Stephen J Ebbens

List of Publications by Year
in descending order

52 papers	3,019 citations	257450 24 h-index	233421 45 g-index
53 all docs	53 docs citations	53 times ranked	2823 citing authors

#	Article	IF	Citations
1	3D printable self-propelling sensors for the assessment of water quality via surface tension. Jcis Open, 2022, 5, 100044.	3.2	6
2	3D inkjet printed self-propelled motors for micro-stirring. Journal of Colloid and Interface Science, 2022, 623, 96-108.	9.4	7
3	C9ORF72-derived poly-GA DPRs undergo endocytic uptake in iAstrocytes and spread to motor neurons. Life Science Alliance, 2022, 5, e202101276.	2.8	6
4	Rotating ellipsoidal catalytic micro-swimmers via glancing angle evaporation. Materials Advances, 2021, 2, 7045-7053.	5.4	4
5	Influence of Additives on the In Situ Crystallization Dynamics of Methyl Ammonium Lead Halide Perovskites. ACS Applied Energy Materials, 2021, 4, 1398-1409.	5.1	11
6	Inkjet printing of mammalian cells â€“ Theory and applications. Bioprinting, 2021, 23, e00157.	5.8	28
7	pHâ€Responsive Catalytic Janus Motors with Autonomous Navigation and Cargoâ€Release Functions. Advanced Functional Materials, 2020, 30, 2000324.	14.9	16
8	Experimental observation of flow fields around active Janus spheres. Nature Communications, 2019, 10, 3952.	12.8	67
9	Reactive Inkjet Printing and Propulsion Analysis of Silk-based Self-propelled Micro-stirrers. Journal of Visualized Experiments, 2019, , .	0.3	3
10	Light-driven locomotion of a centimeter-sized object at the airâ€“water interface: effect of fluid resistance. RSC Advances, 2019, 9, 8333-8339.	3.6	12
11	Reactive Inkjet Printing of Functional Silk Stirrers for Enhanced Mixing and Sensing. Small, 2019, 15, e1804213.	10.0	16
12	Symmetrical Catalytically Active Colloids Collectively Induce Convective Flow. Langmuir, 2018, 34, 4307-4313.	3.5	16
13	A Pickering Emulsion Route to Swimming Active Janus Colloids. Advanced Science, 2018, 5, 1700528.	11.2	49
14	Catalytic Janus Colloids: Controlling Trajectories of Chemical Microswimmers. Accounts of Chemical Research, 2018, 51, 1931-1939.	15.6	52
15	Helical paths, gravitaxis, and separation phenomena for mass-anisotropic self-propelling colloids: Experiment versus theory. Journal of Chemical Physics, 2017, 147, 084905.	3.0	40
16	Reactive Inkjet Printing of Biocompatible Enzyme Powered Silk Microâ€Rockets. Small, 2016, 12, 4048-4055.	10.0	57
17	Reactive Inkjet Printing: Reactive Inkjet Printing of Biocompatible Enzyme Powered Silk Micro-Rockets (Small 30/2016). Small, 2016, 12, 4022-4022.	10.0	1
18	Spiral diffusion of rotating self-propellers with stochastic perturbation. Physical Review E, 2016, 94, 030601.	2.1	24

#	Article	IF	Citations
19	Preparation and 3D Tracking of Catalytic Swimming Devices. Journal of Visualized Experiments, 2016, , .	0.3	0
20	Active colloids: Progress and challenges towards realising autonomous applications. Current Opinion in Colloid and Interface Science, 2016, 21, 14-23.	7.4	144
21	Directed Propulsion, Chemotaxis and Clustering in Propelled Microparticles. Current Physical Chemistry, 2015, 5, 91-106.	0.2	4
22	Boundaries can steer active Janus spheres. Nature Communications, 2015, 6, 8999.	12.8	290
23	Effect of Catalyst Distribution on Spherical Bubble Swimmer Trajectories. Journal of Physical Chemistry C, 2015, 119, 15339-15348.	3.1	24
24	Mode of lysozyme protein adsorption at end-tethered polyethylene oxide brushes on gold surfaces determined by neutron reflectivity. European Physical Journal E, 2015, 38, 14.	1.6	1
25	Glancing angle metal evaporation synthesis of catalytic swimming Janus colloids with well defined angular velocity. Soft Matter, 2015, 11, 6872-6880.	2.7	49
26	Electrokinetic effects in catalytic platinum-insulator Janus swimmers. Europhysics Letters, 2014, 106, 58003.	2.0	181
27	On the mechanisms of colloidal self-assembly during spin-coating. Soft Matter, 2014, 10, 8804-8812.	2.7	51
28	Real time laser interference microscopy for barâ€spread polystyrene/poly(methyl methacrylate) blends. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 985-992.	2.1	2
29	Gravitaxis in Spherical Janus Swimming Devices. Langmuir, 2013, 29, 14066-14073.	3.5	112
30	Direct observation of morphological development during the spinâ€coating of polystyreneâ€“poly(methyl) Tj ETQq0 0 0 rgBT /Overlock	2.1	22
31	Importance of Particle Tracking and Calculating the Mean-Squared Displacement in Distinguishing Nanopropulsion from Other Processes. Langmuir, 2012, 28, 10997-11006.	3.5	159
32	Synthetic running and tumbling: an autonomous navigation strategy for catalytic nanoswimmers. Soft Matter, 2012, 8, 3077.	2.7	25
33	Copper conductive adhesives for printed circuit interconnects. , 2012, , .		10
34	Size dependence of the propulsion velocity for catalytic Janus-sphere swimmers. Physical Review E, 2012, 85, 020401.	2.1	189
35	InSitu Imaging and Height Reconstruction of Phase Separation Processes in Polymer Blends during Spin Coating. ACS Nano, 2011, 5, 5124-5131.	14.6	65
36	Direct Observation of the Direction of Motion for Spherical Catalytic Swimmers. Langmuir, 2011, 27, 12293-12296.	3.5	165

#	Article	IF	Citations
37	Controlling Phoretic Swimmer Trajectory. Materials Research Society Symposia Proceedings, 2011, 1346, 1.	0.1	0
38	In pursuit of propulsion at the nanoscale. Soft Matter, 2010, 6, 726.	2.7	534
39	Self-assembled autonomous runners and tumblers. Physical Review E, 2010, 82, 015304.	2.1	157
40	The Thermal Stability of Alkanethiol Self-Assembled Monolayers on Copper for Fluxless Soldering Applications. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 251-259.	1.3	7
41	Covalently Cross-Linked Colloidosomes. Macromolecules, 2010, 43, 10466-10474.	4.8	98
42	Surface Micro-patterning with Self-assembled Monolayers Selectively Deposited on Copper Substrates by Ink-jet Printing. , 2007, , .		1
43	Patterning Copper using Ink Jet Printing of Self Assembled Monolayers. , 2007, , .		0
44	Elastic modulus measurements from individual lactose particles using atomic force microscopy. International Journal of Pharmaceutics, 2007, 332, 168-175.	5.2	58
45	Thermal Stability of Self-Assembled Monolayer Copper Preservatives for Fluxless Soldering. , 2006, , .		0
46	Determination of the Surface Free Energy of Crystalline and Amorphous Lactose by Atomic Force Microscopy Adhesion Measurement. Pharmaceutical Research, 2006, 23, 401-407.	3.5	67
47	Investigation of ink-jet printing of self-assembled monolayers for copper circuit patterning. , 2006, , .		2
48	Identifying and Mapping Surface Amorphous Domains. Pharmaceutical Research, 2005, 22, 1195-1202.	3.5	65
49	Towards nanoscale metrology for biomolecular imaging by atomic force microscopy. Nanotechnology, 2005, 16, 966-973.	2.6	27
50	Surface Segregation and Plasma Oxidation of Polyethyleneâ^'Poly(dimethylsiloxane) Copolymer Doped Polyethylene Films. Macromolecules, 2003, 36, 368-372.	4.8	5
51	A study of single drug particle adhesion interactions using atomic force microscopy. International Journal of Pharmaceutics, 2002, 238, 17-27.	5.2	79
52	Surface Segregation and Plasma Oxidation of Poly(dimethylsiloxane)-Doped Polyolefins. Macromolecules, 2001, 34, 8149-8155.	4.8	11