

# Paul A Campbell

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,042  
citations

840585

11  
h-index

794469

19  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic stretching for prostate cancer detection. , 2015, , .		1
2	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
3	What Lies Beneath? Scanning Probe Tomography May Have the Answer. Journal of Investigative Dermatology, 2013, 133, 1458-1460.	0.3	1
4	A nano-mechanical study on the influence of ultrasound exposure on cellular elasticity. , 2013, , .		2
5	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
6	Keystroke dynamics in the pre-touchscreen era. Frontiers in Human Neuroscience, 2013, 7, 835.	1.0	11
7	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
8	DNA Double-Strand Breaks Induced by Cavitation Mechanical Effects of Ultrasound in Cancer Cell Lines. PLoS ONE, 2012, 7, e29012.	1.1	75
9	Application of ultrasound for sonodynamic photocatalysis. , 2011, , .		0
10	On the accuracy of framing-rate measurements in ultra-high speed rotating mirror cameras. Optics Express, 2011, 19, 16432.	1.7	7
11	Influence of Waveform on Cell Viability during Ultrasound Exposure. , 2011, , .		0
12	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
13	p53 Response to Ultrasound: Preliminary Observations in MCF7 Human Breast Cancer Cells. AIP Conference Proceedings, 2011, , .	0.3	1
14	Spatially optimized gene transfection by laser-induced breakdown of optically trapped nanoparticles. Applied Physics Letters, 2011, 98, .	1.5	39
15	10.1063/1.3554415.1. , 2011, , .		1
16	Ultrafast Imaging of Microbubble Cavitation using Integrated Optical Trapping for Spatial Control: Progress and Prospects. , 2011, , .		0
17	Transfection by Optical Injection. Series in Medical Physics and Biomedical Engineering, 2010, , 87-118.	0.1	7
18	The role of Ca <sup>2+</sup> in ultrasound-elicited bioeffects: progress, perspectives and prospects. Drug Discovery Today, 2010, 15, 892-906.	3.2	81

#	ARTICLE	IF	CITATIONS
19	Single cell optical transfection. <i>Journal of the Royal Society Interface</i> , 2010, 7, 863-871.	1.5	163
20	Mixing via thermocapillary generation of flow patterns inside a microfluidic drop. <i>New Journal of Physics</i> , 2009, 11, 075033.	1.2	37
21	Towards monodisperse microbubble populations via microfluidic chip flow-focusing. , 2008, , .		0
22	Optimization and Constraints in Sonolithography. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1059, 1.	0.1	0
23	Pseudo-wetting Behaviour of Nanostructures Induced by STM. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1059, 1.	0.1	0
24	Live-cell Imaging at Low Interaction Forces. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1061, 1.	0.1	0
25	Ultrasound-Stimulated Mutual Interaction Forces between Optically Configured Micro-Bubble Pairs. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
26	Future Directions for Therapeutic Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 657.	0.7	24
27	Optimisation of Fixation Period on Biological Cells via Time-Lapse Elasticity Mapping. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2341-2344.	0.8	5
28	Membrane disruption by optically controlled microbubble cavitation. <i>Nature Physics</i> , 2005, 1, 107-110.	6.5	501