

H N W Lekkerkerker

List of Publications by Year in descending order

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25
papers

3,330
citations

430442

18
h-index

580395

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. <i>Europhysics Letters</i> , 1992, 20, 559-564.	0.7	900
2	Phase transitions in lyotropic colloidal and polymer liquid crystals. <i>Reports on Progress in Physics</i> , 1992, 55, 1241-1309.	8.1	726
3	Thermodynamic stability of a smectic phase in a system of hard rods. <i>Nature</i> , 1988, 332, 822-823.	13.7	354
4	Predicting the gas-liquid critical point from the second virial coefficient. <i>Journal of Chemical Physics</i> , 2000, 112, 5364-5369.	1.2	241
5	Isotropic-nematic phase separation of a dispersion of organophilic boehmite rods. <i>The Journal of Physical Chemistry</i> , 1993, 97, 11510-11516.	2.9	154
6	Theory of the isotropic-nematic-nematic phase separation for a solution of bidisperse rodlike particles. <i>The Journal of Physical Chemistry</i> , 1993, 97, 3601-3605.	2.9	127
7	Direct observation of crystallization and aggregation in a phase-separating colloid-polymer suspension. <i>Physical Review E</i> , 2001, 64, 021407.	0.8	115
8	Liquid crystal phase transitions in suspensions of mineral colloids: new life from old roots. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120263.	1.6	113
9	Phase behaviour of rod-like colloid+flexible polymer mixtures. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 949-962.	0.4	99
10	Phase behavior of colloidal rod-sphere mixtures. <i>Journal of Chemical Physics</i> , 1999, 111, 4153-4157.	1.2	97
11	Isotropic-nematic phase separation in asymmetrical rod-plate mixtures. <i>Journal of Chemical Physics</i> , 2001, 115, 7319-7329.	1.2	57
12	Long-time translational self-diffusion in isotropic and nematic dispersions of colloidal rods. <i>Physical Review E</i> , 1998, 58, 7668-7677.	0.8	55
13	Influence of a magnetic field on the nematic phase of hard colloidal platelets. <i>Physical Review E</i> , 2008, 77, 031708.	0.8	55
14	Relation between the Size of Lamellar Droplets in Onion Phases and Their Effective Surface Tension. <i>Langmuir</i> , 1996, 12, 3127-3130.	1.6	47
15	Phase behaviour of lyotropic liquid crystals in external fields and confinement. <i>European Physical Journal: Special Topics</i> , 2013, 222, 3053-3069.	1.2	34
16	Life at ultralow interfacial tension: wetting, waves and droplets in demixed colloid-polymer mixtures. <i>European Physical Journal B</i> , 2008, 64, 341-347.	0.6	26
17	Tunable Attractions Directing Nonequilibrium States in Dispersions of Hard Rods. <i>Macromolecules</i> , 2000, 33, 5532-5535.	2.2	23
18	Convectively Assembled Monolayers of Colloidal Cubes: Evidence of Optimal Packings. <i>Langmuir</i> , 2019, 35, 4946-4955.	1.6	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.	0.7	17
20	Polymer Density around a Sphere. <i>Macromolecules</i> , 2002, 35, 3312-3313.	2.2	16
21	Orientation dependent Stokes drag in a colloidal liquid crystal. <i>Soft Matter</i> , 2008, 4, 1602.	1.2	14
22	Direct observation of columnar liquid crystal droplets. <i>Soft Matter</i> , 2012, 8, 4865.	1.2	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.	1.6	10
25	Phase separation in mixed suspensions of bacteria and nonadsorbing polymers. <i>Journal of Chemical Physics</i> , 2021, 154, 151101.	1.2	7