

Stephen Anthony

List of Publications by Year in descending order

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35
papers

1,222
citations

471509

17
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1667
citing authors

#	ARTICLE	IF	CITATIONS
1	Anomalous yet Brownian. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15160-15164.	7.1	390
2	Image Analysis with Rapid and Accurate Two-Dimensional Gaussian Fitting. Langmuir, 2009, 25, 8152-8160.	3.5	126
3	Confining Potential when a Biopolymer Filament Reptates. Physical Review Letters, 2010, 104, 118301.	7.8	61
4	Single-Particle Colloid Tracking in Four Dimensions. Langmuir, 2006, 22, 9812-9815.	3.5	56
5	Cationic Nanoparticles Stabilize Zwitterionic Liposomes Better than Anionic Ones. Journal of Physical Chemistry C, 2007, 111, 8233-8236.	3.1	53
6	Orientationally Glassy Crystals of Janus Spheres. Physical Review Letters, 2014, 112, .	7.8	50
7	Janus Particles as Artificial Antigen-Presenting Cells for T Cell Activation. ACS Applied Materials & Interfaces, 2014, 6, 18435-18439.	8.0	48
8	Methods to Track Single-Molecule Trajectories. Langmuir, 2006, 22, 5266-5272.	3.5	45
9	Translation-rotation decoupling of colloidal clusters of various symmetries. Journal of Chemical Physics, 2008, 129, 244701.	3.0	33
10	Rotation in Suspension of a Rod-Shaped Colloid. Langmuir, 2006, 22, 7128-7131.	3.5	27
11	Single-Particle Tracking of Janus Colloids in Close Proximity. Langmuir, 2008, 24, 6557-6561.	3.5	27
12	Colloidal rotation near the colloidal glass transition. Journal of Chemical Physics, 2011, 135, 054905.	3.0	25
13	Brush-Sheathed Particles Diffusing at Brush-Coated Surfaces in the Thermally Responsive PNIPAAm System. Langmuir, 2007, 23, 2322-2325.	3.5	24
14	Tracking single-particle rotation during macrophage uptake. Soft Matter, 2015, 11, 5346-5352.	2.7	22
15	Drying mediated orientation and assembly structure of amphiphilic Janus particles. Soft Matter, 2018, 14, 6793-6798.	2.7	22
16	Tracking single particle rotation: probing dynamics in four dimensions. Analytical Methods, 2015, 7, 7020-7028.	2.7	21
17	Surfactant-Mediated Assembly of Amphiphilic Janus Spheres. Langmuir, 2019, 35, 6106-6111.	3.5	21
18	Cargos Rotate at Microtubule Intersections during Intracellular Trafficking. Biophysical Journal, 2018, 114, 2900-2909.	0.5	20

#	ARTICLE	IF	CITATIONS
19	Amphiphilic block copolymers as flexible membrane materials generating structural and functional mimics of green bacterial antenna complexes. <i>Nanoscale</i> , 2016, 8, 15056-15063.	5.6	18
20	Comparative Photophysics of C61H2Isomers. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10674-10679.	2.5	17
21	How Liposomes Diffuse in Concentrated Liposome Suspensions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2748-2753.	2.6	16
22	Single-Janus Rod Tracking Reveals the "Rock-and-Roll" of Endosomes in Living Cells. <i>Langmuir</i> , 2018, 34, 1151-1158.	3.5	13
23	Cellular localization of tolyporphins, unusual tetrapyrroles, in a microbial photosynthetic community determined using hyperspectral confocal fluorescence microscopy. <i>Photosynthesis Research</i> , 2019, 141, 259-271.	2.9	13
24	Activated Surface Diffusion in a Simple Colloid System. <i>Physical Review Letters</i> , 2009, 102, 178303.	7.8	12
25	Extending Particle Tracking Capability with Delaunay Triangulation. <i>Langmuir</i> , 2014, 30, 4760-4766.	3.5	12
26	Biomolecular Science of Liposome-Nanoparticle Constructs. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 507, 18-25.	0.9	11
27	Identification of Metal Stresses in <i>Arabidopsis thaliana</i> Using Hyperspectral Reflectance Imaging. <i>Frontiers in Plant Science</i> , 2021, 12, 624656.	3.6	9
28	Isomeric colloidal clusters with shape-dependent mobility. <i>Soft Matter</i> , 2009, 5, 81-83.	2.7	8
29	Lipid membrane-assisted condensation and assembly of amphiphilic Janus particles. <i>Soft Matter</i> , 2016, 12, 9151-9157.	2.7	7
30	Removing Cosmic Spikes Using a Hyperspectral Upper-Bound Spectrum Method. <i>Applied Spectroscopy</i> , 2017, 71, 507-519.	2.2	5
31	Unique Orientation of the Solid-Solid Interface at the Janus Particle Boundary Induced by Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9834-9841.	4.6	5
32	Spatial organization of Fc γ R and TLR2/1 on phagosome membranes differentially regulates their synergistic and inhibitory receptor crosstalk. <i>Scientific Reports</i> , 2021, 11, 13430.	3.3	4
33	Dynamics and Interactions of Individual Proteins in the Membrane of Single, Living Cells. <i>Methods in Molecular Biology</i> , 2015, 1346, 185-207.	0.9	1
34	Reporting Rotational Dynamics of Intracellular Cargos with Janus Particles. <i>Biophysical Journal</i> , 2017, 112, 272a.	0.5	0
35	Imaging effectiveness calculator for non-design microscope samples. <i>Applied Optics</i> , 2019, 58, 6027.	1.8	0