

H N W Lekkerkerker

List of Publications by Year in descending order

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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 Behaviour of Colloid + Polymer Mixtures. Europhysics Letters, 1992, 20, 559-564.	2.0	900
2	Phase transitions in lyotropic colloidal and polymer liquid crystals. Reports on Progress in Physics, 1992, 55, 1241-1309.	20.1	726
3	Thermodynamic stability of a smectic phase in a system of hard rods. Nature, 1988, 332, 822-823.	27.8	354
4	Predicting the gas-liquid critical point from the second virial coefficient. Journal of Chemical Physics, 2000, 112, 5364-5369.	3.0	241
5	Isotropic-nematic phase separation of a dispersion of organophilic boehmite rods. The Journal of Physical Chemistry, 1993, 97, 11510-11516.	2.9	154
6	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
7	Direct observation of crystallization and aggregation in a phase-separating colloid-polymer suspension. Physical Review E, 2001, 64, 021407.	2.1	115
8	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
9	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
10	Phase behavior of colloidal rod-sphere mixtures. Journal of Chemical Physics, 1999, 111, 4153-4157.	3.0	97
11	Isotropic-nematic phase separation in asymmetrical rod-plate mixtures. Journal of Chemical Physics, 2001, 115, 7319-7329.	3.0	57
12	Long-time translational self-diffusion in isotropic and nematic dispersions of colloidal rods. Physical Review E, 1998, 58, 7668-7677.	2.1	55
13	Influence of a magnetic field on the nematic phase of hard colloidal platelets. Physical Review E, 2008, 77, 031708.	2.1	55
14	Relation between the Size of Lamellar Droplets in Onion Phases and Their Effective Surface Tension. Langmuir, 1996, 12, 3127-3130.	3.5	47
15	Phase behaviour of lyotropic liquid crystals in external fields and confinement. European Physical Journal: Special Topics, 2013, 222, 3053-3069.	2.6	34
16	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
17	Tunable Attractions Directing Nonequilibrium States in Dispersions of Hard Rods. Macromolecules, 2000, 33, 5532-5535.	4.8	23
18	Convectively Assembled Monolayers of Colloidal Cubes: Evidence of Optimal Packings. Langmuir, 2019, 35, 4946-4955.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Structure of the repulsive gel/glass in suspensions of charged colloidal platelets. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 494201.	1.8	17
20	Polymer Density around a Sphere. <i>Macromolecules</i> , 2002, 35, 3312-3313.	4.8	16
21	Orientation dependent Stokes drag in a colloidal liquid crystal. <i>Soft Matter</i> , 2008, 4, 1602.	2.7	14
22	Direct observation of columnar liquid crystal droplets. <i>Soft Matter</i> , 2012, 8, 4865.	2.7	14
23	Columnar liquid crystals of gibbsite platelets as templates for the generation of ordered silica structures. <i>Journal of Materials Chemistry</i> , 2008, 18, 3004.	6.7	11
24	Entropic patchiness drives multi-phase coexistence in discotic colloid-depletant mixtures. <i>Scientific Reports</i> , 2017, 7, 17058.	3.3	10
25	Phase separation in mixed suspensions of bacteria and nonadsorbing polymers. <i>Journal of Chemical Physics</i> , 2021, 154, 151101.	3.0	7