Eli Sloutskin

List of Publications by Year
in descending order

39 papers	922 citations	516710 16 h-index	454955 30 g-index
39 all docs	39 docs citations	39 times ranked	909 citing authors

#	Article	IF	Citations
1	Surface Layering in Ionic Liquids:Â An X-ray Reflectivity Study. Journal of the American Chemical Society, 2005, 127, 7796-7804.	13.7	277
2	How faceted liquid droplets grow tails. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 493-496.	7.1	82
3	Surface freezing of chain molecules at the liquidâ€“liquid and liquidâ€“air interfaces. Faraday Discussions, 2005, 129, 339-352.	3.2	65
4	Modification of deeply buried hydrophobic interfaces by ionic surfactants. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5522-5525.	7.1	58
5	Coiled to Diffuse: Brownian Motion of a Helical Bacterium. Langmuir, 2012, 28, 12941-12947.	3.5	39
6	Temperature-Tuned Faceting and Shape Changes in Liquid Alkane Droplets. Langmuir, 2017, 33, 1305-1314.	3.5	34
7	Crystallization and reentrant melting of charged colloids in nonpolar solvents. Physical Review E, 2015, 91, 030301.	2.1	32
8	From faceted vesicles to liquid icoshedra: Where topology and crystallography meet. Current Opinion in Colloid and Interface Science, 2016, 22, 35-40.	7.4	31
9	Dense colloidal fluids form denser amorphous sediments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5769-5773.	7.1	25
10	Self-faceting of emulsion droplets as a route to solid icosahedra and other polyhedra. Journal of Colloid and Interface Science, 2019, 538, 541-545.	9.4	24
11	Nanostructures, Faceting, and Splitting in Nanoliter to Yoctoliter Liquid Droplets. Nano Letters, 2019, 19, 3161-3168.	9.1	22
12	Faceting and Flattening of Emulsion Droplets: A Mechanical Model. Physical Review Letters, 2021, 126, 038001.	7.8	22
13	Direct structural observation of a molecular junction by high-energy x-ray reflectometry. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2541-2545.	7.1	20
14	Fluid Suspensions of Colloidal Ellipsoids: Direct Structural Measurements. Physical Review Letters, 2011, 107, 238301.	7.8	20
15	Locating particles accurately in microscope images requires image-processing kernels to be rotationally symmetric. Optics Express, 2013, 21, 30755.	3.4	20
16	Structure of Mercaptobiphenyl Monolayers on Mercury. Journal of Physical Chemistry B, 2005, 109, 12534-12543.	2.6	19
17	Surfactant-Induced Phases in Water-Supported Alkane Monolayers: II. Structure. Langmuir, 2014, 30, 8010-8019.	3.5	11
18	Polyhedral liquid droplets: Recent advances in elucidation and application. Current Opinion in Colloid and Interface Science, 2020, 49, 107-117.	7.4	11

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19	Polyhedral Water Droplets: Shape Transitions and Mechanism. Journal of the American Chemical Society, 2020, 142, 8672-8678.	13.7	11
20	Precise Self-Positioning of Colloidal Particles on Liquid Emulsion Droplets. Langmuir, 2019, 35, 13053-13061.	3.5	10
21	Dipolar colloids in apolar media: direct microscopy of two-dimensional suspensions. Scientific Reports, 2016, 6, 28578.	3.3	9
22	Non-crystalline colloidal clusters in two dimensions: size distributions and shapes. Soft Matter, 2012, 8, 2924.	2.7	8
23	Critical Onset of Layering in Sedimenting Suspensions of Nanoparticles. Physical Review Letters, 2014, 112, 188301.	7.8	8
24	Photo-Crosslinkable Colloids: From Fluid Structure and Dynamics of Spheres to Suspensions of Ellipsoids. Gels, 2016, 2, 29.	4.5	8
25	Optical-tweezing-based linear-optics nanoscopy. Optics Express, 2016, 24, 8013.	3.4	6
26	Nanoparticle Positioning on Liquid and Polymerized Faceted Droplets. Journal of Physical Chemistry C, 2019, 123, 28192-28200.	3.1	6
27	Salt-induced stability and modified interfacial energetics in self-faceting emulsion droplets. Journal of Colloid and Interface Science, 2022, 621, 131-138.	9.4	6
28	Denser fluids of charge-stabilized colloids form denser sediments. Soft Matter, 2014, 10, 4913-4921.	2.7	5
29	Hydrogen-Bonded Order in Mercury-Supported Monolayers of End-Functionalized Alkanes. Journal of Physical Chemistry C, 2011, 115, 25451-25463.	3.1	4
30	Highly anisotropic thermal expansion in molecular films of dicarboxylic fatty acids. Physical Review B, 2012, 85, .	3.2	4
31	Surfactant-Induced Phases in Water-Supported Alkane Monolayers: I. Thermodynamics. Langmuir, 2014, 30, 8000-8009.	3.5	4
32	Layering in sedimenting nanoparticle suspensions: The order-inducing role of randomness. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 483, 248-256.	4.7	4
33	Periodic buckling and grain boundary slips in a colloidal model of solid friction. Soft Matter, 2019, 15, 5227-5233.	2.7	4
34	Imaging of nanoparticle dynamics in live and apoptotic cells using temporally-modulated polarization. Scientific Reports, 2019, 9, 1650.	3.3	4
35	GarcÃa-Aguilar etÂal. Reply:. Physical Review Letters, 2021, 126, 259802.	7.8	3
36	Direct Imaging of Vibrations in Colloidal Crystals: In Equilibrium and in a Steady Drift. Journal of Physical Chemistry C, 2016, 120, 8392-8398.	3.1	2

#	Article	IF	Citations
37	Axial Confocal Tomography of Capillary-Contained Colloidal Structures. Langmuir, 2017, 33, 13343-13349.	3.5	2
38	Anomalous Temperature-Controlled Concaveâ€“Convex Switching of Curved Oilâ€“Water Menisci. Journal of Physical Chemistry Letters, 2021, 12, 6834-6839.	4.6	2
39	Label free microscopy with enhanced localization performance based upon temporally modulated polarization. , 2017, , .		0