

# Eli Sloutskin

## List of Publications by Year in descending order

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39  
papers

922  
citations

516710

16  
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454955

30  
g-index

39  
all docs

39  
docs citations

39  
times ranked

909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt-induced stability and modified interfacial energetics in self-faceting emulsion droplets. <i>Journal of Colloid and Interface Science</i> , 2022, 621, 131-138.	9.4	6
2	Faceting and Flattening of Emulsion Droplets: A Mechanical Model. <i>Physical Review Letters</i> , 2021, 126, 038001.	7.8	22
3	García-Aguilar <i>et al.</i> Reply. <i>Physical Review Letters</i> , 2021, 126, 259802.	7.8	3
4	Anomalous Temperature-Controlled Concave-to-Convex Switching of Curved Oil-in-Water Menisci. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6834-6839.	4.6	2
5	Polyhedral liquid droplets: Recent advances in elucidation and application. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 49, 107-117.	7.4	11
6	Polyhedral Water Droplets: Shape Transitions and Mechanism. <i>Journal of the American Chemical Society</i> , 2020, 142, 8672-8678.	13.7	11
7	Nanoparticle Positioning on Liquid and Polymerized Faceted Droplets. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28192-28200.	3.1	6
8	Precise Self-Positioning of Colloidal Particles on Liquid Emulsion Droplets. <i>Langmuir</i> , 2019, 35, 13053-13061.	3.5	10
9	Periodic buckling and grain boundary slips in a colloidal model of solid friction. <i>Soft Matter</i> , 2019, 15, 5227-5233.	2.7	4
10	Nanostructures, Faceting, and Splitting in Nanoliter to Yoctoliter Liquid Droplets. <i>Nano Letters</i> , 2019, 19, 3161-3168.	9.1	22
11	Imaging of nanoparticle dynamics in live and apoptotic cells using temporally-modulated polarization. <i>Scientific Reports</i> , 2019, 9, 1650.	3.3	4
12	Self-faceting of emulsion droplets as a route to solid icosahedra and other polyhedra. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 541-545.	9.4	24
13	Temperature-Tuned Faceting and Shape Changes in Liquid Alkane Droplets. <i>Langmuir</i> , 2017, 33, 1305-1314.	3.5	34
14	Label free microscopy with enhanced localization performance based upon temporally modulated polarization. , 2017, , .		0
15	Axial Confocal Tomography of Capillary-Contained Colloidal Structures. <i>Langmuir</i> , 2017, 33, 13343-13349.	3.5	2
16	Photo-Crosslinkable Colloids: From Fluid Structure and Dynamics of Spheres to Suspensions of Ellipsoids. <i>Gels</i> , 2016, 2, 29.	4.5	8
17	Dipolar colloids in apolar media: direct microscopy of two-dimensional suspensions. <i>Scientific Reports</i> , 2016, 6, 28578.	3.3	9
18	From faceted vesicles to liquid icoshedra: Where topology and crystallography meet. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 22, 35-40.	7.4	31

#	ARTICLE	IF	CITATIONS
19	Optical-tweezing-based linear-optics nanoscopy. <i>Optics Express</i> , 2016, 24, 8013.	3.4	6
20	Direct Imaging of Vibrations in Colloidal Crystals: In Equilibrium and in a Steady Drift. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8392-8398.	3.1	2
21	How faceted liquid droplets grow tails. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 493-496.	7.1	82
22	Crystallization and reentrant melting of charged colloids in nonpolar solvents. <i>Physical Review E</i> , 2015, 91, 030301.	2.1	32
23	Layering in sedimenting nanoparticle suspensions: The order-inducing role of randomness. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 248-256.	4.7	4
24	Denser fluids of charge-stabilized colloids form denser sediments. <i>Soft Matter</i> , 2014, 10, 4913-4921.	2.7	5
25	Critical Onset of Layering in Sedimenting Suspensions of Nanoparticles. <i>Physical Review Letters</i> , 2014, 112, 188301.	7.8	8
26	Surfactant-Induced Phases in Water-Supported Alkane Monolayers: I. Thermodynamics. <i>Langmuir</i> , 2014, 30, 8000-8009.	3.5	4
27	Surfactant-Induced Phases in Water-Supported Alkane Monolayers: II. Structure. <i>Langmuir</i> , 2014, 30, 8010-8019.	3.5	11
28	Locating particles accurately in microscope images requires image-processing kernels to be rotationally symmetric. <i>Optics Express</i> , 2013, 21, 30755.	3.4	20
29	Dense colloidal fluids form denser amorphous sediments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5769-5773.	7.1	25
30	Highly anisotropic thermal expansion in molecular films of dicarboxylic fatty acids. <i>Physical Review B</i> , 2012, 85, .	3.2	4
31	Non-crystalline colloidal clusters in two dimensions: size distributions and shapes. <i>Soft Matter</i> , 2012, 8, 2924.	2.7	8
32	Coiled to Diffuse: Brownian Motion of a Helical Bacterium. <i>Langmuir</i> , 2012, 28, 12941-12947.	3.5	39
33	Hydrogen-Bonded Order in Mercury-Supported Monolayers of End-Functionalized Alkanes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25451-25463.	3.1	4
34	Fluid Suspensions of Colloidal Ellipsoids: Direct Structural Measurements. <i>Physical Review Letters</i> , 2011, 107, 238301.	7.8	20
35	Modification of deeply buried hydrophobic interfaces by ionic surfactants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5522-5525.	7.1	58
36	Direct structural observation of a molecular junction by high-energy x-ray reflectometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2541-2545.	7.1	20

#	ARTICLE	IF	CITATIONS
37	Structure of Mercaptobiphenyl Monolayers on Mercury. Journal of Physical Chemistry B, 2005, 109, 12534-12543.	2.6	19
38	Surface freezing of chain molecules at the liquid-liquid and liquid-air interfaces. Faraday Discussions, 2005, 129, 339-352.	3.2	65
39	Surface Layering in Ionic Liquids: An X-ray Reflectivity Study. Journal of the American Chemical Society, 2005, 127, 7796-7804.	13.7	277