Armando Arpys Arevalo Carreno

List of Publications by Year
in descending order

23 papers	364 citations	1163117 8 h-index	1372567 10 g-index
23 all docs	23 docs citations	23 times ranked	573 citing authors

#	Article	IF	Citations
1	Paper-based origami flexible and foldable thermoelectric nanogenerator. Nano Energy, 2017, 31, 296-301.	16.0	125
2	Design and characterization of ultra-stretchable monolithic silicon fabric. Applied Physics Letters, 2014, 105, .	3.3	56
3	An Experimental and Theoretical Investigation of a Micromirror Under Mixed-Frequency Excitation. Journal of Microelectromechanical Systems, 2015, 24, 1124-1131.	2.5	30
4	A versatile multi-user polyimide surface micromachinning process for MEMS applications. , 2015, , .		28
5	Torsion based universal MEMS logic device. Sensors and Actuators A: Physical, 2015, 236, 150-158.	4.1	24
6	Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. IEEE Transactions on Magnetics, 2013, 49, 4144-4147.	2.1	18
7	High-Throughput Incubation and Quantification of Agglutination Assays in a Microfluidic System. Genes, 2018, 9, 281.	2.4	10
8	Low-cost silicon wafer dicing using a craft cutter. Microsystem Technologies, 2015, 21, 1411-1414.	2.0	9
9	Comparison of capacitive and radio frequency resonator sensors for monitoring parallelized droplet microfluidic production. Lab on A Chip, 2016, 16, 3210-3219.	6.0	9
10	Decal Electronics: Printable Packaged with 3D Printing Highâ€Performance Flexible CMOS Electronic Systems. Advanced Materials Technologies, 2017, 2, 1600175.	5.8	8
11	Simulation of SU-8 Frequency-Driven Scratch Drive Actuators. , 2013, , .		7
12	Outâ€ofâ€plane buckled cantilever microstructures with adjustable angular positions using thermal bimorph actuation for transducer applications. Micro and Nano Letters, 2015, 10, 545-549.	1.3	7
13	Towards a digital sound reconstruction MEMS device: Characterization of a single PZT based piezoelectric actuator. , 2015, , .		7
14	Simulation of a Low Frequency Z-Axis SU-8 Accelerometer in CoventorWare and MEMS+. , 2013, , .		5
15	Out-of-plane platforms with bi-directional thermal bimorph actuation for transducer applications. , 2015, , .		5
16	Radio frequency feedback method for parallelized droplet microfluidics. , 2016, , .		4
17	Piezoelectric transducer array microspeaker. , 2016, , .		3
18	Digital electrostatic acoustic transducer array. , 2016, , .		3

#	Article	IF	Citations
19	MEMS digital parametric loudspeaker. , 2016, , .		3
20	Capacitive sensor for continuous monitoring of high-volume droplet microfluidic generation. , 2016, , .		2
21	Folding and stretching a thermoelectric generator. , 2018, , .		1
22	A study of the incubation of microbead agglutination assays in a microfluidic system. , 2016, , .		0
23	3D Printing: Decal Electronics: Printable Packaged with 3D Printing Highâ€Performance Flexible CMOS Electronic Systems (Adv. Mater. Technol. 1/2017). Advanced Materials Technologies, 2017, 2, .	5.8	0