

# Christian Holm

## List of Publications by Citations

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293  
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316  
ext. papers

11,726  
ext. citations

3.7  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
293	ESPResSo: An extensible simulation package for research on soft matter systems. <i>Computer Physics Communications</i> , <b>2006</b> , 174, 704-727	4.2	544
292	How to mesh up Ewald sums. I. A theoretical and numerical comparison of various particle mesh routines. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7678-7693	3.9	493
291	Fraction of Condensed Counterions around a Charged Rod: Comparison of Poisson-Boltzmann Theory and Computer Simulations. <i>Macromolecules</i> , <b>2000</b> , 33, 199-206	5.5	251
290	How to mesh up Ewald sums. II. An accurate error estimate for the particle-particle-particle-mesh algorithm. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7694-7701	3.9	238
289	Force fields for studying the structure and dynamics of ionic liquids: a critical review of recent developments. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1625-37	3.2	218
288	Strongly Charged, Flexible Polyelectrolytes in Poor Solvents: [Molecular Dynamics Simulations] <i>Langmuir</i> , <b>1999</b> , 15, 4033-4044	4	207
287	The structure of ferrofluids: A status report. <i>Current Opinion in Colloid and Interface Science</i> , <b>2005</b> , 10, 133-140	7.6	191
286	Molecular dynamics study on the equilibrium magnetization properties and structure of ferrofluids. <i>Physical Review E</i> , <b>2002</b> , 66, 021405	2.4	184
285	Critical exponents of the classical three-dimensional Heisenberg model: A single-cluster Monte Carlo study. <i>Physical Review B</i> , <b>1993</b> , 48, 936-950	3.3	174
284	Electrostatics in periodic slab geometries. I. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 2496-2502	3.9	135
283	Polyelectrolyte Theory. <i>Advances in Polymer Science</i> , 67-111	1.3	133
282	Single-Chain Properties of Polyelectrolytes in Poor Solvent [ <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8041-8055	3.4	129
281	Strong attraction between charged spheres due to metastable ionized states. <i>Physical Review Letters</i> , <b>2000</b> , 85, 872-5	7.4	123
280	Osmotic coefficients of atomistic NaCl (aq) force fields. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 164509	3.9	122
279	Modeling the separation of macromolecules: a review of current computer simulation methods. <i>Electrophoresis</i> , <b>2009</b> , 30, 792-818	3.6	116
278	Structure and magnetic properties of polydisperse ferrofluids: a molecular dynamics study. <i>Physical Review E</i> , <b>2003</b> , 68, 041401	2.4	116
277	Overcharging of DNA in the Presence of Salt: Theory and Simulation. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 10983-10991	3.4	113

276	Electrophoresis of colloidal dispersions in the low-salt regime. <i>Physical Review Letters</i> , <b>2007</b> , 98, 176105	7.4	110
275	Magnetic properties of polydisperse ferrofluids: a critical comparison between experiment, theory, and computer simulation. <i>Physical Review E</i> , <b>2007</b> , 75, 061405	2.4	110
274	Ionic charge reduction and atomic partial charges from first-principles calculations of 1,3-dimethylimidazolium chloride. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 6150-5	3.4	109
273	Effect of anions on static orientational correlations, hydrogen bonds, and dynamics in ionic liquids: a simulational study. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 1743-51	3.4	105
272	Modeling multibody effects in ionic solutions with a concentration dependent dielectric permittivity. <i>Physical Review Letters</i> , <b>2006</b> , 96, 147801	7.4	104
271	ESPResSo 3.1: Molecular Dynamics Software for Coarse-Grained Models. <i>Lecture Notes in Computational Science and Engineering</i> , <b>2013</b> , 1-23	0.3	90
270	Overcharging: The crucial role of excluded volume. <i>Europhysics Letters</i> , <b>2002</b> , 60, 383-389	1.6	88
269	Estimate of the cutoff errors in the Ewald summation for dipolar systems. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 6351-6359	3.9	87
268	Ionic liquids studied across different scales: a computational perspective. <i>Faraday Discussions</i> , <b>2012</b> , 154, 111-32; discussion 189-220, 465-71	3.6	86
267	Structure of polyelectrolytes in poor solvent. <i>Europhysics Letters</i> , <b>2002</b> , 60, 566-572	1.6	85
266	Swelling of polyelectrolyte networks. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 154903	3.9	84
265	A comparative study of two classical force fields on statics and dynamics of [EMIM][BF <sub>4</sub> ] investigated via molecular dynamics simulations. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 224501	3.9	81
264	Locality and Fluctuations: Trends in Imidazolium-Based Ionic Liquids and Beyond. <i>Journal of Chemical Theory and Computation</i> , <b>2011</b> , 7, 3040-4	6.4	80
263	Optimizing working parameters of the smooth particle mesh Ewald algorithm in terms of accuracy and efficiency. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 034117	3.9	78
262	Importance of hydrodynamic shielding for the dynamic behavior of short polyelectrolyte chains. <i>Physical Review Letters</i> , <b>2008</b> , 100, 096104	7.4	75
261	Attraction and Ionic Correlations between Charged Stiff Polyelectrolytes. <i>Macromolecules</i> , <b>2003</b> , 36, 249-259	5.5	75
260	Ionic screening and dissociation are crucial for understanding chemical self-propulsion in polar solvents. <i>Soft Matter</i> , <b>2017</b> , 13, 1200-1222	3.6	74
259	Deformation mechanisms in 2D magnetic gels studied by computer simulations. <i>Soft Matter</i> , <b>2012</b> , 8, 9923	3.6	74

258	Polyelectrolyte Multilayering on a Charged Sphere. <i>Langmuir</i> , <b>2003</b> , 19, 4473-4482	4	71
257	Incorporation of excluded-volume correlations into Poisson-Boltzmann theory. <i>Physical Review E</i> , <b>2005</b> , 71, 061106	2.4	71
256	P3M algorithm for dipolar interactions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 234104	3.9	69
255	MMM2D: A fast and accurate summation method for electrostatic interactions in 2D slab geometries. <i>Computer Physics Communications</i> , <b>2002</b> , 148, 327-348	4.2	69
254	Electrophoretic mobility of a charged colloidal particle: a computer simulation study. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S4063-S4073	1.8	68
253	Comparison of a hydrogel model to the Poisson-Boltzmann cell model. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 094903	3.9	65
252	Electrostatics in periodic slab geometries. II. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 2503-2512	3.9	64
251	Strong electrostatic interactions in spherical colloidal systems. <i>Physical Review E</i> , <b>2001</b> , 64, 021405	2.4	63
250	A stable local density functional approach to ion-ion correlations. <i>Europhysics Letters</i> , <b>2000</b> , 52, 80-86	1.6	63
249	ESPResSo 4.0: An extensible software package for simulating soft matter systems. <i>European Physical Journal: Special Topics</i> , <b>2019</b> , 227, 1789-1816	2.3	62
248	Capacitance of Nanoporous Carbon-Based Supercapacitors Is a Trade-Off between the Concentration and the Separability of the Ions. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 4015-4021	6.4	62
247	An iterative, fast, linear-scaling method for computing induced charges on arbitrary dielectric boundaries. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 154112	3.9	61
246	Scaling in polyelectrolyte networks. <i>Europhysics Letters</i> , <b>2004</b> , 67, 786-792	1.6	60
245	Buckling of paramagnetic chains in soft gels. <i>Soft Matter</i> , <b>2016</b> , 12, 228-37	3.6	59
244	Ground state structures in ferrofluid monolayers. <i>Physical Review E</i> , <b>2009</b> , 80, 031404	2.4	59
243	End effects of strongly charged polyelectrolytes: A molecular dynamics study. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 9674-9682	3.9	59
242	Comparison of scalable fast methods for long-range interactions. <i>Physical Review E</i> , <b>2013</b> , 88, 063308	2.4	58
241	Polyelectrolytes in electric fields: measuring the dynamical effective charge and effective friction. <i>Soft Matter</i> , <b>2009</b> , 5, 2079	3.6	58

240	Modeling of Polyelectrolyte Gels in Equilibrium with Salt Solutions. <i>Macromolecules</i> , <b>2015</b> , 48, 7698-7708	3.5	57
239	Coarse-grained simulations of polyelectrolyte complexes: MARTINI models for poly(styrene sulfonate) and poly(diallyldimethylammonium). <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 243151	3.9	55
238	Concentration dependent effects of urea binding to poly(N-isopropylacrylamide) brushes: a combined experimental and numerical study. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 5324-35	3.6	54
237	Charge Me Slowly, I Am in a Hurry: Optimizing Charge-Discharge Cycles in Nanoporous Supercapacitors. <i>ACS Nano</i> , <b>2018</b> , 12, 9733-9741	16.7	54
236	Computer simulations of the structure of colloidal ferrofluids. <i>Physical Review E</i> , <b>2005</b> , 71, 061203	2.4	54
235	Attraction and unbinding of like-charged rods. <i>Europhysics Letters</i> , <b>2004</b> , 67, 130-136	1.6	52
234	Polymer architecture of magnetic gels: a review. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 063002	1.8	51
233	Understanding polyelectrolyte multilayers: an open challenge for simulations. <i>Soft Matter</i> , <b>2009</b> , 5, 4412	3.6	51
232	Electrophoretic mobility and charge inversion of a colloidal particle studied by single-colloid electrophoresis and molecular dynamics simulations. <i>Physical Review E</i> , <b>2013</b> , 87, 022302	2.4	50
231	Finite-size scaling study of the three-dimensional classical Heisenberg model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1993</b> , 173, 8-12	2.3	49
230	Complex tracer diffusion dynamics in polymer solutions. <i>Physical Review Letters</i> , <b>2013</b> , 111, 088301	7.4	48
229	The osmotic coefficient of rod-like polyelectrolytes: Computer simulation, analytical theory, and experiment. <i>European Physical Journal E</i> , <b>2001</b> , 5, 97-103	1.5	48
228	A refined polarizable water model for the coarse-grained MARTINI force field with long-range electrostatic interactions. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 054501	3.9	47
227	Microstructure analysis of monodisperse ferrofluid monolayers: theory and simulation. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 1883-95	3.6	47
226	Towards multiscale modeling of ionic liquids: From electronic structure to bulk properties. <i>Journal of Molecular Liquids</i> , <b>2010</b> , 152, 2-8	6	46
225	Effect of colloidal charge discretization in the primitive model. <i>European Physical Journal E</i> , <b>2001</b> , 4, 363-370	3.7	46
224	Mesoscopic simulations of the counterion-induced electro-osmotic flow: a comparative study. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 244702	3.9	45
223	Peptides in the presence of aqueous ionic liquids: tunable co-solutes as denaturants or protectants?. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 26049-53	3.6	44

222	Ferrofluids with shifted dipoles: ground state structures. <i>Soft Matter</i> , <b>2011</b> , 7, 5217	3.6	44
221	Conformational properties of poor solvent polyelectrolytes. <i>Computer Physics Communications</i> , <b>2002</b> , 147, 321-324	4.2	44
220	Applying the chain formation model to magnetic properties of aggregated ferrofluids. <i>Physical Review E</i> , <b>2004</b> , 69, 031206	2.4	43
219	The Swelling Behavior of Charged Hydrogels. <i>Macromolecular Symposia</i> , <b>2006</b> , 237, 90-107	0.8	42
218	Stiff-Chain Polyelectrolytes. <i>Advances in Polymer Science</i> , 1-27	1.3	42
217	Simulations of ionization equilibria in weak polyelectrolyte solutions and gels. <i>Soft Matter</i> , <b>2019</b> , 15, 1155-1185	3.6	41
216	Electrode Models for Ionic Liquid-Based Capacitors. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 22445-22451	3.5	41
215	Hydrogels in Poor Solvents: A Molecular Dynamics Study. <i>Macromolecular Theory and Simulations</i> , <b>2011</b> , 20, 721-734	1.5	41
214	Poly(styrenesulfonate)Poly(diallyldimethylammonium) Mixtures: Toward the Understanding of Polyelectrolyte Complexes and Multilayers via Atomistic Simulations. <i>Macromolecules</i> , <b>2010</b> , 43, 7828-7838	5.5	40
213	High-temperature series analyses of the classical Heisenberg and XY models. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1993</b> , 201, 581-592	3.3	40
212	Simulation of charge reversal in salty environments: giant overcharging?. <i>European Physical Journal E</i> , <b>2008</b> , 26, 191-5	1.5	39
211	Boundary condition effects in the simulation study of equilibrium properties of magnetic dipolar fluids. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 379-387	3.9	39
210	Ferrogels cross-linked by magnetic nanoparticles Deformation mechanisms in two and three dimensions studied by means of computer simulations. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 383, 262-266	2.8	38
209	Origin of current blockades in nanopore translocation experiments. <i>Physical Review Letters</i> , <b>2014</b> , 112, 018101	7.4	38
208	MMM1D: a method for calculating electrostatic interactions in one-dimensional periodic geometries. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 144103	3.9	37
207	Theory and simulations of rigid polyelectrolytes. <i>Molecular Physics</i> , <b>2002</b> , 100, 2941-2956	1.7	37
206	Microfluidic pumping by micromolar salt concentrations. <i>Soft Matter</i> , <b>2017</b> , 13, 1505-1518	3.6	36
205	Solvent effects of 1-ethyl-3-methylimidazolium acetate: solvation and dynamic behavior of polar and apolar solutes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 8480-90	3.6	36

204	Equilibrium properties of a bidisperse ferrofluid with chain aggregates: theory and computer simulations. <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, S2737-S2756	1.8	36
203	Tail-induced attraction between nucleosome core particles. <i>Physical Review E</i> , <b>2006</b> , 74, 031919	2.4	36
202	A novel method for calculating electrostatic interactions in 2D periodic slab geometries. <i>Chemical Physics Letters</i> , <b>2002</b> , 354, 324-330	2.5	36
201	Like-charge colloid-polyelectrolyte complexation. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 2947-2960	3.9	36
200	Ground state of two unlike charged colloids: An analogy with ionic bonding. <i>Europhysics Letters</i> , <b>2000</b> , 51, 461-467	1.6	36
199	The solvation and ion condensation properties for sulfonated polyelectrolytes in different solvents—computational study. <i>New Journal of Physics</i> , <b>2014</b> , 16, 025001	2.9	35
198	Efficient Algorithms for Electrostatic Interactions Including Dielectric Contrasts. <i>Entropy</i> , <b>2013</b> , 15, 4569-4588	2.5	35
197	Electrostatic properties of liquid 1,3-dimethylimidazolium chloride: role of local polarization and effect of the bulk. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1817-21	3.6	34
196	Electrostatic layer correction with image charges: a linear scaling method to treat slab 2D+h systems with dielectric interfaces. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 204102	3.9	34
195	Polyelectrolyte adsorption and multilayering on charged colloidal particles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 3557-3570	2.6	34
194	Monte Carlo study of topological defects in the 3D Heisenberg model. <i>Journal of Physics A</i> , <b>1994</b> , 27, 2553-2563		34
193	Machine-learned interatomic potentials by active learning: amorphous and liquid hafnium dioxide. <i>Npj Computational Materials</i> , <b>2020</b> , 6,	10.9	34
192	Cluster formation in systems of shifted-dipole particles. <i>Soft Matter</i> , <b>2013</b> , 9, 3535	3.6	32
191	How close to two dimensions does a Lennard-Jones system need to be to produce a hexatic phase?. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 054514	3.9	32
190	Study of 1,3-dimethylimidazolium chloride with electronic structure methods and force field approaches. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 174503	3.9	32
189	Shear effects on crystal nucleation in colloidal suspensions. <i>Physical Review E</i> , <b>2008</b> , 78, 031403	2.4	32
188	Finite-size polyelectrolyte bundles at thermodynamic equilibrium. <i>Europhysics Letters</i> , <b>2007</b> , 77, 16001	1.6	32
187	Local water dynamics around antifreeze protein residues in the presence of osmolytes: the importance of hydroxyl and disaccharide groups. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 11613-21	3.4	31

186	ICMMM2D: an accurate method to include planar dielectric interfaces via image charge summation. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 154723	3.9	31
185	The critical behaviour of Ising spins on 2D Regge lattices. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 335, 143-150	4.2	31
184	Simulation of weak polyelectrolytes: a comparison between the constant pH and the reaction ensemble method. <i>European Physical Journal: Special Topics</i> , <b>2017</b> , 226, 725-736	2.3	30
183	Generic force fields for ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 192, 32-37	6	30
182	Ferrogels cross-linked by magnetic particles: Field-driven deformation and elasticity studied using computer simulations. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 154901	3.9	30
181	The raspberry model for hydrodynamic interactions revisited. I. Periodic arrays of spheres and dumbbells. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 084107	3.9	30
180	Controlled DNA compaction within chromatin: The tail-bridging effect. <i>Europhysics Letters</i> , <b>2006</b> , 73, 135-141	1.6	30
179	Lattice-Boltzmann hydrodynamics of anisotropic active matter. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 134106	3.9	29
178	Importance of varying permittivity on the conductivity of polyelectrolyte solutions. <i>Physical Review Letters</i> , <b>2015</b> , 115, 118301	7.4	28
177	Atomistic Study of Surface Effects on Polyelectrolyte Adsorption: Case Study of a Poly(styrenesulfonate) Monolayer. <i>Macromolecules</i> , <b>2011</b> , 44, 1707-1718	5.5	28
176	Optimal cell approach to osmotic properties of finite stiff-chain polyelectrolytes. <i>Physical Review Letters</i> , <b>2006</b> , 96, 088302	7.4	28
175	A self-consistent mean-field model for polyelectrolyte gels. <i>Soft Matter</i> , <b>2017</b> , 13, 3264-3274	3.6	27
174	Diffusiophoretic self-propulsion for partially catalytic spherical colloids. <i>IEEE Transactions on Nanobioscience</i> , <b>2015</b> , 14, 272-88	3.4	27
173	Effects of the dipolar interaction on the equilibrium morphologies of a single supramolecular magnetic filament in bulk. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 044904	3.9	27
172	Influence of Charged Polymer Coatings on Electro-Osmotic Flow: Molecular Dynamics Simulations. <i>Macromolecules</i> , <b>2011</b> , 44, 9455-9463	5.5	27
171	Mesoscale modelling of polyelectrolyte electrophoresis. <i>Faraday Discussions</i> , <b>2010</b> , 144, 57-70; discussion 93-110, 467-81	3.6	27
170	How to analyse the structure factor in ferrofluids with strong magnetic interactions: a combined analytic and simulation approach. <i>Molecular Physics</i> , <b>2009</b> , 107, 571-590	1.7	27
169	Efficient Methods to Compute Long-Range Interactions for Soft Matter Systems 59-109		27



168	Simulational study of anomalous tracer diffusion in hydrogels. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 523-534	2.4	26
167	Aggregate formation in ferrofluid monolayers: simulations and theory. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 204125	1.8	26
166	Cell Model and Poisson-Boltzmann Theory: A Brief Introduction <b>2001</b> , 27-52		26
165	Properties of Apolar Solutes in Alkyl Imidazolium-Based Ionic Liquids: The Importance of Local Interactions. <i>ChemPhysChem</i> , <b>2016</b> , 17, 387-94	3.2	26
164	Electrolyte solvents for high voltage lithium ion batteries: ion correlation and specific anion effects in adiponitrile. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 25701-25715	3.6	26
163	Phase diagram for a single flexible Stockmayer polymer at zero field. <i>Soft Matter</i> , <b>2013</b> , 9, 7185	3.6	25
162	Simulation of electric double layers around charged colloids in aqueous solution of variable permittivity. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 064902	3.9	25
161	Colloidal electrophoresis: scaling analysis, Green-Kubo relation, and numerical results. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 404214	1.8	25
160	Dynamics in Stimuli-Responsive Poly(N-isopropylacrylamide) Hydrogel Layers As Revealed by Fluorescence Correlation Spectroscopy. <i>Macromolecules</i> , <b>2014</b> , 47, 5303-5312	5.5	24
159	The effect of finite pore length on ion structure and charging. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 104708	3.9	24
158	Behavior of bulky ferrofluids in the diluted low-coupling regime: theory and simulation. <i>Physical Review E</i> , <b>2010</b> , 81, 011501	2.4	24
157	Polyelectrolyte bundles. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S2135-S2144	1.8	24
156	Understanding the onset of oscillatory swimming in microchannels. <i>Soft Matter</i> , <b>2016</b> , 12, 4704-8	3.6	24
155	Properties of the polarizable MARTINI water model: A comparative study for aqueous electrolyte solutions. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 103-110	6	23
154	Mobility reversal of polyelectrolyte-grafted colloids in monovalent salt solutions. <i>Physical Review Letters</i> , <b>2014</b> , 113, 238301	7.4	23
153	Preferential solvation and ion association properties in aqueous dimethyl sulfoxide solutions. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 31312-31322	3.6	22
152	The Raspberry model for hydrodynamic interactions revisited. II. The effect of confinement. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 084108	3.9	22
151	Communication: Kinetic and pairing contributions in the dielectric spectra of electrolyte solutions. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 211101	3.9	22

150	Microstructure and magnetic properties of magnetic fluids consisting of shifted dipole particles under the influence of an external magnetic field. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 214901	3.9	22
149	Interlaced P3M algorithm with analytical and ik-differentiation. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 234103	3.9	22
148	Osmotic Coefficient Calculations for Dilute Solutions of Short Stiff-Chain Polyelectrolytes. <i>Macromolecules</i> , <b>2007</b> , 40, 731-738	5.5	22
147	Hyperspin manifolds. <i>International Journal of Theoretical Physics</i> , <b>1986</b> , 25, 441-463	1.1	22
146	How to speed up ion transport in nanopores. <i>Nature Communications</i> , <b>2020</b> , 11, 6085	17.4	22
145	Towards a scale-bridging description of ferrogels and magnetic elastomers. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 325105	1.8	21
144	Coarse-grained simulations of an ionic liquid-based capacitor: I. Density, ion size, and valency effects. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 284108	1.8	21
143	How to Convert SPME to P3M: Influence Functions and Error Estimates. <i>Journal of Chemical Theory and Computation</i> , <b>2012</b> , 8, 936-47	6.4	21
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