Ronny Calixto Carbon Carbonari

List of Publications by Year
in descending order

23 papers	326 citations	1163117 8 h-index	1058476 14 g-index
24 all docs	24 docs citations	24 times ranked	240 citing authors

#	Article	IF	Citations
1	Multiâ€actuated functionally graded piezoelectric microâ€tools design: A multiphysics topology optimization approach. International Journal for Numerical Methods in Engineering, 2009, 77, 301-336.	2.8	71
2	Optimum placement of piezoelectric material in piezoactuator design. Smart Materials and Structures, 2007, 16, 207-220.	3.5	63
3	Topology optimization design of functionally graded bimorph-type piezoelectric actuators. Smart Materials and Structures, 2007, 16, 2605-2620.	3.5	37
4	Design of piezoelectric multi-actuated microtools using topology optimization. Smart Materials and Structures, 2005, 14, 1431-1447.	3.5	33
5	A FEM-based method to determine the complex material properties of piezoelectric disks. Ultrasonics, 2014, 54, 1631-1641.	3.9	33
6	Design of pressure vessels using shape optimization: An integrated approach. International Journal of Pressure Vessels and Piping, 2011, 88, 198-212.	2.6	28
7	On graded elements for multiphysics applications. Smart Materials and Structures, 2007, 16, 2408-2428.	3.5	12
8	Integral Piezoactuator System with Optimum Placement of Functionally Graded Material â€" A Topology Optimization Paradigm. Journal of Intelligent Material Systems and Structures, 2010, 21, 1653-1668.	2.5	9
9	Wide dynamic range homodyne interferometry method and its application for piezoactuator displacement measurements. Applied Optics, 2013, 52, 6919.	1.8	9
10	Accurate determination of piezoelectric ceramic constants using a broadband approach. Proceedings of Meetings on Acoustics, 2013, , .	0.3	6
11	Experimental and numerical characterization of multi-actuated piezoelectric device designs using topology optimization. , 2005, , .		4
12	Mechanical behavior of bovine pericardium treated with hyaluronic acid derivative for bioprosthetic aortic valves. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2273-2280.	3.4	4
13	Topology optimization applied to the design of multiactuated piezoelectric microtools. , 2004, 5383, 277.		3
14	Design of functionally graded piezoelectric actuators using topology optimization. , 2006, , .		3
15	Sensitivity Analysis and Identification of Damping Parameters in the Finite Element Modeling of Piezoelectric Ceramic Disks. Advanced Materials Research, 2014, 975, 288-293.	0.3	3
16	Nanofibrous tubular scaffolds for tissue engineering of small-diameter vascular grafts â€" development using SBS fabrication technique and mechanical performance. Research on Biomedical Engineering, 0, , 1.	2.2	3
17	Multi-actuated functionally graded piezoelectric micro-tools design using topology optimization. , 2006, , .		1
18	Piezoactuator design considering the optimum placement of FGM piezoelectric material. , 2007, 6523, 129.		1

#	Article	IF	Citations
19	Topology Optimization Applied to the Design of Functionally Graded Piezoelectric Bimorph. AIP Conference Proceedings, 2008, , .	0.4	1
20	Identification of piezoelectric complex parameters in rings for power ultrasound applications. IOP Conference Series: Materials Science and Engineering, 2012, 42, 012031.	0.6	1
21	Optimum place of piezoelectric material in the piezoactuator design. , 2006, 6166, 83.		0
22	Coupling rate measurement of a novel multi-actuated piezoelectric device using optical interferometry. , 2010, , .		0
23	Numeric reconstruction of 2D cellular actomyosin network from substrate displacement. Research on Biomedical Engineering, 2015, 31, 328-333.	2.2	0