Stephen Anthony

List of Publications by Year
in descending order

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	Identification of Metal Stresses in Arabidopsis thaliana Using Hyperspectral Reflectance Imaging. Frontiers in Plant Science, 2021, 12, 624656.	3.6	9
2	Spatial organization of FcÎ³R and TLR2/1 on phagosome membranes differentially regulates their synergistic and inhibitory receptor crosstalk. Scientific Reports, 2021, 11, 13430.	3.3	4
3	Unique Orientation of the Solidâ€“Solid Interface at the Janus Particle Boundary Induced by Ionic Liquids. Journal of Physical Chemistry Letters, 2020, 11, 9834-9841.	4.6	5
4	Cellular localization of tolyporphins, unusual tetrapyrroles, in a microbial photosynthetic community determined using hyperspectral confocal fluorescence microscopy. Photosynthesis Research, 2019, 141, 259-271.	2.9	13
5	Surfactant-Mediated Assembly of Amphiphilic Janus Spheres. Langmuir, 2019, 35, 6106-6111.	3.5	21
6	Imaging effectiveness calculator for non-design microscope samples. Applied Optics, 2019, 58, 6027.	1.8	0
7	Single-Janus Rod Tracking Reveals the â€œRock-and-Rollâ€•of Endosomes in Living Cells. Langmuir, 2018, 34, 1151-1158.	3.5	13
8	Drying mediated orientation and assembly structure of amphiphilic Janus particles. Soft Matter, 2018, 14, 6793-6798.	2.7	22
9	Cargos Rotate at Microtubule Intersections during Intracellular Trafficking. Biophysical Journal, 2018, 114, 2900-2909.	0.5	20
10	Reporting Rotational Dynamics of Intracellular Cargos with Janus Particles. Biophysical Journal, 2017, 112, 272a.	0.5	0
11	Removing Cosmic Spikes Using a Hyperspectral Upper-Bound Spectrum Method. Applied Spectroscopy, 2017, 71, 507-519.	2.2	5
12	Amphiphilic block copolymers as flexible membrane materials generating structural and functional mimics of green bacterial antenna complexes. Nanoscale, 2016, 8, 15056-15063.	5.6	18
13	Lipid membrane-assisted condensation and assembly of amphiphilic Janus particles. Soft Matter, 2016, 12, 9151-9157.	2.7	7
14	Tracking single particle rotation: probing dynamics in four dimensions. Analytical Methods, 2015, 7, 7020-7028.	2.7	21
15	Tracking single-particle rotation during macrophage uptake. Soft Matter, 2015, 11, 5346-5352.	2.7	22
16	Dynamics and Interactions of Individual Proteins in the Membrane of Single, Living Cells. Methods in Molecular Biology, 2015, 1346, 185-207.	0.9	1
17	Janus Particles as Artificial Antigen-Presenting Cells for T Cell Activation. ACS Applied Materials & Interfaces, 2014, 6, 18435-18439.	8.0	48
18	Extending Particle Tracking Capability with Delaunay Triangulation. Langmuir, 2014, 30, 4760-4766.	3.5	12

#	Article	IF	Citations
19	Orientationally Glassy Crystals of Janus Spheres. Physical Review Letters, 2014, 112, .	7.8	50
20	How Liposomes Diffuse in Concentrated Liposome Suspensions. Journal of Physical Chemistry B, 2011, 115, 2748-2753.	2.6	16
21	Colloidal rotation near the colloidal glass transition. Journal of Chemical Physics, 2011, 135, 054905.	3.0	25
22	Confining Potential when a Biopolymer Filament Reptates. Physical Review Letters, 2010, 104, 118301.	7.8	61
23	Anomalous yet Brownian. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15160-15164.	7.1	390
24	Activated Surface Diffusion in a Simple Colloid System. Physical Review Letters, 2009, 102, 178303.	7.8	12
25	Image Analysis with Rapid and Accurate Two-Dimensional Gaussian Fitting. Langmuir, 2009, 25, 8152-8160.	3.5	126
26	Isomeric colloidal clusters with shape-dependent mobility. Soft Matter, 2009, 5, 81-83.	2.7	8
27	Biomolecular Science of Liposome-Nanoparticle Constructs. Molecular Crystals and Liquid Crystals, 2009, 507, 18-25.	0.9	11
28	Single-Particle Tracking of Janus Colloids in Close Proximity. Langmuir, 2008, 24, 6557-6561.	3.5	27
29	Translation-rotation decoupling of colloidal clusters of various symmetries. Journal of Chemical Physics, 2008, 129, 244701.	3.0	33
30	Brush-Sheathed Particles Diffusing at Brush-Coated Surfaces in the Thermally Responsive PNIPAAm System. Langmuir, 2007, 23, 2322-2325.	3.5	24
31	Cationic Nanoparticles Stabilize Zwitterionic Liposomes Better than Anionic Ones. Journal of Physical Chemistry C, 2007, 111, 8233-8236.	3.1	53
32	Single-Particle Colloid Tracking in Four Dimensions. Langmuir, 2006, 22, 9812-9815.	3.5	56
33	Methods to Track Single-Molecule Trajectories. Langmuir, 2006, 22, 5266-5272.	3.5	45
34	Rotation in Suspension of a Rod-Shaped Colloid. Langmuir, 2006, 22, 7128-7131.	3.5	27
35	Comparative Photophysics of C61H2Isomersâ€. Journal of Physical Chemistry A, 2003, 107, 10674-10679.	2.5	17