particles. *Faraday Discussions*, **2012**, 159, 9	3.6	35
390	Connecting macroscopic observables and microscopic assembly events in amyloid formation using coarse grained simulations. *PLoS Computational Biology*, **2012**, 8, e1002692	5	58

389	A general theory of DNA-mediated and other valence-limited colloidal interactions. *Journal of Chemical Physics*, **2012**, 137, 094108	3.9	82
388	Colloidal crystals full of invisible vacancies. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 17728-9	11.5	3
387	Predicting DNA-mediated colloidal pair interactions. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E378-9; author reply E380	11.5	30
386	Accounting for protein-solvent contacts facilitates design of nonaggregating lattice proteins. *Biophysical Journal*, **2011**, 100, 693-700	2.9	13
385	Relation between molecular shape and the morphology of self-assembling aggregates: a simulation study. *Biophysical Journal*, **2011**, 101, 1432-9	2.9	53
384	Simulation of nucleation in almost hard-sphere colloids: the discrepancy between experiment and simulation persists. *Journal of Chemical Physics*, **2011**, 134, 134901	3.9	74
383	Role of fluctuations in ligand binding cooperativity of membrane receptors. *Physical Review Letters*, **2011**, 106, 168103	7.4	9
382	Design rule for colloidal crystals of DNA-functionalized particles. *Physical Review Letters*, **2011**, 107, 045902	7.4	69
381	Pair interactions between complex mesoscopic particles from Widom's particle-insertion method. *Soft Matter*, **2011**, 7, 1450-1455	3.6	16
380	Direct determination of the size of basins of attraction of jammed solids. *Physical Review Letters*, **2011**, 106, 245502	7.4	42
379	Receptor-mediated endocytosis of nanoparticles of various shapes. *Nano Letters*, **2011**, 11, 5391-5	11.5	384
378	Numerical study of DNA-functionalized microparticles and nanoparticles: explicit pair potentials and their implications for phase behavior. *Journal of Chemical Physics*, **2011**, 134, 084702	3.9	68
377	Real-time monitoring of complex moduli from micro-rheology. *Journal of Physics Condensed Matter*, **2011**, 23, 194118	1.8	8
376	Publisher's Note: Design Rule for Colloidal Crystals of DNA-Functionalized Particles [Phys. Rev. Lett. 107, 045902 (2011)]. *Physical Review Letters*, **2011**, 107,	7.4	3
375	Designing super selectivity in multivalent nano-particle binding. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 10963-8	11.5	212
374	Transdisciplinary EU science institute needs funds urgently. *Nature*, **2010**, 463, 876	50.4	14
373	Introduction: Role of Modeling in Soft Matter Physics. *Series in Sof Condensed Matter*, **2010**, 1-7		
372	Design principles for broad-spectrum protein-crystal nucleants with nanoscale pits. *Physical Review Letters*, **2010**, 105, 205501	7.4	43

371	Recent advances in the modelling and simulation of electrokinetic effects: bridging the gap between atomistic and macroscopic descriptions. *Physical Chemistry Chemical Physics*, **2010**, 12, 9566-80	3.6	68
370	Coarse-grained simulations of charge, current and flow in heterogeneous media. *Faraday Discussions*, **2010**, 144, 223-43; discussion 323-45, 467-81	3.6	45
369	Simulation study of micelle formation by bile salts. *Soft Matter*, **2010**, 6, 3815	3.6	37
368	Anomalous phase behavior of liquid–vapor phase transition in binary mixtures of DNA-coated particles. *Soft Matter*, **2010**, 6, 6136	3.6	24
367	Free-energy-based method for step size detection of processive molecular motors. *European Physical Journal E*, **2010**, 31, 411-7	1.5	3
366	Geometrical frustration: a study of four-dimensional hard spheres. *Physical Review E*, **2009**, 79, 030201	2.4	43
365	Field-induced self-assembly of suspended colloidal membranes. *Physical Review Letters*, **2009**, 103, 228301	7.4	118
364	Homogeneous bubble nucleation driven by local hot spots: a molecular dynamics study. *Journal of Physical Chemistry B*, **2009**, 113, 3776-84	3.4	78
363	Phase diagram of Hertzian spheres. *Journal of Chemical Physics*, **2009**, 131, 044514	3.9	102
362	Waterlike thermodynamic anomalies in a repulsive-shoulder potential system. *Physical Review E*, **2009**, 79, 051202	2.4	89
361	Protein shape and crowding drive domain formation and curvature in biological membranes. *Biophysical Journal*, **2008**, 94, 640-7	2.9	68
360	Quasibinary amorphous phase in a three-dimensional system of particles with repulsive-shoulder interactions. *Journal of Chemical Physics*, **2008**, 129, 064512	3.9	103
359	State-of-the-art models for the phase diagram of carbon and diamond nucleation. *Molecular Physics* , **2008**, 106, 2011-2038	1.7	55
358	Homogeneous nucleation under shear in a two-dimensional Ising model: cluster growth, coalescence, and breakup. *Journal of Chemical Physics*, **2008**, 129, 134704	3.9	52
357	Harvesting graphics power for MD simulations. *Molecular Simulation*, **2008**, 34, 259-266	2	127
356	Multiple occupancy crystals formed by purely repulsive soft particles. *Journal of Physics Condensed Matter*, **2008**, 20, 494245	1.8	55
355	Irreducible finite-size effects in the surface free energy of NaCl crystals from crystal-nucleation data. *Physical Review Letters*, **2008**, 100, 036103	7.4	32
354	Dispersion of charged tracers in charged porous media. *Europhysics Letters*, **2008**, 83, 34004	1.6	27

353	Two-step vapor-crystal nucleation close below triple point. *Journal of Chemical Physics*, **2008**, 129, 204505	3.9	77
352	Disordered flanks prevent peptide aggregation. *PLoS Computational Biology*, **2008**, 4, e1000241	5	42
351	Multi-scale simulations provide supporting evidence for the hypothesis of intramolecular protein translocation in GroEL/GroES complexes. *PLoS Computational Biology*, **2008**, 4, e1000006	5	8
350	Out-of-equilibrium processes in suspensions of oppositely charged colloids: liquid-to-crystal nucleation and gel formation. *Journal of Physics Condensed Matter*, **2008**, 20, 494247	1.8	23
349	Liquid-vapor transition driven by bond disorder. *Physical Review Letters*, **2008**, 101, 045701	7.4	18
348	Dynamical heterogeneity in a glass-forming ideal gas. *Physical Review E*, **2008**, 78, 011505	2.4	4
347	Comparison of simple perturbation-theory estimates for the liquid–solid and the liquid–vapor interfacial free energies of Lennard-Jones systems. *Molecular Simulation*, **2007**, 33, 1023-1028	2	7
346	Monte Carlo study of substrate-induced folding and refolding of lattice proteins. *Biophysical Journal*, **2007**, 92, 1150-6	2.9	19
345	Hard Convex Body Fluids. *Advances in Chemical Physics*, **2007**, 1-166		179
344	Evidence for out-of-equilibrium crystal nucleation in suspensions of oppositely charged colloids. *Physical Review Letters*, **2007**, 99, 055501	7.4	92
343	A finite-cluster phase in DNA-coated colloids. *Soft Matter*, **2007**, 3, 703-706	3.6	30
342	Unexpected relaxation dynamics of a self-avoiding polymer in cylindrical confinement. *Journal of Chemical Physics*, **2007**, 127, 164903	3.9	43
341	Computing stationary distributions in equilibrium and nonequilibrium systems with forward flux sampling. *Journal of Chemical Physics*, **2007**, 127, 114109	3.9	99
340	Gas-solid coexistence of adhesive spheres. *Journal of Chemical Physics*, **2007**, 126, 196101	3.9	27
339	Simple off-lattice model to study the folding and aggregation of peptides. *Molecular Physics*, **2007**, 105, 375-385	1.7	4
338	Local structure of liquid carbon controls diamond nucleation. *Physical Review Letters*, **2007**, 99, 055702	7.4	39
337	Phase coexistence of cluster crystals: beyond the Gibbs phase rule. *Physical Review Letters*, **2007**, 99, 235702	7.4	55
336	Lattice-based Monte Carlo method for telechelic chain molecules. *Physical Review E*, **2007**, 75, 036708	2.4	1

335	Molecular simulations of droplet coalescence in oil/water/surfactant systems. *Journal of Chemical Physics*, **2007**, 127, 134701	3.9	60
334	Application of the optimized Baxter model to the hard-core attractive Yukawa system. *Journal of Chemical Physics*, **2006**, 125, 194506	3.9	2
333	Materials science. Colloidal encounters: a matter of attraction. *Science*, **2006**, 314, 768-9	33.3	41
332	Designing ordered DNA-linked nanoparticle assemblies. *Journal of Physics Condensed Matter*, **2006**, 18, S567-S580	1.8	27
331	Forward flux sampling-type schemes for simulating rare events: efficiency analysis. *Journal of Chemical Physics*, **2006**, 124, 194111	3.9	169
330	Simulating rare events in equilibrium or nonequilibrium stochastic systems. *Journal of Chemical Physics*, **2006**, 124, 024102	3.9	280
329	Translocation boost protein-folding efficiency of double-barreled chaperonins. *Biophysical Journal*, **2006**, 90, 3375-81	2.9	14
328	Lattice-Boltzmann simulation of the sedimentation of charged disks. *Journal of Chemical Physics*, **2006**, 124, 124903	3.9	20
327	Effect of the coil-globule transition on the free-energy barrier for intrachain crystal nucleation. *Journal of Physical Chemistry B*, **2006**, 110, 3734-7	3.4	18
326	Lattice-Boltzmann Simulations of Ionic Current Modulation by DNA Translocation. *Journal of Chemical Theory and Computation*, **2006**, 2, 495-503	6.4	14
325	Waste-Recycling Monte Carlo **2006**, 127-137		14
324	Modeling the phase diagram of carbon. *Physical Review Letters*, **2005**, 94, 145701	7.4	103
323	Oriented primary crystal nucleation in lamellar diblock copolymer systems. *Faraday Discussions*, **2005**, 128, 253-60	3.6	26
322	Monte Carlo Sampling of a Markov Web. *Journal of Chemical Theory and Computation*, **2005**, 1, 389-93	6.4	28
321	Liquid carbon: structure near the freezing line. *Journal of Physics Condensed Matter*, **2005**, 17, S3619-S3628	2.8	12
320	Numerical Simulation of Crystal Nucleation in Colloids. *Advances in Polymer Science*, **2005**, 149-208	1.3	80
319	Length, protein–protein interactions, and complexity. *Physica A: Statistical Mechanics and Its Applications*, **2005**, 350, 52-62	3.3	11
318	Nucleation in suspensions of anisotropic colloids. *Computer Physics Communications*, **2005**, 169, 117-121	4.2	11

317	Mesoscopic lattice modeling of electrokinetic phenomena. *Computer Physics Communications*, **2005**, 169, 192-196	4.2	17
316	Stresses inside critical nuclei. *Journal of Physical Chemistry B*, **2005**, 109, 6587-94	3.4	15
315	Virtual-move parallel tempering. *ChemPhysChem*, **2005**, 6, 1779-83	3.2	49
314	Stretching the Frontiers: Exploring the Relationships Between Entrepreneurship and Ethics. *Journal of Business Ethics*, **2005**, 60, 207-209	4.3	46
313	Novel Monte Carlo scheme for systems with short-ranged interactions. *Journal of Chemical Physics*, **2005**, 122, 244106	3.9	15
312	Force barriers for membrane tube formation. *Physical Review Letters*, **2005**, 94, 068101	7.4	121
311	Simulation of colloidal crystallization on finite structured templates. *Physical Review E*, **2005**, 72, 041604	2.4	35
310	Structural arrest in an ideal gas. *Physical Review Letters*, **2005**, 94, 135703	7.4	22
309	Rate of homogeneous crystal nucleation in molten NaCl. *Journal of Chemical Physics*, **2005**, 122, 194501	3.9	135
308	Modeling flexible amphiphilic bilayers: a solvent-free off-lattice Monte Carlo study. *Journal of Chemical Physics*, **2005**, 122, 234711	3.9	60
307	Pore nucleation in mechanically stretched bilayer membranes. *Journal of Chemical Physics*, **2005**, 123, 154701	3.9	61
306	Monte Carlo study of hard pentagons. *Physical Review E*, **2005**, 71, 036138	2.4	72
305	Surface and bulk dissolution properties, and selectivity of DNA-linked nanoparticle assemblies. *Journal of Chemical Physics*, **2005**, 122, 214904	3.9	31
304	Homogeneous nucleation of colloidal melts under the influence of shearing fields. *Journal of Physics Condensed Matter*, **2004**, 16, S3873-S3884	1.8	27
303	Self-poisoning of crystal nuclei in hard-rod liquids. *Journal of Physics Condensed Matter*, **2004**, 16, S2029-S2036	1.8	13
302	Simulation study of intra- and intermicellar ordering in triblock-copolymer systems. *Journal of Chemical Physics*, **2004**, 120, 5839-48	3.9	16
301	Self-poisoning of crystal nuclei in hard-rod liquids. *Physical Review Letters*, **2004**, 92, 085505	7.4	49
300	Breakdown of classical nucleation theory near isostructural phase transitions. *Physical Review Letters*, **2004**, 93, 166105	7.4	44

299	Melting of polydisperse hard disks. *Physical Review E*, **2004**, 69, 066123	2.4	42
298	Phase behavior and selectivity of DNA-linked nanoparticle assemblies. *Physical Review Letters*, **2004**, 92, 068302	7.4	62
297	Crystal nucleation of colloidal suspensions under shear. *Physical Review Letters*, **2004**, 93, 068303	7.4	91
296	Designing specificity of protein-substrate interactions. *Physical Review E*, **2004**, 70, 051917	2.4	21
295	Large effect of polydispersity on defect concentrations in colloidal crystals. *Journal of Chemical Physics*, **2004**, 120, 6764-8	3.9	27
294	Cubatic phase for tetrapods. *Journal of Chemical Physics*, **2004**, 120, 5486-92	3.9	30
293	Onset of heterogeneous crystal nucleation in colloidal suspensions. *Nature*, **2004**, 428, 404-6	50.4	314
292	Multiple stalk formation as a pathway of defect-induced membrane fusion. *European Physical Journal E*, **2004**, 14, 3-6	1.5	6
291	High-pressure diamondlike liquid carbon. *Physical Review B*, **2004**, 69,	3.3	32
290	Quantitative prediction of crystal-nucleation rates for spherical colloids: a computational approach. *Annual Review of Physical Chemistry*, **2004**, 55, 333-61	15.7	131
289	Multiple Histogram Method and Static Monte Carlo Sampling. *Macromolecular Theory and Simulations*, **2004**, 13, 36-43	1.5	2
288	Speed-up of Monte Carlo simulations by sampling of rejected states. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 17571-5	11.5	78
287	Numerical prediction of absolute crystallization rates in hard-sphere colloids. *Journal of Chemical Physics*, **2004**, 120, 3015-29	3.9	266
286	Effect of Metastable Liquid□liquid Demixing on the Morphology of Nucleated Polymer Crystals. *Macromolecules*, **2004**, 37, 4336-4338	5.5	30
285	Free Energy and Structure of Dislocation Cores in Two-Dimensional Crystals□ *Journal of Physical Chemistry B*, **2004**, 108, 6707-6718	3.4	4
284	Discrete solution of the electrokinetic equations. *Journal of Chemical Physics*, **2004**, 121, 973-86	3.9	86
283	Phase diagram of the adhesive hard sphere fluid. *Journal of Chemical Physics*, **2004**, 121, 535-45	3.9	123
282	Simulating colloids with Baxter□s adhesive hard sphere model. *Journal of Physics Condensed Matter*, **2004**, 16, S4901-S4912	1.8	49

281	The steady state of heterogeneous catalysis, studied by first-principles statistical mechanics. *Physical Review Letters*, **2004**, 93, 116105	7.4	265
280	Dynamic pruned-enriched Rosenbluth method. *Molecular Physics*, **2003**, 101, 1675-1682	1.7	15
279	Sectorization of a Lamellar Polymer Crystal Studied by Dynamic Monte Carlo Simulations. *Macromolecules*, **2003**, 36, 549-552	5.5	31
278	Intramolecular Nucleation Model for Polymer Crystallization. *Macromolecules*, **2003**, 36, 8178-8183	5.5	98
277	Phase Transitions of Bulk Statistical Copolymers Studied by Dynamic Monte Carlo Simulations. *Macromolecules*, **2003**, 36, 2165-2175	5.5	42
276	Large difference in the elastic properties of fcc and hcp hard-sphere crystals. *Physical Review Letters*, **2003**, 90, 255501	7.4	48
275	Line tension controls wall-induced crystal nucleation in hard-sphere colloids. *Physical Review Letters* , **2003**, 91, 015703	7.4	132
274	Numerical calculation of the melting phase diagram of low molecular-weight polyethylene. *Journal of Chemical Physics*, **2003**, 118, 9433-9440	3.9	5
273	Continuous freezing in three dimensions. *Physical Review Letters*, **2003**, 90, 195701	7.4	12
272	Calculation of the melting point of NaCl by molecular simulation. *Journal of Chemical Physics*, **2003**, 118, 728-735	3.9	108
271	Competition of percolation and phase separation in a fluid of adhesive hard spheres. *Physical Review Letters*, **2003**, 90, 135702	7.4	122
270	Fluid–fluid coexistence in colloidal systems with short-ranged strongly directional attraction. *Journal of Chemical Physics*, **2003**, 118, 9882-9889	3.9	401
269	Free energy barrier to melting of single-chain polymer crystallite. *Journal of Chemical Physics*, **2003**, 118, 3455-3457	3.9	28
268	Velocity fluctuations and dispersion in a simple porous medium. *Physical Review E*, **2003**, 67, 056306	2.4	18
267	Phase behavior of a lattice protein model. *Journal of Chemical Physics*, **2003**, 118, 9015-9022	3.9	13
266	Solid–liquid interfacial free energy of small colloidal hard-sphere crystals. *Journal of Chemical Physics*, **2003**, 119, 7467-7470	3.9	41
265	Lattice-model study of the thermodynamic interplay of polymer crystallization and liquid–liquid demixing. *Journal of Chemical Physics*, **2003**, 118, 10343-10348	3.9	37
264	Phase behavior and crystallization kinetics of poly-12-hydroxystearic-coated polymethylmethacrylate colloids. *Physical Review E*, **2003**, 67, 020401	2.4	23

263	Designing refoldable model molecules. *Physical Review E*, **2003**, 68, 046703	2.4	32
262	Soft condensed matter. *Physica A: Statistical Mechanics and Its Applications*, **2002**, 313, 1-31	3.3	76
261	Computer simulation of the phase behavior of a model membrane protein: Annexin V. *Journal of Chemical Physics*, **2002**, 116, 7217-7224	3.9	5
260	The hard ellipsoid-of-revolution fluid I. Monte Carlo simulations. *Molecular Physics*, **2002**, 100, 201-217	1.7	12
259	Colloidal systems. Playing tricks with designer "atoms". *Science*, **2002**, 296, 65-6	33.3	88
258	Crystallization of weakly charged colloidal spheres: a numerical study. *Journal of Physics Condensed Matter*, **2002**, 14, 7667-7680	1.8	81
257	Density functional approach to helium at finite temperature. *Journal of Physics Condensed Matter*, **2002**, 14, 9077-9088	1.8	9
256	Monte Carlo Simulations **2002**, 23-61		324
255	Accelerating Monte Carlo Sampling **2002**, 389-408		316
254	Simulation of Shish-Kebab Crystallite Induced by a Single Prealigned Macromolecule. *Macromolecules*, **2002**, 35, 7172-7174	5.5	117
253	Free Energy Calculations **2002**, 167-200		15
252	Molecular Dynamics Simulations **2002**, 63-107		391
251	Modeling the Phase Behavior of the Membrane Binding Protein Annexin V. *Langmuir*, **2002**, 18, 2988-2992	4	5
250	Smectic filaments in colloidal suspensions of rods. *Physical Review E*, **2002**, 66, 041606	2.4	23
249	Response to Rotational velocity autocorrelation function of interacting Brownian particles *Physica A: Statistical Mechanics and Its Applications*, **2001**, 289, 419-421	3.3	2
248	Prediction of absolute crystal-nucleation rate in hard-sphere colloids. *Nature*, **2001**, 409, 1020-3	50.4	768
247	Suppression of crystal nucleation in polydisperse colloids due to increase of the surface free energy. *Nature*, **2001**, 413, 711-3	50.4	322
246	Phase behavior of a simple model for membrane proteins. *Journal of Chemical Physics*, **2001**, 114, 2477-2483	3.9	17

245	Lattice-Boltzmann method for the simulation of transport phenomena in charged colloids. *Physical Review E*, **2001**, 64, 061507	2.4	42
244	Dissipative particle dynamics for interacting systems. *Journal of Chemical Physics*, **2001**, 115, 5015-5026	3.9	247
243	Point Defects in Hard-Sphere Crystals *Journal of Physical Chemistry B*, **2001**, 105, 6722-6727	3.4	36
242	The effect of temperature jumps during polymer crystallization. *Polymer*, **2000**, 41, 1519-1528	3.9	7
241	Extended corresponding-states behavior for particles with variable range attractions. *Journal of Chemical Physics*, **2000**, 113, 2941-2944	3.9	353
240	Perspective on The effect of shape on the interaction of colloidal particles *Theoretical Chemistry Accounts*, **2000**, 103, 212-213	1.9	17
239	Perspective on Statistical mechanical theory of irreversible processes. I. General theory and simple applications to magnetic and conduction problems. *Theoretical Chemistry Accounts*, **2000**, 103, 234-235	1.9	
238	Phase behavior of model mixtures of colloidal disks and polymers. *Physical Review E*, **2000**, 62, 5225-9	2.4	27
237	Enhanced stability of layered phases in parallel hard spherocylinders due to addition of hard spheres. *Physical Review E*, **2000**, 62, 3925-33	2.4	99
236	Non-Ideal DPD Fluids. *Molecular Simulation*, **2000**, 25, 167-175	2	37
235	Phase behavior of two-dimensional hard rod fluids. *Journal of Chemical Physics*, **2000**, 112, 10034-10041	3.9	192
234	Influence of vacancies on the melting transition of hard disks in two dimensions. *Physical Review E*, **2000**, 61, 5223-7	2.4	36
233	Finite-size corrections to the free energies of crystalline solids. *Journal of Chemical Physics*, **2000**, 112, 5339-5342	3.9	183
232	Introduction to colloidal systems. *Scottish Graduate Series*, **2000**, 113-143		3
231	Perspective on The effect of shape on the interaction of colloidal particles **2000**, 212-213		
230	Phase Behavior of Lyotropic Liquid Crystals **2000**, 51-72		1
229	The role of long-range forces in the phase behavior of colloids and proteins. *Europhysics Letters*, **1999**, 48, 332-338	1.6	78
228	Kinetic Monte Carlo simulations of the growth of polymer crystals. *Journal of Chemical Physics*, **1999**, 110, 2692-2702	3.9	58

227	Do cylinders exhibit a cubatic phase?. *Journal of Chemical Physics*, **1999**, 110, 11652-11659	3.9	55
226	Nematic–isotropic transition in polydisperse systems of infinitely thin hard platelets. *Journal of Chemical Physics*, **1999**, 110, 6553-6559	3.9	135
225	Anisotropic density fluctuations in argon at different densities: Far infrared measurements and molecular dynamic calculations. *Journal of Chemical Physics*, **1999**, 67, 4243	3.9	32
224	Numerical calculation of the rate of homogeneous gas–liquid nucleation in a Lennard-Jones system. *Journal of Chemical Physics*, **1999**, 110, 1591-1599	3.9	84
223	Can stacking faults in hard-sphere crystals anneal out spontaneously?. *Journal of Chemical Physics*, **1999**, 110, 4589-4592	3.9	135
222	The mechanism of thickness selection in the Sadler-Gilmer model of polymer crystallization. *Journal of Chemical Physics*, **1999**, 110, 7073-7086	3.9	27
221	Short-time dynamics of colloidal suspensions in confined geometries. *Physical Review E*, **1999**, 59, 4458-4469	2.4	42
220	Optimal packing of polydisperse hard-sphere fluids. *Journal of Chemical Physics*, **1999**, 110, 5318-5324	3.9	27
219	Recoil growth algorithm for chain molecules with continuous interactions. *Molecular Physics*, **1999**, 97, 1243-1254	1.7	33
218	Entropy-driven phase transitions. *Physica A: Statistical Mechanics and Its Applications*, **1999**, 263, 26-38	3.3	161
217	Rotational diffusion in dense suspensions. *Physica A: Statistical Mechanics and Its Applications*, **1999**, 272, 376-391	3.3	32
216	Enhanced protein crystallization around the metastable critical point. *Theoretical Chemistry Accounts*, **1999**, 101, 205-208	1.9	19
215	Chain formation in homogeneous gas–liquid nucleation of polar fluids. *Journal of Chemical Physics*, **1999**, 111, 4762-4773	3.9	45
214	Numerical prediction of the melting curve of n-octane. *Journal of Chemical Physics*, **1999**, 111, 1501-1510	3.9	47
213	Recoil growth: An efficient simulation method for multi-polymer systems. *Journal of Chemical Physics*, **1999**, 110, 3220-3228	3.9	48
212	Homogeneous nucleation and the Ostwald step rule. *Physical Chemistry Chemical Physics*, **1999**, 1, 2191-2196	3.6	170
211	Non-Fickian diffusion in colloidal glasses. *Journal of Chemical Physics*, **1998**, 109, 275-280	3.9	3
210	Numerical study of gas–liquid nucleation in partially miscible binary mixtures. *Journal of Chemical Physics*, **1998**, 109, 9919-9927	3.9	30

209	Computer simulation study of gas–liquid nucleation in a Lennard-Jones system. *Journal of Chemical Physics*, **1998**, 109, 9901-9918	3.9	389
208	Crystallization of a polymer on a surface. *Journal of Chemical Physics*, **1998**, 109, 10033-10041	3.9	43
207	Coil-Globule Transition in Gas-Liquid Nucleation of Polar Fluids. *Physical Review Letters*, **1998**, 81, 3695-3698	7.4	56
206	Monte Carlo simulations **1998**,		1
205	Algebraic decay of velocity fluctuations near a wall. *Physical Review E*, **1998**, 58, 7288-7295	2.4	31
204	Infinitely thin disks exhibit a first order nematic-columnar phase transition. *Physical Review E*, **1998**, 57, 4824-4826	2.4	57
203	Mechanism of Thickness Determination in Polymer Crystals. *Physical Review Letters*, **1998**, 81, 2160-2163	7.4	43
202	Influence of polydispersity on the phase behavior of colloidal liquid crystals: A Monte Carlo simulation study. *Journal of Chemical Physics*, **1998**, 109, 6193-6199	3.9	118
201	Calculation of solid-fluid phase equilibria for systems of chain molecules. *Journal of Chemical Physics*, **1998**, 109, 318-328	3.9	42
200	The effect of chain stiffness on the phase behaviour of isolated homopolymers. *Journal of Chemical Physics*, **1998**, 108, 2134-2142	3.9	78
199	Self-consistent dissipative particle dynamics algorithm. *Europhysics Letters*, **1998**, 42, 377-382	1.6	152
198	Isostructural Solid-Solid Transition in Crystalline Systems with Short Ranged Interaction **1998**, 315-324		
197	Numerical study of the phase behavior of rodlike colloids with attractive interactions. *Journal of Chemical Physics*, **1997**, 107, 1551-1564	3.9	150
196	Comment on ''Novel Monte Carlo Approach to the Dynamics of Fluids: Single-Particle Diffusion, Correlation Functions, and Phase Ordering of Binary Fluids''. *Physical Review Letters*, **1997**, 79, 1168-1168	7.4	4
195	Algebraic Decay of Velocity Fluctuations in a Confined Fluid. *Physical Review Letters*, **1997**, 78, 3785-3788	7.4	76
194	First-order nematic-smectic phase transition for hard spherocylinders in the limit of infinite aspect ratio. *Physical Review E*, **1997**, 56, R6260-R6263	2.4	50
193	Phase behavior of colloid plus polydisperse polymer mixtures. *Physical Review E*, **1997**, 55, 1677-1681	2.4	36
192	Understanding Molecular Simulation. *Computers in Physics*, **1997**, 11, 351		621

191	Tracing the phase boundaries of hard spherocylinders. *Journal of Chemical Physics*, **1997**, 106, 666-687	3.9	624
190	Simulation of phase coexistence for complex molecules. *Computers in Physics*, **1997**, 11, 246		4
189	Isostructural solid - solid transitions in systems with a repulsive 'shoulder' potential. *Journal of Physics Condensed Matter*, **1997**, 9, 381-387	1.8	52
188	Structural, dynamical, electronic, and bonding properties of laser-heated silicon: An ab initio molecular-dynamics study. *Physical Review B*, **1997**, 56, 3806-3812	3.3	81
187	Efficient schemes to compute diffusive barrier crossing rates. *Molecular Physics*, **1997**, 90, 925-942	1.7	62
186	Demixing in hard ellipsoid rod-plate mixtures. *Journal of Chemical Physics*, **1997**, 106, 9270-9275	3.9	63
185	Enhancement of protein crystal nucleation by critical density fluctuations. *Science*, **1997**, 277, 1975-8	33.3	1131
184	Microscopic and mesoscopic simulation of entropic micelles. *Physica A: Statistical Mechanics and Its Applications*, **1997**, 244, 45-58	3.3	25
183	Entropy difference between crystal phases. *Nature*, **1997**, 388, 235-236	50.4	325
182	Deviations from Fick's law in Lorentz gases. *Journal of Statistical Physics*, **1997**, 87, 1229-1244	1.5	8
181	Simulating polymer liquid crystals. *Journal of Physics Condensed Matter*, **1996**, 8, 9445-9449	1.8	12
180	Hot electrons and the approach to metallic behaviour in K x (KCl) 1 x. *Europhysics Letters*, **1996**, 33, 551-556	1.6	10
179	Simulation of homogeneous crystal nucleation close to coexistence. *Faraday Discussions*, **1996**, 104, 93	3.6	128
178	Response to Comment on Long-time tails in angular momentum correlations [J. Chem. Phys. 104, 7363 (1996)]. *Journal of Chemical Physics*, **1996**, 104, 7364-7365	3.9	2
177	Numerical calculation of the rate of crystal nucleation in a Lennard-Jones system at moderate undercooling. *Journal of Chemical Physics*, **1996**, 104, 9932-9947	3.9	604
176	Depletion effects in binary hard-sphere fluids. *Journal of Physics Condensed Matter*, **1996**, 8, 10799-10821	1.8	181
175	Ab initio Molecular Dynamics Simulation of Laser Melting of Silicon. *Physical Review Letters*, **1996**, 77, 3149-3152	7.4	186
174	Liquid-like behavior in colloidal crystals. *Physica B: Condensed Matter*, **1996**, 228, 33-39	2.8	6

173	Do Hydrodynamic Dispersion Coefficients Exist?. *Physical Review Letters*, **1996**, 77, 4552-4555	7.4	60
172	Short-time dynamics of colloidal suspensions. *Physical Review E*, **1996**, 54, 2704-2713	2.4	14
171	Nonmetal-metal transition in metal-molten-salt solutions. *Physical Review B*, **1996**, 53, 12750-12760	3.3	26
170	Effect of Nutrient Diffusion and Flow on Coral Morphology. *Physical Review Letters*, **1996**, 77, 2328-2331	7.4	90
169	Phase separation in mixtures of a rodlike colloid and two or more rodlike polymers. *Journal of Chemical Physics*, **1996**, 105, 10632-10636	3.9	2
168	Liquid-Like Behavior in Solids. *Molecular Simulation*, **1996**, 16, 127-137	2	8
167	Solid-solid and liquid-solid phase equilibria for the restricted primitive model. *Molecular Physics*, **1996**, 87, 159-166	1.7	31
166	A Systematic Optimization Scheme for Configurational Bias Monte Carlo. *Molecular Simulation*, **1996**, 17, 41-55	2	10
165	Computer simulation of colloid-polymer mixtures. *Physica A: Statistical Mechanics and Its Applications*, **1995**, 213, 130-137	3.3	24
164	The super long-time decay of velocity fluctuations in a two-dimensional fluid. *Physica A: Statistical Mechanics and Its Applications*, **1995**, 220, 251-260	3.3	49
163	Simulation study of the isotropic-to-nematic transitions of semiflexible polymers. *Physical Review E*, **1995**, 51, 5891-5898	2.4	88
162	Transverse interlayer order in lyotropic smectic liquid crystals. *Physical Review E*, **1995**, 52, R1277-R1280	2.4	74
161	Long-time tails in angular momentum correlations. *Journal of Chemical Physics*, **1995**, 103, 1582-1587	3.9	57
160	Non-Boltzmann behavior from the Boltzmann equation. *Physical Review E*, **1995**, 51, 4287-4291	2.4	5
159	Numerical evidence for bcc ordering at the surface of a critical fcc nucleus. *Physical Review Letters*, **1995**, 75, 2714-2717	7.4	420
158	Computer simulations of long-time tails: What's new?. *Transport Theory and Statistical Physics*, **1995**, 24, 1227-1247		3
157	Ab initio calculation of the sound velocity of dense hydrogen: implications for models of Jupiter. *Science*, **1995**, 269, 1252-4	33.3	43
156	Dislocation unbinding in dense two-dimensional crystals. *Physical Review Letters*, **1995**, 74, 2519-2522	7.4	89

155	Numerical Techniques to Study Complex Liquids **1995**, 357-419		4
154	Long time tails in stress correlation functions **1995**, 240-249		2
153	The simulation of entropic phase transitions. *Journal of Physics Condensed Matter*, **1994**, 6, A71-A78	1.8	28
152	Constant-Pressure Monte Carlo Simulations for Lattice Models. *Europhysics Letters*, **1994**, 27, 549-554	1.6	20
151	The overlapping distribution method to compute chemical potentials of chain molecules. *Journal of Physics Condensed Matter*, **1994**, 6, 3879-3888	1.8	15
150	Colloids dispersed in polymer solutions. A computer simulation study. *Journal of Chemical Physics*, **1994**, 100, 6873-6887	3.9	263
149	Prediction of an expanded-to-condensed transition in colloidal crystals. *Physical Review Letters*, **1994**, 72, 2211-2214	7.4	175
148	Simulation study of a two-dimensional system of semiflexible polymers. *Physical Review E*, **1994**, 50, 349-357	2.4	24
147	Numerical test of the generalized Flory and generalized Flory dimer theories. *Journal of Chemical Physics*, **1994**, 100, 6088-6091	3.9	9
146	Evidence for entropy-driven demixing in hard-core fluids. *Physical Review Letters*, **1994**, 72, 298-300	7.4	106
145	Computation challenges in complex liquids: Entropy-driven phase transitions. *Future Generation Computer Systems*, **1994**, 10, 207-212	7.5	4
144	Ab initio molecular dynamics with excited electrons. *Physical Review Letters*, **1994**, 73, 2599-2602	7.4	213
143	Numerical study of the phase diagram of a mixture of spherical and rodlike colloids. *Journal of Chemical Physics*, **1994**, 101, 9869-9875	3.9	99
142	Phase separation in binary hard-core mixtures. *Journal of Chemical Physics*, **1994**, 101, 3179-3189	3.9	137
141	Determination of phase diagrams for the hard-core attractive Yukawa system. *Journal of Chemical Physics*, **1994**, 101, 4093-4097	3.9	383
140	Isostructural solid-solid transition in crystalline systems with short-ranged interaction. *Physical Review E*, **1994**, 50, 4880-4890	2.4	147
139	Simulating mesoscopic order. *Computational Materials Science*, **1994**, 2, 127-130	3.2	
138	Advanced Monte Carlo Techniques **1993**, 93-152		11

137	Free energy changes on freezing and melting ductile metals. *Molecular Physics*, **1993**, 80, 801-814	1.7	74
136	A computer simulation investigation into the stability of the AB 2 superlattice in a binary hard sphere system. *Molecular Physics*, **1993**, 80, 987-995	1.7	57
135	Order through disorder: entropy strikes back. *Physics World*, **1993**, 6, 24-25	0.5	26
134	Lattice-gas automata with attractive and repulsive interactions. *Physical Review E*, **1993**, 48, 988-999	2.4	16
133	Velocity correlations in a one-dimensional lattice gas: Theory and simulations. *Physical Review E*, **1993**, 47, 4098-4103	2.4	2
132	The stability of the AB 13 crystal in a binary hard sphere system. *Molecular Physics*, **1993**, 79, 105-120	1.7	94
131	Order through disorder: Entropy-driven phase transitions **1993**, 137-148		2
130	Monte Carlo simulations of a two-dimensional hard dimer system. *Physica A: Statistical Mechanics and Its Applications*, **1993**, 196, 519-545	3.3	42
129	Confinement free energy of semiflexible polymers. *Physica A: Statistical Mechanics and Its Applications*, **1993**, 193, 374-393	3.3	52
128	Entropy-driven formation of a superlattice in a hard-sphere binary mixture. *Nature*, **1993**, 365, 35-37	50.4	288
127	Does C60 have a liquid phase?. *Nature*, **1993**, 365, 425-426	50.4	251
126	Novel scheme to study structural and thermal properties of continuously deformable molecules. *Journal of Physics Condensed Matter*, **1992**, 4, 3053-3076	1.8	356
125	Velocity Autocorrelation Function in a Four-Dimensional Lattice Gas. *Europhysics Letters*, **1992**, 17, 39-43	1.6	7
124	Evidence for Universal Asymptotic Decay of Velocity Fluctuations in Lorentz Gases. *Europhysics Letters*, **1992**, 20, 7-12	1.6	13
123	Finite-size corrections to the chemical potential. *Journal of Physics Condensed Matter*, **1992**, 4, 679-691	1.8	44
122	Phase separation in binary hard-core mixtures: An exact result. *Physical Review Letters*, **1992**, 68, 3363-3365	7.4	97
121	Anomalous diffusion in the nematic phase of thin disks. *Physical Review A*, **1992**, 45, R5355-R5357	2.6	12
120	Grand-canonical simulations of solvated ideal fermions. Evidence for phase separation. *Journal of Chemical Physics*, **1992**, 97, 9249-9257	3.9	34

119	Unexpected length dependence of the solubility of chain molecules. *Molecular Physics*, **1992**, 75, 983-988	1.7	72
118	Comment on "Determination of the chemical potential of polymeric systems from Monte Carlo simulations". *Physical Review Letters*, **1992**, 68, 3657	7.4	14
117	Phase behavior of disklike hard-core mesogens. *Physical Review A*, **1992**, 45, 5632-5648	2.6	344
116	Computer simulation study of free energy barriers in crystal nucleation. *Journal of Chemical Physics*, **1992**, 96, 4655-4668	3.9	342
115	Elastic constants of hard and soft nematic liquid crystals. *The Journal of Physical Chemistry*, **1992**, 96, 3942-3948		34
114	Configurational bias Monte Carlo: a new sampling scheme for flexible chains. *Molecular Physics*, **1992**, 75, 59-70	1.7	912
113	Computer simulation studies of static and dynamical scaling in dilute solutions of excluded-volume polymers. *Macromolecules*, **1992**, 25, 3435-3438	5.5	14
112	Direct simulation of phase equilibria of chain molecules. *Journal of Physics Condensed Matter*, **1992**, 4, L255-L259	1.8	165
111	Simulation of Sub-molecular and Supra-molecular Fluids. *Springer Series in Solid-state Sciences*, **1992** , 111-129	0.4	
110	Study of Diffusion in Lattice-Gas Fluids and Colloids. *NATO ASI Series Series B: Physics*, **1992**, 205-220		1
109	Computer Simulations of Phase Transitions in Liquid Crystals. *NATO ASI Series Series B: Physics*, **1992** , 67-95		5
108	Novel scheme to compute chemical potentials of chain molecules on a lattice. *Molecular Physics*, **1991**, 74, 41-47	1.7	29
107	Simulation of sub-molecular and supra-molecular fluids. *Physica A: Statistical Mechanics and Its Applications*, **1991**, 176, 54-62	3.3	5
106	Tagged particle diffusion in 3d lattice gas cellular automata. *Physica D: Nonlinear Phenomena*, **1991**, 47, 191-197	3.3	24
105	Vapour-liquid equilibria of the hard core Yukawa fluid. *Molecular Physics*, **1991**, 74, 35-39	1.7	38
104	Nonperiodic solid phase in a two-dimensional hard-dimer system. *Physical Review Letters*, **1991**, 66, 3168-3171	7.4	91
103	Evidence for faster-than-t-1 decay of the velocity autocorrelation function in a 2D fluid. *Physical Review Letters*, **1991**, 66, 1591-1594	7.4	50
102	Computer simulation of polymer-induced clustering of colloids. *Physical Review Letters*, **1991**, 67, 1110-1113	7.4	126

101	Self-diffusion of colloidal particles in a two-dimensional suspension: Are deviations from Fick's law experimentally observable?. *Physical Review Letters*, **1991**, 67, 3459-3462	7.4	32
100	Extended mode coupling and simulations in cellular-automata fluids. *Physical Review A*, **1991**, 44, 2484-2494	2.6	19
99	Free energy calculations for solid solutions by computer simulations. *Molecular Physics*, **1991**, 72, 699-712	1.7	33
98	Calculation of ion scattering yields from simulated crystal surfaces: theory and application to melting and non-melting Al surfaces. *Surface Science*, **1991**, 256, 385-396	1.8	37
97	Thermodynamic properties of binary hard sphere mixtures. *Molecular Physics*, **1991**, 72, 715-733	1.7	43
96	On the anisotropy of diffusion in nematic liquid crystals: test of a modified affine transformation model via molecular dynamics. *Molecular Physics*, **1991**, 74, 765-774	1.7	86
95	Computer simulation of solid-liquid coexistence in binary hard sphere mixtures. *Molecular Physics*, **1991**, 72, 679-697	1.7	134
94	Vapor-liquid equilibria of the two-dimensional Lennard-Jones fluid(s). *Journal of Chemical Physics*, **1991**, 94, 5663-5668	3.9	130
93	Lecture Notes on: Free-Energy Calculations **1991**, 85-117		10
92	Melting line of Yukawa system by computer simulation. *Journal of Chemical Physics*, **1991**, 94, 2269-2271	3.9	209
91	Relative stability of columnar and crystalline phases in a system of parallel hard spherocylinders. *Physical Review A*, **1991**, 43, 4334-4343	2.6	84
90	From lattice gases to polymers. *Journal of Physics Condensed Matter*, **1990**, 2, SA265-SA269	1.8	12
89	Structure of the hard ellipsoid fluid. *Journal of Chemical Physics*, **1990**, 92, 3048-3057	3.9	43
88	Direct measurement of correlation functions in a lattice Lorentz gas. *Physical Review A*, **1990**, 42, 2463-2466	2.6	17
87	Dissipative hydrodynamic interactions via lattice-gas cellular automata. *Physics of Fluids A, Fluid Dynamics*, **1990**, 2, 1921-1924		24
86	Short-time correlations in liquids: Molecular-dynamics simulation of hard spheroids. *Physical Review Letters*, **1990**, 65, 2828-2831	7.4	16
85	Monte Carlo simulation of two-dimensional hard ellipses. *Physical Review A*, **1990**, 42, 2126-2136	2.6	127
84	Phase diagram of a system of hard spherocylinders by computer simulation. *Physical Review A*, **1990**, 41, 3237-3244	2.6	201

83	Location of melting point at 300 K of nitrogen by Monte Carlo simulation. *Journal of Chemical Physics*, **1990**, 92, 7570-7575	3.9	68
82	Effects of sound modes on the VACF in cellular automation fluids. *Lecture Notes in Physics*, **1990**, 29-38	0.8	
81	Long-time tails of the velocity autocorrelation function in two- and three-dimensional lattice-gas cellular automata: A test of mode-coupling theory. *Physical Review A*, **1990**, 41, 4277-4284	2.6	58
80	Surface-induced melting and freezing II. A semi-empirical Landau-type model. *Surface Science*, **1990**, 239, 282-300	1.8	162
79	Monte Carlo Simulations **1990**, 83-123		8
78	A Test of Mode-Coupling Theory. *NATO ASI Series Series B: Physics*, **1990**, 279-289		
77	Simulation of diffusion in a two-dimensional lattice-gas cellular automaton: A test of mode-coupling theory. *Physical Review Letters*, **1989**, 63, 2165-2168	7.4	79
76	Monte Carlo study of rod-like molecules. *Molecular Physics*, **1989**, 67, 633-650	1.7	26
75	Accuracy of Enskog theory for rotational versus translational motion: A molecular-dynamics study. *Physical Review A*, **1989**, 39, 4330-4332	2.6	19
74	Invited Lecture. Columnar ordering as an excluded-volume effect. *Liquid Crystals*, **1989**, 5, 929-940	2.3	94
73	Computation of partial enthalpies of various Lennard-Jones model mixtures by NPT molecular dynamics. *Journal of Physics Condensed Matter*, **1989**, 1, 957-963	1.8	6
72	Computer simulation of solid-liquid coexistence in binary hard-sphere mixtures. *Journal of Physics Condensed Matter*, **1989**, 1, 7735-7739	1.8	42
71	An explicit expression for finite-size corrections to the chemical potential. *Journal of Physics Condensed Matter*, **1989**, 1, 8659-8665	1.8	32
70	Computer simulation of crystal nucleation of parallel hard spherocylinders. *Physica A: Statistical Mechanics and Its Applications*, **1989**, 156, 599-612	3.3	3
69	Molecular dynamics simulation using hard particles. *Computer Physics Reports*, **1989**, 9, 301-353		100
68	Calculation of partial enthalpies of an argon-krypton mixture by NPT molecular dynamics. *Chemical Physics*, **1989**, 129, 213-224	2.3	54
67	Computer simulations in the Gibbs ensemble. *Molecular Physics*, **1989**, 68, 931-950	1.7	286
66	Calculation of the chemical potential in the Gibbs ensemble. *Molecular Physics*, **1989**, 68, 951-958	1.7	161

65	Role of long-range interactions in the melting of a metallic surface. *Physical Review B*, **1989**, 40, 1353-1356	3.5	110
64	Dynamics of Colloidal Dispersions via Lattice-Gas Models of an Incompressible Fluid. *Springer Proceedings in Physics*, **1989**, 242-245	0.2	1
63	Long-Time Decay of Velocity Autocorrelation Function of Two-Dimensional Lattice Gas Cellular Automata. *Springer Proceedings in Physics*, **1989**, 144-154	0.2	1
62	Thermodynamic stability of a smectic phase in a system of hard rods. *Nature*, **1988**, 332, 822-823	50.4	332
61	Structure of hard-core models for liquid crystals. *The Journal of Physical Chemistry*, **1988**, 92, 3280-3284		182
60	Discotic liquid crystals Physical parameters of some 2,3,7,8,12,13-hexa(alkanoyloxy)truxenes. Observation of a re-entrant isotropic phase in a pure disc-like mesogen. *Liquid Crystals*, **1988**, 3, 1087-1104	2.3	50
59	Simulation of the adhesive-hard-sphere model. *Molecular Physics*, **1988**, 64, 403-424	1.7	131
58	Observation of a re-entrant isotropic phase in a pure disc-like liquid crystal. *Liquid Crystals*, **1988**, 3, 149-152	2.3	25
57	Measurements of the ratio of the Frank constants for splay and bend in nematics consisting of disc-like molecules 2, 3, 6, 7, 10, 11-hexakis(p-alkoxybenzoyloxy)triphenylenes. *Liquid Crystals*, **1988**, 3, 369-380	2.3	8
56	Smectic ordering in nematic and smectic liquid-crystalline films probed by means of surface light scattering. *Physical Review A*, **1988**, 38, 6316-6323	2.6	13
55	Application of lattice-gas cellular automata to the Brownian motion of solids in suspension. *Physical Review Letters*, **1988**, 60, 975-978	7.4	53
54	Calculation of liquid-crystal Frank constants by computer simulation. *Physical Review A*, **1988**, 37, 1813-1816	2.6	87
53	Dynamics of the Frederiks transition in nematics consisting of disc-like molecules Thermal dependence of a bend viscosity coefficient. *Liquid Crystals*, **1988**, 3, 1105-1114	2.3	5
52	Dynamic light scattering near the isotropic-blue phase transition of cholesteryl-oleylcarbonate. *Liquid Crystals*, **1988**, 3, 337-345	2.3	3
51	Monte Carlo simulation of carrier number noise spectra in the integral quantum Hall regime. *Journal of Physics C: Solid State Physics*, **1988**, 21, L177-L183		1
50	Non-linear conductivity in morpholinium (TCNQ)2salts. *Journal of Physics C: Solid State Physics*, **1987**, 20, 2109-2117		3
49	Onsager's spherocylinders revisited. *The Journal of Physical Chemistry*, **1987**, 91, 4912-4916		129
48	Observation of dynamical precursors of the isotropic-nematic transition by computer simulation. *Physical Review Letters*, **1987**, 58, 1748-1750	7.4	63

47	Orientational order and solid-liquid coexistence in the two-dimensional Lennard-Jones system. *Physical Review B*, **1987**, 35, 6933-6939	3.3	25
46	Evidence for one-, two-, and three-dimensional order in a system of hard parallel spherocylinders. *Physical Review A*, **1987**, 36, 2929-2945	2.6	229
45	Computer simulation of pretransitional phenomena in hard-core models for liquid crystals **1987**, 143-170		
44	Diffusion of brownian particles in the isotropic phase of a nematic liquid crystal. *Liquid Crystals*, **1987**, 2, 539-547	2.3	18
43	Elastic constants of hard-sphere crystals. *Physical Review Letters*, **1987**, 59, 1169	7.4	61
42	Objections to Handel's quantum theory of 1/f noise. *Physical Review A*, **1987**, 35, 2750-2753	2.6	31
41	Computer simulation of hard-core models for liquid crystals. *Molecular Physics*, **1987**, 60, 1-20	1.7	149
40	Partial enthalpies and related quantities in mixtures from computer simulation. *Chemical Physics Letters*, **1987**, 136, 35-41	2.5	94
39	Computer simulation of hard-core models for liquid crystals. *Computer Physics Communications*, **1987**, 44, 243-253	4.2	5
38	Velocity auto-correlation functions in a 2d lattice Lorentz gas: Comparison of theory and computer simulation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1987**, 121, 385-389	2.3	27
37	Measurements of the ratio of the Frank constants for splay and bend in nematics of disc-like molecules. *Journal De Physique*, **1987**, 48, 319-324		30
36	Structure factors of polydisperse systems of hard spheres: A comparison of Monte Carlo simulations and Percus□evick theory. *Journal of Chemical Physics*, **1986**, 84, 4625-4630	3.9	106
35	Evidence for smectic order in a fluid of hard parallel spherocylinders. *Physical Review Letters*, **1986**, 57, 1452-1455	7.4	148
34	Stability of the high-pressure body-centered-cubic phase of helium. *Physical Review Letters*, **1986**, 56, 858-860	7.4	42
33	Stability of the High-Pressure Body-Centered-Cubic Phase of Helium. *Physical Review Letters*, **1986**, 57, 2331-2331	7.4	2
32	The hard ellipsoid-of-revolution fluid. *Molecular Physics*, **1985**, 55, 1193-1215	1.7	108
31	Approximate relation between the melting of hard spheres and ellipsoidal platelets and needles. *Molecular Physics*, **1985**, 54, 145-148	1.7	8
30	Light scattering study of the statistical properties of nematic director fluctuations. *Physica A: Statistical Mechanics and Its Applications*, **1985**, 131, 278-288	3.3	

29	Evidence for algebraic orientational order in a two-dimensional hard-core nematic. *Physical Review A*, **1985**, 31, 1776-1787	2.6	205
28	The hard ellipsoid-of-revolution fluid. *Molecular Physics*, **1985**, 55, 1171-1192	1.7	425
27	Phase Diagram of Hard Ellipsoids of Revolution. *Molecular Crystals and Liquid Crystals*, **1985**, 123, 119-128		32
26	Phase Diagram of a System of Hard Ellipsoids. *Physical Review Letters*, **1984**, 52, 287-290	7.4	262
25	Monte Carlo study of the isotropic and nematic phases of infinitely thin hard platelets. *Molecular Physics*, **1984**, 52, 1303-1334	1.7	576
24	New Monte Carlo method to compute the free energy of arbitrary solids. Application to the fcc and hcp phases of hard spheres. *Journal of Chemical Physics*, **1984**, 81, 3188-3193	3.9	945
23	Molecular dynamics study of the dynamical properties of an assembly of infinitely thin hard rods. *Molecular Physics*, **1983**, 49, 503-541	1.7	103
22	A Monte Carlo simulation study of the two-dimensional melting mechanism. *Journal of Chemical Physics*, **1983**, 78, 4206-4222	3.9	48
21	Monte Carlo Study of the Isotropic-Nematic Transition in a Fluid of Thin Hard Disks. *Physical Review Letters*, **1982**, 49, 1089-1092	7.4	136
20	Molecular Dynamics Study of Infinitely Thin Hard Rods: Scaling Behavior of Transport Properties. *Physical Review Letters*, **1981**, 47, 1025-1028	7.4	35
19	Molecular dynamics studies of orientational and collision-induced light scattering in molecular fluids. *Journal of Chemical Physics*, **1980**, 72, 2801-2818	3.9	220
18	Computer Simulations of Freezing and Supercooled Liquids. *Annual Review of Physical Chemistry*, **1980**, 31, 491-521	15.7	108
17	Evidence for an Orientationally Ordered Two-Dimensional Fluid Phase from Molecular-Dynamics Calculations. *Physical Review Letters*, **1979**, 42, 1632-1635	7.4	132
16	On the Raman spectrum of argon dimersa). *Journal of Chemical Physics*, **1979**, 70, 2695-2699	3.9	11
15	Experimental and calculated cross sections for pressure broadening of pure rotational Raman lines of HCl. *Chemical Physics Letters*, **1978**, 56, 602-607	2.5	16
14	Determination of potential energy surfaces for Ar–HCl and Kr–HCl from rotational linebroadening data. *Journal of Chemical Physics*, **1978**, 69, 4606-4616	3.9	37
13	Rotational Relaxation of Solute Molecules in Dense Noble Gases **1978**, 441-445		1
12	A far infrared study of the Ar–HCl van der Waals molecule. *Journal of Chemical Physics*, **1977**, 66, 1826-1829	3.9	24

11	Density dependence of the pressure induced shift of HCl rotational lines perturbed by argon. *Chemical Physics Letters*, **1977**, 50, 116-119	2.5	10
10	Non-linear density dependence of rotational line-broadening of HCl in dense argon. *Chemical Physics Letters*, **1976**, 40, 9-13	2.5	30
9	Molecular dynamics calculations on the time dependence of simple, anisotropic potentials in dense argon. *Chemical Physics Letters*, **1976**, 40, 14-18	2.5	16
8	Rotational diffusion model with a variable collision distribution. II. The effect of energy transfer. *Journal of Chemical Physics*, **1974**, 61, 4671-4679	3.9	12
7	Interpretation of far Infrared Spectra in Terms of a Collision Distribution **1974**, 647-653		1
6	Rotational Diffusion Model with a Variable Collision Distribution. *Journal of Chemical Physics*, **1972**, 57, 2691-2697	3.9	22
5	Interpretation of dipole correlation functions in some liquid systems. *Faraday Symposia of the Chemical Society*, **1972**, 6, 94		5
4	Polymer Crystallization Driven by Anisotropic Interactions1-35		135
3	Oligonucleotides can act as superscaffolds that enhance liquid-liquid phase separation of intracellular mixtures		5
2	Effect of social distancing on super-spreading diseases: why pandemics modelling is more challenging than molecular simulation. *Molecular Physics*,e1936247	1.7	
1	Modelling aggregates of cetyltrimethylammonium bromide on gold surfaces using dissipative particle dynamics simulations. *Molecular Simulation*,1-10	2	1