

Armando Arpys Arevalo Carreno

List of Publications by Year in descending order

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Version: 2024-02-01

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 | High-Throughput Incubation and Quantification of Agglutination Assays in a Microfluidic System. Genes, 2018, 9, 281. | 2.4 | 10 |
| 2 | Folding and stretching a thermoelectric generator. , 2018, , . | | 1 |
| 3 | 3D Printing: Decal Electronics: Printable Packaged with 3D Printing High-Performance Flexible CMOS Electronic Systems (Adv. Mater. Technol. 1/2017). Advanced Materials Technologies, 2017, 2, . | 5.8 | 0 |
| 4 | Paper-based origami flexible and foldable thermoelectric nanogenerator. Nano Energy, 2017, 31, 296-301. | 16.0 | 125 |
| 5 | Decal Electronics: Printable Packaged with 3D Printing High-Performance Flexible CMOS Electronic Systems. Advanced Materials Technologies, 2017, 2, 1600175. | 5.8 | 8 |
| 6 | 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 |
| 7 | A study of the incubation of microbead agglutination assays in a microfluidic system. , 2016, , . | | 0 |
| 8 | Capacitive sensor for continuous monitoring of high-volume droplet microfluidic generation. , 2016, , . | | 2 |
| 9 | Piezoelectric transducer array microspeaker. , 2016, , . | | 3 |
| 10 | Digital electrostatic acoustic transducer array. , 2016, , . | | 3 |
| 11 | Radio frequency feedback method for parallelized droplet microfluidics. , 2016, , . | | 4 |
| 12 | MEMS digital parametric loudspeaker. , 2016, , . | | 3 |
| 13 | An Experimental and Theoretical Investigation of a Micromirror Under Mixed-Frequency Excitation. Journal of Microelectromechanical Systems, 2015, 24, 1124-1131. | 2.5 | 30 |
| 14 | Out-of-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 |
| 15 | Out-of-plane platforms with bi-directional thermal bimorph actuation for transducer applications. , 2015, , . | | 5 |
| 16 | Torsion based universal MEMS logic device. Sensors and Actuators A: Physical, 2015, 236, 150-158. | 4.1 | 24 |
| 17 | Towards a digital sound reconstruction MEMS device: Characterization of a single PZT based piezoelectric actuator. , 2015, , . | | 7 |
| 18 | A versatile multi-user polyimide surface micromachining process for MEMS applications. , 2015, , . | | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Low-cost silicon wafer dicing using a craft cutter. <i>Microsystem Technologies</i> , 2015, 21, 1411-1414. | 2.0 | 9 |
| 20 | Design and characterization of ultra-stretchable monolithic silicon fabric. <i>Applied Physics Letters</i> , 2014, 105, . | 3.3 | 56 |
| 21 | Three-Axis Magnetic Field Induction Sensor Realized on Buckled Cantilever Plate. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4144-4147. | 2.1 | 18 |
| 22 | Simulation of a Low Frequency Z-Axis SU-8 Accelerometer in CoventorWare and MEMS+. , 2013, , . | | 5 |
| 23 | Simulation of SU-8 Frequency-Driven Scratch Drive Actuators. , 2013, , . | | 7 |