Paul A Campbell

List of Publications by Year
in descending order

28	1,042	840585 11	794469 19
papers	citations	h-index	g-index

30	30	30	1511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane disruption by optically controlled microbubble cavitation. Nature Physics, 2005, 1, 107-110.	6.5	501
2	Single cell optical transfection. Journal of the Royal Society Interface, 2010, 7, 863-871.	1.5	163
3	The role of Ca2+ in ultrasound-elicited bioeffects: progress, perspectives and prospects. Drug Discovery Today, 2010, 15, 892-906.	3.2	81
4	DNA Double-Strand Breaks Induced by Cavitational Mechanical Effects of Ultrasound in Cancer Cell Lines. PLoS ONE, 2012, 7, e29012.	1.1	75
5	Spatially optimized gene transfection by laser-induced breakdown of optically trapped nanoparticles. Applied Physics Letters, 2011, 98, .	1.5	39
6	Mixing via thermocapillary generation of flow patterns inside a microfluidic drop. New Journal of Physics, 2009, 11, 075033.	1.2	37
7	In vivo gene silencing following non-invasive siRNA delivery into the skin using a novel topical formulation. Journal of Controlled Release, 2014, 196, 355-362.	4.8	34
8	The Spontaneously Adhesive Leukocyte Function-associated Antigen-1 (LFA-1) Integrin in Effector T Cells Mediates Rapid Actin- and Calmodulin-dependent Adhesion Strengthening to Ligand under Shear Flow. Journal of Biological Chemistry, 2013, 288, 14698-14708.	1.6	25
9	Future Directions for Therapeutic Ultrasound. Ultrasound in Medicine and Biology, 2007, 33, 657.	0.7	24
10	Enhanced gene transfection using calcium phosphate co-precipitates and low-intensity pulsed ultrasound. European Journal of Pharmaceutical Sciences, 2012, 47, 768-773.	1.9	22
11	Keystroke dynamics in the pre-touchscreen era. Frontiers in Human Neuroscience, 2013, 7, 835.	1.0	11
12	Transfection by Optical Injection. Series in Medical Physics and Biomedical Engineering, 2010, , 87-118.	0.1	7
13	On the accuracy of framing-rate measurements in ultra-high speed rotating mirror cameras. Optics Express, 2011, 19, 16432.	1.7	7
14	Optimisation of Fixation Period on Biological Cells via Time-Lapse Elasticity Mapping. Japanese Journal of Applied Physics, 2006, 45, 2341-2344.	0.8	5
15	Role of mirror dynamics in determining the accuracy of framing rate in an ultra high speed rotating mirror camera. Proceedings of SPIE, 2011, , .	0.8	2
16	A nano-mechanical study on the influence of ultrasound exposure on cellular elasticity. , 2013, , .		2
17	Ultrasound-Stimulated Mutual Interaction Forces between Optically Configured Micro-Bubble Pairs. AIP Conference Proceedings, 2007, , .	0.3	1
18	p53 Response to Ultrasound: Preliminary Observations in MCF7 Human Breast Cancer Cells. AIP Conference Proceedings, 2011, , .	0.3	1

#	Article	IF	Citations
19	What Lies Beneath? Scanning Probe Tomography May Have the Answer. Journal of Investigative Dermatology, 2013, 133, 1458-1460.	0.3	1
20	Hydrodynamic stretching for prostate cancer detection. , 2015, , .		1
21	10.1063/1.3554415.1. , 2011, , .		1
22	Optimization and Constraints in Sonolithography. Materials Research Society Symposia Proceedings, 2007, 1059, 1.	0.1	0
23	Pseudo-wetting Behaviour of Nanostructures Induced by STM. Materials Research Society Symposia Proceedings, 2007, 1059, 1.	0.1	0
24	Live-cell Imaging at Low Interaction Forces. Materials Research Society Symposia Proceedings, 2007, 1061, 1.	0.1	0
25	Towards monodisperse microbubble populations via microfluidic chip flow-focusing. , 2008, , .		0
26	Application of ultrasound for sonodynamic photocatalysis. , 2011, , .		0
27	Influence of Waveform on Cell Viability during Ultrasound Exposure. , 2011, , .		0
28	Ultrafast Imaging of Microbubble Cavitation using Integrated Optical Trapping for Spatial Control: Progress and Prospects. , 2011, , .		0