Tim Still

List of Publications by Year
in descending order

28 papers	2,778 citations	430874 18 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	4116 citing authors

#	Article	IF	Citations
1	Suppression of the coffee-ring effect by shape-dependent capillary interactions. Nature, 2011, 476, 308-311.	27.8	1,288
2	Surfactant-Induced Marangoni Eddies Alter the Coffee-Rings of Evaporating Colloidal Drops. Langmuir, 2012, 28, 4984-4988.	3.5	369
3	Effects of Particle Shape on Growth Dynamics at Edges of Evaporating Drops of Colloidal Suspensions. Physical Review Letters, 2013, 110, 035501.	7.8	127
4	Physics in ordered and disordered colloidal matter composed of poly(N-isopropylacrylamide) microgel particles. Reports on Progress in Physics, 2014, 77, 056601.	20.1	123
5	Highâ€Modulus Organic Glasses Prepared by Physical Vapor Deposition. Advanced Materials, 2010, 22, 39-42.	21.0	106
6	Synthesis of micrometer-size poly(N-isopropylacrylamide) microgel particles with homogeneous crosslinker density and diameter control. Journal of Colloid and Interface Science, 2013, 405, 96-102.	9.4	95
7	Chiral structures and defects of lyotropic chromonic liquid crystals induced by saddle-splay elasticity. Physical Review E, 2015, 91, 050501.	2.1	81
8	Diagnosing hyperuniformity in two-dimensional, disordered, jammed packings of soft spheres. Physical Review E, 2015, 91, 012302.	2.1	81
9	Deposition and drying dynamics of liquid crystal droplets. Nature Communications, 2017, 8, 15642.	12.8	66
10	Rheology of soft colloids across the onset of rigidity: scaling behavior, thermal, and non-thermal responses. Soft Matter, 2014, 10, 3027.	2.7	57
11	Structural Variations of an Organic Glassformer Vapor-Deposited onto a Temperature Gradient Stage. Journal of Physical Chemistry Letters, 2011, 2, 423-427.	4.6	50
12	Vibration spectroscopy of weakly interacting mesoscopic colloids. Soft Matter, 2012, 8, 4235.	2.7	48
13	Phonons in two-dimensional soft colloidal crystals. Physical Review E, 2013, 88, 022315.	2.1	47
14	Diffusive and martensitic nucleation kinetics in solid-solid transitions of colloidal crystals. Nature Communications, 2017, 8, 14978.	12.8	45
15	Heterogeneous Activation, Local Structure, and Softness in Supercooled Colloidal Liquids. Physical Review Letters, 2019, 122, 028001.	7.8	40
16	Influence of Particle Shape on Bending Rigidity of Colloidal Monolayer Membranes and Particle Deposition during Droplet Evaporation in Confined Geometries. Physical Review Letters, 2012, 108, 228303.	7.8	31
17	Phonon dispersion and elastic moduli of two-dimensional disordered colloidal packings of soft particles with frictional interactions. Physical Review E, 2014, 89, 012301.	2.1	23
18	Temperatureâ€Sensitive Hydrogelâ€Particle Films from Evaporating Drops. Advanced Materials Interfaces, 2015, 2, 1500371.	3.7	20

#	Article	IF	Citations
19	Tunable depletion potentials driven by shape variation of surfactant micelles. Physical Review E, 2016, 93, 050601.	2.1	16
20	Vibrational Eigenfrequencies and Mechanical Properties of Mesoscopic Copolymer Latex Particles. Macromolecules, 2010, 43, 3422-3428.	4.8	14
21	Vibrational and structural signatures of the crossover between dense glassy and sparse gel-like attractive colloidal packings. Physical Review E, 2014, 90, 062305.	2.1	12
22	Different routes into the glass state for soft thermo-sensitive colloids. Soft Matter, 2018, 14, 5008-5018.	2.7	11
23	Dynamics of ordered colloidal particle monolayers at nematic liquid crystal interfaces. Soft Matter, 2016, 12, 4715-4724.	2.7	8
24	Vibrational properties of quasi-two-dimensional colloidal glasses with varying interparticle attraction. Physical Review E, 2016, 94, 042606.	2.1	7
25	Shear-assisted grain coarsening in colloidal polycrystals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24055-24060.	7.1	7
26	Strain fluctuations and elastic moduli in disordered solids. Physical Review E, 2015, 92, 022307.	2.1	6
27	Smaller than Colloids: Characterization of Stable Organic Glass. Springer Theses, 2010, , 123-130.	0.1	0
28	The Vibrations of Individual Colloids. Springer Theses, 2010, , 53-87.	0.1	0