H N W Lekkerkerker

List of Publications by Year
in descending order

25 papers	3,330 citations	430874 18 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2135 citing authors

#	Article	IF	Citations
1	Phase separation in mixed suspensions of bacteria and nonadsorbing polymers. Journal of Chemical Physics, 2021, 154, 151101.	3.0	7
2	Convectively Assembled Monolayers of Colloidal Cubes: Evidence of Optimal Packings. Langmuir, 2019, 35, 4946-4955.	3.5	18
3	Entropic patchiness drives multi-phase coexistence in discotic colloidâ€“depletant mixtures. Scientific Reports, 2017, 7, 17058.	3.3	10
4	Phase behaviour of lyotropic liquid crystals in external fields and confinement. European Physical Journal: Special Topics, 2013, 222, 3053-3069.	2.6	34
5	Liquid crystal phase transitions in suspensions of mineral colloids: new life from old roots. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120263.	3.4	113
6	Direct observation of columnar liquid crystal droplets. Soft Matter, 2012, 8, 4865.	2.7	14
7	Life at ultralow interfacial tension: wetting, waves and droplets in demixed colloid-polymer mixtures. European Physical Journal B, 2008, 64, 341-347.	1.5	26
8	Orientation dependent Stokes drag in a colloidal liquid crystal. Soft Matter, 2008, 4, 1602.	2.7	14
9	Columnar liquid crystals of gibbsite platelets as templates for the generation of ordered silica structures. Journal of Materials Chemistry, 2008, 18, 3004.	6.7	11
10	Structure of the repulsive gel/glass in suspensions of charged colloidal platelets. Journal of Physics Condensed Matter, 2008, 20, 494201.	1.8	17
11	Influence of a magnetic field on the nematic phase of hard colloidal platelets. Physical Review E, 2008, 77, 031708.	2.1	55
12	Polymer Density around a Sphere. Macromolecules, 2002, 35, 3312-3313.	4.8	16
13	Direct observation of crystallization and aggregation in a phase-separating colloid-polymer suspension. Physical Review E, 2001, 64, 021407.	2.1	115
14	Isotropic-nematic phase separation in asymmetrical rod-plate mixtures. Journal of Chemical Physics, 2001, 115, 7319-7329.	3.0	57
15	Predicting the gasâ€“liquid critical point from the second virial coefficient. Journal of Chemical Physics, 2000, 112, 5364-5369.	3.0	241
16	Tunable Attractions Directing Nonequilibrium States in Dispersions of Hard Rods. Macromolecules, 2000, 33, 5532-5535.	4.8	23
17	Phase behavior of colloidal rod-sphere mixtures. Journal of Chemical Physics, 1999, 111, 4153-4157.	3.0	97
18	Long-time translational self-diffusion in isotropic and nematic dispersions of colloidal rods. Physical Review E, 1998, 58, 7668-7677.	2.1	55

#	Article	IF	Citations
19	Relation between the Size of Lamellar Droplets in Onion Phases and Their Effective Surface Tension. Langmuir, 1996, 12, 3127-3130.	3.5	47
20	Phase behaviour of rod-like colloid+flexible polymer mixtures. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1994, 16, 949-962.	0.4	99
21	Isotropic-nematic phase separation of a dispersion of organophilic boehmite rods. The Journal of Physical Chemistry, 1993, 97, 11510-11516.	2.9	154
22	Theory of the isotropic-nematic-nematic phase separation for a solution of bidisperse rodlike particles. The Journal of Physical Chemistry, 1993, 97, 3601-3605.	2.9	127
23	Phase transitions in lyotropic colloidal and polymer liquid crystals. Reports on Progress in Physics, 1992, 55, 1241-1309.	20.1	726
24	Phase Behaviour of Colloid + Polymer Mixtures. Europhysics Letters, 1992, 20, 559-564.	2.0	900
25	Thermodynamic stability of a smectic phase in a system of hard rods. Nature, 1988, 332, 822-823.	27.8	354