List of Publications by Year in descending order

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RENEVAN ROLL

#	Article	IF	CITATIONS
1	Ionic colloidal crystals of oppositely charged particles. Nature, 2005, 437, 235-240.	27.8	902
2	Phase diagram of highly asymmetric binary hard-sphere mixtures. Physical Review E, 1999, 59, 5744-5771.	2.1	447
3	Hierarchical self-assembly of suspended branched colloidal nanocrystals into superlattice structures. Nature Materials, 2011, 10, 872-876.	27.5	415
4	Low-Dimensional Semiconductor Superlattices Formed by Geometric Control over Nanocrystal Attachment. Nano Letters, 2013, 13, 2317-2323.	9.1	218
5	Van der Waals–Like Instability in Suspensions of Mutually Repelling Charged Colloids. Physical Review Letters, 1997, 79, 3082-3085.	7.8	208
6	Phase diagram of charge-stabilized colloidal suspensions: van der Waals instability without attractive forces. Physical Review E, 1999, 59, 2010-2025.	2.1	203
7	Phase Behavior and Structure of Binary Hard-Sphere Mixtures. Physical Review Letters, 1998, 81, 2268-2271.	7.8	200
8	The Electric Double Layer Has a Life of Its Own. Journal of Physical Chemistry C, 2014, 118, 18291-18298.	3.1	195
9	Phase diagram of colloidal hard superballs: from cubes via spheres to octahedra. Soft Matter, 2012, 8, 8826.	2.7	148
10	Direct Simulation of the Phase Behavior of Binary Hard-Sphere Mixtures: Test of the Depletion Potential Description. Physical Review Letters, 1999, 82, 117-120.	7.8	135
11	Wetting and capillary nematization of a hard-rod fluid: A simulation study. Physical Review E, 2001, 63, 051703.	2.1	132
12	Charge Fluctuations in Nanoscale Capacitors. Physical Review Letters, 2013, 111, 106102.	7.8	129
13	Heat-to-current conversion of low-grade heat from a thermocapacitive cycle by supercapacitors. Energy and Environmental Science, 2015, 8, 2396-2401.	30.8	126
14	Water-in-Water Emulsions Stabilized by Nanoplates. ACS Macro Letters, 2015, 4, 965-968.	4.8	122
15	Dense Regular Packings of Irregular Nonconvex Particles. Physical Review Letters, 2011, 107, 155501.	7.8	121
16	Analysis of electrolyte transport through charged nanopores. Physical Review E, 2016, 93, 053108.	2.1	119
17	Phase Diagram and Structural Diversity of a Family of Truncated Cubes: Degenerate Close-Packed Structures and Vacancy-Rich States. Physical Review Letters, 2013, 111, 015501.	7.8	115
18	Orientational wetting and capillary nematization of hard-rod fluids. Europhysics Letters, 2000, 49, 350-356.	2.0	110

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19	lsotropic-Nematic Interface and Wetting in Suspensions of Colloidal Platelets. Physical Review Letters, 2006, 97, 087801.	7.8	107
20	Capacitive Mixing for Harvesting the Free Energy of Solutions at Different Concentrations. Entropy, 2013, 15, 1388-1407.	2.2	106
21	Theory of Chain Association versus Liquid Condensation. Physical Review Letters, 1996, 76, 3348-3351.	7.8	105
22	The electric double layer at high surface potentials: The influence of excess ion polarizability. Europhysics Letters, 2012, 97, 28010.	2.0	105
23	Interfaces, wetting, and capillary nematization of a hard-rod fluid: Theory for the Zwanzig model. Journal of Chemical Physics, 2000, 113, 7689-7701.	3.0	93
24	Entropic Wetting and Many-Body Induced Layering in a Model Colloid-Polymer Mixture. Physical Review Letters, 2002, 89, 208303.	7.8	93
25	â€~Blue energy' from ion adsorption and electrode charging in sea and river water. Molecular Physics, 2011, 109, 1229-1241.	1.7	89
26	Effect of many-body interactions on the bulk and interfacial phase behavior of a model colloid-polymer mixture. Physical Review E, 2006, 73, 041404.	2.1	82
27	Prediction and Observation of Crystal Structures of Oppositely Charged Colloids. Physical Review Letters, 2006, 96, 138308.	7.8	81
28	Transverse interlayer order in lyotropic smectic liquid crystals. Physical Review E, 1995, 52, R1277-R1280.	2.1	79
29	Self-Assembly of Colloidal Hexagonal Bipyramid- and Bifrustum-Shaped ZnS Nanocrystals into Two-Dimensional Superstructures. Nano Letters, 2014, 14, 1032-1037.	9.1	78
30	lon partitioning at the oil–water interface as a source of tunable electrostatic effects in emulsions with colloids. Physical Chemistry Chemical Physics, 2007, 9, 6405.	2.8	77
31	Blessing and Curse: How a Supercapacitor's Large Capacitance Causes its Slow Charging. Physical Review Letters, 2020, 124, 076001.	7.8	76
32	Three-body forces between charged colloidal particles. Physical Review E, 2002, 66, 011402.	2.1	72
33	Chemical potential in active systems: predicting phase equilibrium from bulk equations of state?. New Journal of Physics, 2018, 20, 015003.	2.9	72
34	Translocation of DNA Molecules through Nanopores with Salt Gradients: The Role of Osmotic Flow. Physical Review Letters, 2011, 107, 068101.	7.8	70
35	Manipulating the self assembly of colloids in electric fields. European Physical Journal: Special Topics, 2013, 222, 2895-2909.	2.6	69
36	Phase behavior of binary mixtures of thick and thin hard rods. Physica A: Statistical Mechanics and Its Applications, 1998, 261, 374-390.	2.6	66

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37	Tuning the motility and directionality of self-propelled colloids. Scientific Reports, 2017, 7, 14891.	3.3	66
38	Self-Assembly of Cubes into 2D Hexagonal and Honeycomb Lattices by Hexapolar Capillary Interactions. Physical Review Letters, 2016, 116, 258001.	7.8	65
39	Demixing versus ordering in hard-rod mixtures. Physical Review E, 1996, 54, 6430-6440.	2.1	62
40	Entropic Torque. Physical Review Letters, 2002, 89, 088301.	7.8	62
41	Entropy-driven demixing in binary hard-core mixtures: From hard spherocylinders towards hard spheres. Physical Review E, 1997, 56, 5594-5602.	2.1	61
42	Boosting Capacitive Blue-Energy and Desalination Devices with Waste Heat. Physical Review Letters, 2014, 113, 268501.	7.8	61
43	Effective interactions, structure, and isothermal compressibility of colloidal suspensions. Journal of Chemical Physics, 2000, 113, 4799-4807.	3.0	60
44	Gas-liquid phase coexistence in colloidal suspensions?. Europhysics Letters, 2001, 55, 580-586.	2.0	60
45	Polydispersity Stabilizes Biaxial Nematic Liquid Crystals. Physical Review Letters, 2011, 107, 148303.	7.8	54
46	Extended sedimentation profiles in charged colloids: the gravitational length, entropy, and electrostatics. Journal of Physics Condensed Matter, 2005, 17, 2315-2326.	1.8	52
47	Liquid-Liquid Interfacial Tension of Electrolyte Solutions. Physical Review Letters, 2008, 101, 046104.	7.8	52
48	Crystal-structure prediction via the Floppy-Box Monte Carlo algorithm: Method and application to hard (non)convex particles. Journal of Chemical Physics, 2012, 137, 214101.	3.0	52
49	Cholesterics of colloidal helices: Predicting the macroscopic pitch from the particle shape and thermodynamic state. Journal of Chemical Physics, 2015, 142, 074905.	3.0	50
50	Self-Propulsion Mechanism of Active Janus Particles in Near-Critical Binary Mixtures. Physical Review Letters, 2015, 115, 188305.	7.8	48
51	Reversible Heating in Electric Double Layer Capacitors. Physical Review Letters, 2017, 118, 096001.	7.8	48
52	Defying gravity with entropy and electrostatics: sedimentation of charged colloids. Journal of Physics Condensed Matter, 2003, 15, S3569-S3580.	1.8	46
53	Interfacial tension and wetting in colloid–polymer mixtures. Journal of Chemical Physics, 2004, 120, 1973-1980.	3.0	46
54	Stringlike Clusters and Cooperative Interlayer Permeation in Smectic Liquid Crystals Formed by Colloidal Rods. Physical Review Letters, 2009, 103, 248304.	7.8	46

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55	Isotropic-nematic interfaces of hard-rod fluids. Journal of Physics Condensed Matter, 2001, 13, 4789-4800.	1.8	44
56	Charged Colloidal Particles and Small Mobile Ions near the Oil-Water Interface: Destruction of Colloidal Double Layer and Ionic Charge Separation. Physical Review Letters, 2007, 99, 178301.	7.8	44
57	Glassy Dynamics, Spinodal Fluctuations, and the Kinetic Limit of Nucleation in Suspensions of Colloidal Hard Rods. Physical Review Letters, 2010, 105, 088302.	7.8	44
58	Demixing in a hard rod-plate mixture. Journal De Physique II, 1994, 4, 1763-1769.	0.9	42
59	Self-Assembly of Octapod-Shaped Colloidal Nanocrystals into a Hexagonal Ballerina Network Embedded in a Thin Polymer Film. Nano Letters, 2014, 14, 1056-1063.	9.1	42
60	Effect of external electric fields on the phase behavior of colloidal silica rods. Soft Matter, 2014, 10, 6249-6255.	2.7	42
61	Density functional theory for chiral nematic liquid crystals. Physical Review E, 2014, 90, 020503.	2.1	42
62	Primitive model electrolytes in the near and far field: Decay lengths from DFT and simulations. Journal of Chemical Physics, 2021, 154, 124504.	3.0	42
63	Adsorption trajectories and free-energy separatrices for colloidal particles in contact with a liquid-liquid interface. Journal of Chemical Physics, 2010, 132, 164902.	3.0	41
64	Biaxial, Twist-bend, and Splay-bend Nematic Phases of Banana-shaped Particles Revealed by Lifting the "Smectic Blanket― Physical Review Letters, 2019, 123, 068001.	7.8	41
65	The isotropic and nematic liquid crystal phase of colloidal rods. European Journal of Physics, 2005, 26, S57-S67.	0.6	40
66	Absence of highâ€density consolute point in nematic hard rod mixtures. Journal of Chemical Physics, 1996, 105, 11237-11245.	3.0	39
67	Fundamental measure theory for the electric double layer: implications for blue-energy harvesting and water desalination. Journal of Physics Condensed Matter, 2015, 27, 194129.	1.8	39
68	Self-Diffusion of Particles in Complex Fluids: Temporary Cages and Permanent Barriers. Physical Review Letters, 2008, 101, 215901.	7.8	38
69	Rational design and dynamics of self-propelled colloidal bead chains: from rotators to flagella. Scientific Reports, 2017, 7, 16758.	3.3	37
70	Effective charges and virial pressure of concentrated macroion solutions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9242-9246.	7.1	36
71	Coulometry and Calorimetry of Electric Double Layer Formation in Porous Electrodes. Physical Review Letters, 2017, 119, 166002.	7.8	35
72	Macroscopic electric field and osmotic pressure in ultracentrifugal sedimentation–diffusion equilibria of charged colloids. Journal of Physics Condensed Matter, 2005, 17, 2293-2314.	1.8	34

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73	Volume terms for charged colloids: A grand-canonical treatment. Physical Review E, 2006, 73, 021403.	2.1	34
74	Interparticle torques suppress motility-induced phase separation for rodlike particles. Journal of Chemical Physics, 2019, 150, 164501.	3.0	34
75	Critical Casimir Forces and Colloidal Phase Transitions in a Near-Critical Solvent: A Simple Model Reveals a Rich Phase Diagram. Physical Review Letters, 2015, 114, 038301.	7.8	33
76	Vapour-liquid coexistence for purely repulsive point-Yukawa fluids. Journal of Physics Condensed Matter, 1998, 10, 1219-1228.	1.8	32
77	The equilibrium shape of fluid-fluid interfaces: Derivation and a new numerical method for Young's and Young-Laplace equations. Journal of Chemical Physics, 2014, 141, 244702.	3.0	32
78	Crystallization and reentrant melting of charged colloids in nonpolar solvents. Physical Review E, 2015, 91, 030301.	2.1	32
79	Dynamical and structural insights into the smectic phase of rod-like particles. Journal of Physics Condensed Matter, 2008, 20, 494213.	1.8	31
80	Polarizability and alignment of dielectric nanoparticles in an external electric field: Bowls, dumbbells, and cuboids. Journal of Chemical Physics, 2011, 135, 134105.	3.0	31
81	Sedimentation profiles of charged colloids: Entropic lift and charge separation. Europhysics Letters, 2004, 65, 719-725.	2.0	30
82	Nonlinear Screening and Gas-Liquid Separation in Suspensions of Charged Colloids. Physical Review Letters, 2006, 97, 258302.	7.8	30
83	lon association in low-polarity solvents: comparisons between theory, simulation, and experiment. Soft Matter, 2010, 6, 2793.	2.7	30
84	Phase equilibria in a model of low-salt suspensions of charged colloids. Journal of Physics Condensed Matter, 1999, 11, 10047-10060.	1.8	29
85	Collective diffusion of colloidal hard rods in smectic liquid crystals: Effect of particle anisotropy. Journal of Chemical Physics, 2010, 132, 224907.	3.0	29
86	Flow-Induced Surface Charge Heterogeneity in Electrokinetics due to Stern-Layer Conductance Coupled to Reaction Kinetics. Physical Review Letters, 2018, 120, 264502.	7.8	29
87	Isotropic-nematic interface in suspensions of hard rods: Mean-field properties and capillary waves. Physical Review E, 2006, 73, 061703.	2.1	28
88	Isotropic-to-nematic nucleation in suspensions of colloidal rods. Soft Matter, 2008, 4, 757.	2.7	28
89	Entropic Wetting and the Free Isotropicâ `Nematic Interface of Hard Colloidal Platelets. Journal of Physical Chemistry B, 2007, 111, 7825-7835.	2.6	27
90	The polydisperse cell model: Nonlinear screening and charge renormalization in colloidal mixtures. Journal of Chemical Physics, 2008, 128, 154906.	3.0	27

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91	Relaxation dynamics in the columnar liquid crystal phase of hard platelets. Soft Matter, 2011, 7, 3533.	2.7	27
92	Phase diagrams of colloidal spheres with a constant zeta-potential. Journal of Chemical Physics, 2011, 134, 074505.	3.0	27
93	Effect of three-body interactions on the phase behavior of charge-stabilized colloidal suspensions. Physical Review E, 2004, 69, 061407.	2.1	26
94	Triangular tessellation scheme for the adsorption free energy at the liquid-liquid interface: Towards nonconvex patterned colloids. Physical Review E, 2009, 80, 051405.	2.1	26
95	Inflation of the screening length induced by Bjerrum pairs. Journal of Physics Condensed Matter, 2009, 21, 424102.	1.8	26
96	Phase diagrams of binary mixtures of oppositely charged colloids. Journal of Chemical Physics, 2010, 133, 124501.	3.0	26
97	Phase Diagram and Effective Shape of Semiflexible Colloidal Rods and Biopolymers. Physical Review Letters, 2011, 106, 208302.	7.8	26
98	Self-consistent electric field-induced dipole interaction of colloidal spheres, cubes, rods, and dumbbells. Journal of Chemical Physics, 2014, 140, .	3.0	26
99	Phase behavior of a family of truncated hard cubes. Journal of Chemical Physics, 2015, 142, 054904.	3.0	26
100	Self-assembly of cubic colloidal particles at fluid–fluid interfaces by hexapolar capillary interactions. Soft Matter, 2018, 14, 42-60.	2.7	26
101	Charge regulation and ionic screening of patchy surfaces. Journal of Chemical Physics, 2011, 134, 054706.	3.0	25
102	Site-specific growth of polymers on silica rods. Soft Matter, 2014, 10, 9644-9650.	2.7	25
103	Are Antagonistic Salts Surfactants?. Langmuir, 2015, 31, 906-911.	3.5	25
104	Van't Hoff's law for active suspensions: the role of the solvent chemical potential. Soft Matter, 2017, 13, 8957-8963.	2.7	25
105	Hard Competition: Stabilizing the Elusive Biaxial Nematic Phase in Suspensions of Colloidal Particles with Extreme Lengths. Physical Review Letters, 2018, 120, 177801.	7.8	25
106	A Theoretical and Experimental Study to Optimize Cell Differentiation in a Novel Intestinal Chip. Frontiers in Bioengineering and Biotechnology, 2020, 8, 763.	4.1	25
107	Entropic wetting in colloidal suspensions. Journal of Physics Condensed Matter, 2005, 17, S3507-S3514.	1.8	24
108	Attraction or repulsion between charged colloids? A connection with Debye-Hückel theory. Journal of Physics Condensed Matter, 2000, 12, A263-A267.	1.8	22

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109	Sedimentation of binary mixtures of like- and oppositely charged colloids: the primitive model or effective pair potentials?. Journal of Physics Condensed Matter, 2006, 18, 825-836.	1.8	22
110	Tuning biaxiality of nematic phases of board-like colloids by an external magnetic field. Soft Matter, 2014, 10, 446-456.	2.7	22
111	Heterogeneous dynamics in columnar liquid crystals of parallel hard rods. Journal of Chemical Physics, 2010, 133, 154514.	3.0	20
112	The sediment of mixtures of charged colloids: Segregation and inhomogeneous electric fields. Europhysics Letters, 2005, 71, 480-486.	2.0	19
113	Electric-Field-Induced Lock-and-Key Interactions between Colloidal Spheres and Bowls. Chemistry of Materials, 2016, 28, 1040-1048.	6.7	19
114	Capacitance and Structure of Electric Double Layers: Comparing Brownian Dynamics and Classical Density Functional Theory. Journal of Solution Chemistry, 2022, 51, 296-319.	1.2	19
115	Liquid flow reversibly creates a macroscopic surface charge gradient. Nature Communications, 2021, 12, 4102.	12.8	19
116	Free planar isotropic-nematic interfaces in binary hard-rod fluids. Physical Review E, 2003, 68, 061703.	2.1	18
117	Isotropic-nematic transition in hard-rod fluids: Relation between continuous and restricted-orientation models. Physical Review E, 2004, 69, 041703.	2.1	18
118	Electrostatic interactions between Janus particles. Journal of Chemical Physics, 2012, 137, 104910.	3.0	18
119	A Landau-de Gennes theory for hard colloidal rods: Defects and tactoids. Journal of Chemical Physics, 2016, 144, 194901.	3.0	18
120	High-density scaling solution to the Onsager model of lyotropic nematics. Europhysics Letters, 1996, 34, 201-206.	2.0	17
121	Sedimentation of charged colloids: The primitive model and the effective one-component approach. Physical Review E, 2007, 75, 041405.	2.1	17
122	Free minimization of the fundamental measure theory functional: Freezing of parallel hard squares and cubes. Journal of Chemical Physics, 2012, 137, 124506.	3.0	17
123	Phase diagrams of charged colloidal rods: Can a uniaxial charge distribution break chiral symmetry?. Journal of Chemical Physics, 2016, 144, 094901.	3.0	17
124	Enhancing electrocatalytic <scp>N<sub>2</sub></scp> reduction via tailoring the electric double layers. AICHE Journal, 2022, 68, .	3.6	17
125	Effective shape and phase behavior of short charged rods. Physical Review E, 2009, 79, 041401.	2.1	16
126	Connectedness percolation of hard deformed rods. Journal of Chemical Physics, 2017, 147, 224904.	3.0	16

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127	The differential capacitance as a probe for the electric double layer structure and the electrolyte bulk composition. Journal of Chemical Physics, 2021, 155, 104702.	3.0	16
128	Microscopic Model for Cyclic Voltammetry of Porous Electrodes. Physical Review Letters, 2022, 128, .	7.8	16
129	Entropy-Driven Triple Point Wetting in Hard-Rod Mixtures. Physical Review Letters, 2002, 88, 205501.	7.8	15
130	Breakdown of the Yukawa model in de-ionized colloidal suspensions. Physical Review E, 2008, 77, 031402.	2.1	15
131	Depletion-induced biaxial nematic states of boardlike particles. Journal of Physics Condensed Matter, 2012, 24, 284128.	1.8	15
132	Orientational Order of Carbon Nanotube Guests in a Nematic Host Suspension of Colloidal Viral Rods. Physical Review Letters, 2012, 108, 247801.	7.8	15
133	Dense ionic fluids confined in planar capacitors: in- and out-of-plane structure from classical density functional theory. Journal of Physics Condensed Matter, 2016, 28, 244007.	1.8	15
134	Simulating the charging of cylindrical electrolyte-filled pores with the modified Poisson–Nernst–Planck equations. Journal of Chemical Physics, 2022, 156, .	3.0	15
135	Absence of anomalous underscreening in highly concentrated aqueous electrolytes confined between smooth silica surfaces. Journal of Colloid and Interface Science, 2022, 622, 819-827.	9.4	15
136	Hard colloidal rods near a soft wall: Wetting, drying, and symmetry breaking. Europhysics Letters, 2006, 74, 1039-1045.	2.0	14
137	Poisson-Boltzmann cell model for heterogeneously charged colloids. Physical Review E, 2009, 80, 041402.	2.1	14
138	Can nonadditive dispersion forces explain chain formation of nanoparticles?. Journal of Chemical Physics, 2013, 138, 104308.	3.0	14
139	Efficient shapes for microswimming: From three-body swimmers to helical flagella. Journal of Chemical Physics, 2017, 146, 084904.	3.0	14
140	Equilibrium configurations and capillary interactions of Janus dumbbells and spherocylinders at fluid–fluid interfaces. Soft Matter, 2019, 15, 2638-2647.	2.7	14
141	Monovalent – divalent cation competition at the muscovite mica surface: Experiment and theory. Journal of Colloid and Interface Science, 2020, 559, 291-303.	9.4	14
142	Universal motion of mirror-symmetric microparticles in confined Stokes flow. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21865-21872.	7.1	14
143	Coupled water, charge and salt transport in heterogeneous nano-fluidic systems. Soft Matter, 2020, 16, 1527-1537.	2.7	14
144	Machine-learning free-energy functionals using density profiles from simulations. APL Materials, 2021, 9, .	5.1	14

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145	Effect of triplet attractions on the phase diagram of suspensions of charged colloids. Journal of Physics Condensed Matter, 2003, 15, S3549-S3556.	1.8	13
146	Layering in sedimentation of suspensions of charged colloids: Simulation and theory. Physical Review E, 2006, 73, 061402.	2.1	13
147	Screening of heterogeneous surfaces: charge renormalization of Janus particles. Journal of Physics Condensed Matter, 2010, 22, 104104.	1.8	13
148	Computer simulations of the restricted primitive model at very low temperature and density. Journal of Physics Condensed Matter, 2010, 22, 104122.	1.8	13
149	Tuning Colloid-Interface Interactions by Salt Partitioning. Physical Review Letters, 2016, 117, 098002.	7.8	13
150	Sessile Nanodroplets on Elliptical Patches of Enhanced Lyophilicity. Langmuir, 2017, 33, 2744-2749.	3.5	13
151	Relaxation dynamics in fluids of platelike colloidal particles. Physical Review E, 2007, 76, 021405.	2.1	12
152	Stability of additive-free water-in-oil emulsions. Journal of Physics Condensed Matter, 2008, 20, 494238.	1.8	12
153	Communication: Bulkiness versus anisotropy: The optimal shape of polarizable Brownian nanoparticles for alignment in electric fields. Journal of Chemical Physics, 2012, 136, 131102.	3.0	12
154	Density-induced reentrant melting of colloidal Wigner crystals. Physical Chemistry Chemical Physics, 2016, 18, 5211-5218.	2.8	12
155	Classifying Crystals of Rounded Tetrahedra and Determining Their Order Parameters Using Dimensionality Reduction. ACS Nano, 2020, 14, 15144-15153.	14.6	12
156	Dynamic density functional theory for the charging of electric double layer capacitors. Journal of Chemical Physics, 2022, 156, 084101.	3.0	12
157	Electrostatics in liquids: From electrolytes and suspensions towards emulsions and patchy surfaces. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4317-4331.	2.6	11
158	The effects of shape and flexibility on bio-engineered fd-virus suspensions. Journal of Chemical Physics, 2011, 135, 144106.	3.0	11
159	Spontaneous charging and crystallization of water droplets in oil. Journal of Chemical Physics, 2008, 129, 194701.	3.0	10
160	Charge reversal of moisturous porous silica colloids by take-up of protons. Journal of Colloid and Interface Science, 2012, 385, 66-72.	9.4	10
161	Orientation of a dielectric rod near a planar electrode. Physical Chemistry Chemical Physics, 2014, 16, 22575-22582.	2.8	10
162	Critical Casimir interactions and colloidal self-assembly in near-critical solvents. Journal of Chemical Physics, 2016, 145, 084902.	3.0	10

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163	Interplay Between Adsorption and Hydrodynamics in Nanochannels: Towards Tunable Membranes. Physical Review Letters, 2017, 118, 014502.	7.8	10
164	Regiospecific Nucleation and Growth of Silane Coupling Agent Droplets onto Colloidal Particles. Journal of Physical Chemistry C, 2017, 121, 19989-19998.	3.1	10
165	Microphase Separation in Oil-Water Mixtures Containing Hydrophilic and Hydrophobic Ions. Physical Review Letters, 2017, 119, 218001.	7.8	10
166	Finite thickness and charge relaxation in double-layer interactions. Journal of Colloid and Interface Science, 2006, 301, 176-183.	9.4	9
167	Theory of the isotropic-nematic transition in dispersions of compressible rods. Physical Review E, 2006, 74, 021710.	2.1	9
168	Curvature dependence of the electrolytic liquid-liquid interfacial tension. Journal of Chemical Physics, 2009, 130, 024703.	3.0	9
169	Sedimentation stacking diagrams of binary mixtures of thick and thin hard rods. Soft Matter, 2016, 12, 5684-5692.	2.7	9
170	Nematic ordering of polarizable colloidal rods in an external electric field: theory and experiment. Physical Chemistry Chemical Physics, 2015, 17, 22423-22430.	2.8	8
171	Solvo-osmotic flow in electrolytic mixtures. Journal of Fluid Mechanics, 2017, 819, .	3.4	8
172	Connectedness percolation of hard convex polygonal rods and platelets. Journal of Chemical Physics, 2018, 149, 054902.	3.0	8
173	Ratchet-induced variations in bulk states of an active ideal gas. Journal of Chemical Physics, 2018, 149, 174910.	3.0	8
174	The effect of flexibility and bend angle on the phase diagram of hard colloidal boomerangs. Molecular Physics, 2018, 116, 2812-2822.	1.7	8
175	Dynamic Stern layers in charge-regulating electrokinetic systems: three regimes from an analytical approach. European Physical Journal: Special Topics, 2019, 227, 2539-2557.	2.6	8
176	Anomalous system-size dependence of electrolytic cells with an electrified oil–water interface. Physical Chemistry Chemical Physics, 2015, 17, 25100-25108.	2.8	7
177	Alternating strings and clusters in suspensions of charged colloids. Soft Matter, 2016, 12, 6610-6620.	2.7	7
178	Harvesting vibrational energy with liquid-bridged electrodes: thermodynamics in mechanically and electrically driven RC-circuits. RSC Advances, 2016, 6, 20485-20491.	3.6	7
179	Colloid–oil–water-interface interactions in the presence of multiple salts: charge regulation and dynamics. Physical Chemistry Chemical Physics, 2017, 19, 14345-14357.	2.8	7
180	Effective interactions between charged colloidal particles : Repulsion, attraction and phase separation. European Physical Journal Special Topics, 2000, 10, Pr5-27-Pr5-38.	0.2	6

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181	Phase behaviour of colloids suspended in a near-critical solvent: a mean-field approach. Molecular Physics, 2015, 113, 2546-2555.	1.7	6
182	Calculating the motion of highly confined, arbitrary-shaped particles in Hele–Shaw channels. Microfluidics and Nanofluidics, 2018, 22, 77.	2.2	6
183	A Landau–de Gennes theory for twist-bend and splay-bend nematic phases of colloidal suspensions of bent rods. Journal of Chemical Physics, 2020, 152, 224502.	3.0	6
184	Chains of cubic colloids at fluid–fluid interfaces. Soft Matter, 2021, 17, 965-975.	2.7	6
185	Phase behavior and interfacial properties of nonadditive mixtures of Onsager rods. Journal of Chemical Physics, 2005, 122, 094912.	3.0	5
186	Phase behaviour of polarizable colloidal hard rods in an external electric field: A simulation study. Journal of Chemical Physics, 2014, 141, 154903.	3.0	5
187	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.	7.8	4
188	Publisher's Note: Nonequilibrium steady states in fluids of platelike colloidal particles [Phys. Rev. E <b>77</b> , 021401 (2008)]. Physical Review E, 2008, 77, .	2.1	3
189	Nonequilibrium steady states in fluids of platelike colloidal particles. Physical Review E, 2008, 77, 021401.	2.1	3
190	Reversible emulsification controlled by ionic surfactants and responsive nanoparticles. Soft Matter, 2011, 7, 11093.	2.7	3
191	Steering particles by breaking symmetries. Journal of Physics Condensed Matter, 2018, 30, 224002.	1.8	3
192	Finite-Thickness-Enhanced Attractions for Oppositely Charged Membranes and Colloidal Platelets. Langmuir, 2008, 24, 1110-1119.	3.5	2
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