

Stephen Wilson

List of Publications by Year in descending order

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15
papers

689
citations

1040056

9
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

1066
citing authors

#	ARTICLE	IF	CITATIONS
1	New materials for micro-scale sensors and actuators. Materials Science and Engineering Reports, 2007, 56, 1-129.	31.8	438
2	Structure modification of 0°3 piezoelectric ceramic/polymer composites through dielectrophoresis. Journal Physics D: Applied Physics, 2005, 38, 175-182.	2.8	64
3	The effect of film thickness on polypyrrole actuation assessed using novel non-contact strain measurements. Smart Materials and Structures, 2013, 22, 104021.	3.5	49
4	Characterisation of PZT thin film micro-actuators using a silicon micro-force sensor. Sensors and Actuators A: Physical, 2007, 133, 35-44.	4.1	34
5	Ultra-precision grinding of PZT ceramics”Surface integrity control and tooling design. International Journal of Machine Tools and Manufacture, 2009, 49, 998-1007.	13.4	32
6	A new flextensional piezoelectric ultrasonic motor”Design, fabrication and characterisation. Sensors and Actuators A: Physical, 2007, 133, 141-151.	4.1	17
7	Controlling the electro-mechanical performance of polypyrrole through 3- and 3,4-methyl substituted copolymers. RSC Advances, 2015, 5, 84153-84163.	3.6	16
8	Rheological properties of magnetic and electro-active nanoparticles in non-polar liquids. Journal of Materials Science, 2011, 46, 5385-5393.	3.7	15
9	Flextensional ultrasonic piezoelectric micro-motor. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2357-2366.	3.0	9
10	Pre-stressed piezoelectric bimorph micro-actuators based on machined 40 Åµm PZT thick films: batch scale fabrication and integration with MEMS. Smart Materials and Structures, 2010, 19, 094001.	3.5	6
11	Enhanced dc conductivity of low volume-fraction nano-particulate suspensions in silicone and perfluorinated oils. Journal Physics D: Applied Physics, 2009, 42, 062003.	2.8	4
12	Altering the structure of polypyrrole and the influence on electrodynamic performance. , 2011, , .		3
13	Experimental Design and Construction of a Flextensional Ultrasonic Piezoelectric Micro-Motor. Integrated Ferroelectrics, 2004, 63, 165-169.	0.7	1
14	Pre-Stressed Piezoelectric Bimorph Micro-Actuators Based on Machined 40-Micron PZT Ceramic Thick Films”Batch Scale Fabrication and Integration With MEMS. , 2009, , .		1
15	A simple technique for automated performance testing of piezoelectric micro-motors by transient motion analysis. Sensors and Actuators A: Physical, 2008, 144, 130-134.	4.1	0