

Ronny Calixto Carbon Carbonari

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

326
citations

1163117

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1058476

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24
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24
docs citations

24
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical behavior of bovine pericardium treated with hyaluronic acid derivative for bioprosthetic aortic valves. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2273-2280.	3.4	4
2	Numeric reconstruction of 2D cellular actomyosin network from substrate displacement. <i>Research on Biomedical Engineering</i> , 2015, 31, 328-333.	2.2	0
3	Sensitivity Analysis and Identification of Damping Parameters in the Finite Element Modeling of Piezoelectric Ceramic Disks. <i>Advanced Materials Research</i> , 2014, 975, 288-293.	0.3	3
4	A FEM-based method to determine the complex material properties of piezoelectric disks. <i>Ultrasonics</i> , 2014, 54, 1631-1641.	3.9	33
5	Wide dynamic range homodyne interferometry method and its application for piezoactuator displacement measurements. <i>Applied Optics</i> , 2013, 52, 6919.	1.8	9
6	Accurate determination of piezoelectric ceramic constants using a broadband approach. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	6
7	Identification of piezoelectric complex parameters in rings for power ultrasound applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012, 42, 012031.	0.6	1
8	Design of pressure vessels using shape optimization: An integrated approach. <i>International Journal of Pressure Vessels and Piping</i> , 2011, 88, 198-212.	2.6	28
9	Coupling rate measurement of a novel multi-actuated piezoelectric device using optical interferometry. , 2010, , .		0
10	Integral Piezoactuator System with Optimum Placement of Functionally Graded Material " A Topology Optimization Paradigm. <i>Journal of Intelligent Material Systems and Structures</i> , 2010, 21, 1653-1668.	2.5	9
11	Multi-actuated functionally graded piezoelectric micro-tools design: A multiphysics topology optimization approach. <i>International Journal for Numerical Methods in Engineering</i> , 2009, 77, 301-336.	2.8	71
12	Topology Optimization Applied to the Design of Functionally Graded Piezoelectric Bimorph. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
13	Topology optimization design of functionally graded bimorph-type piezoelectric actuators. <i>Smart Materials and Structures</i> , 2007, 16, 2605-2620.	3.5	37
14	Piezoactuator design considering the optimum placement of FGM piezoelectric material. , 2007, 6523, 129.		1
15	On graded elements for multiphysics applications. <i>Smart Materials and Structures</i> , 2007, 16, 2408-2428.	3.5	12
16	Optimum placement of piezoelectric material in piezoactuator design. <i>Smart Materials and Structures</i> , 2007, 16, 207-220.	3.5	63
17	Multi-actuated functionally graded piezoelectric micro-tools design using topology optimization. , 2006, , .		1
18	Design of functionally graded piezoelectric actuators using topology optimization. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
19	Optimum place of piezoelectric material in the piezoactuator design. , 2006, 6166, 83.		0
20	Experimental and numerical characterization of multi-actuated piezoelectric device designs using topology optimization. , 2005, , .		4
21	Design of piezoelectric multi-actuated microtools using topology optimization. Smart Materials and Structures, 2005, 14, 1431-1447.	3.5	33
22	Topology optimization applied to the design of multiactuated piezoelectric microtools. , 2004, 5383, 277.		3
23	Nanofibrous tubular scaffolds for tissue engineering of small-diameter vascular grafts " development using SBS fabrication technique and mechanical performance. Research on Biomedical Engineering, 0, , 1.	2.2	3