

Alexandra S Rodrigues

List of Publications by Year in descending order

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13
papers

473
citations

1040056

9
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Welding with high power fiber lasers – A preliminary study. <i>Materials & Design</i> , 2007, 28, 1231-1237.	5.1	265
2	Analysis of Beam Material Interaction in Welding of Titanium with Fiber Lasers. <i>Materials and Manufacturing Processes</i> , 2007, 22, 798-803.	4.7	52
3	Laser beam welding hard metals to steel. <i>Journal of Materials Processing Technology</i> , 2003, 141, 163-173.	6.3	34
4	Characterization of fiber laser welds in X100 pipeline steel. <i>Materials & Design</i> , 2009, 30, 2701-2707.	5.1	31
5	Materials Behavior in Laser Welding of Hardmetals to Steel. <i>Materials and Manufacturing Processes</i> , 2006, 21, 459-465.	4.7	18
6	In vitro assessment of three dimensional dense chitosan-based structures to be used as bioabsorbable implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 40, 413-425.	3.1	17
7	Strategy to improve the mechanical properties of bioabsorbable materials based on chitosan for orthopedic fixation applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103572.	3.1	14
8	Mechanical properties of stent-graft materials. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2012, 226, 330-341.	1.1	10
9	Abrasion behaviour of polymeric textiles for endovascular stent-grafts. <i>Tribology International</i> , 2013, 63, 265-274.	5.9	9
10	Processing and Characterization of 3D Dense Chitosan Pieces, for Orthopedic Applications, by Adding Plasticizers. <i>Procedia Engineering</i> , 2015, 110, 175-182.	1.2	9
11	Trends in Bioabsorbable Osteosynthesis Devices: Introduction to a Novel Production Process of Chitosan-Based Implants. <i>Journal of Chitin and Chitosan Science</i> , 2013, 1, 210-220.	0.3	5
12	Competitiveness of chitosan-based implants. <i>Ciência & Tecnologia Dos Materiais</i> , 2014, 26, 77-88.	0.5	1
13	Influence of strain rate on the mechanical behavior of dry and hydrated chitosan-based dense materials for bioabsorbable implant applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 116, 104337.	3.1	1