Carolina Bermudo Gamboa

List of Publications by Year
in descending order

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24 papers	154 citations	1307594 7 h-index	1281871 11 g-index
24 all docs	24 docs citations	24 times ranked	106 citing authors

#	Article	IF	Citations
1	Influence of Tool Wear on Form Deviations in Dry Machining of UNS A97075 Alloy. Metals, 2021, 11, 958.	2.3	1
2	Modeling of the fracture energy on the finite element simulation in Ti6Al4V alloy machining. Scientific Reports, 2021, 11, 18490.	3.3	9
3	Fatigue Behavior Parametric Analysis of Dry Machined UNS A97075 Aluminum Alloy. Metals, 2020, 10, 631.	2.3	12
4	Cutting Speed and Feed Influence on Surface Microhardness of Dry-Turned UNS A97075-T6 Alloy. Applied Sciences (Switzerland), 2020, 10, 1049.	2.5	12
5	Online Tool Wear Monitoring by the Analysis of Cutting Forces in Transient State for Dry Machining of Ti6Al4V Alloy. Metals, 2019, 9, 1014.	2.3	3
6	Parametric Analysis of Macro-Geometrical Deviations in Dry Turning of UNS A97075 (Al-Zn) Alloy. Metals, 2019, 9, 1141.	2.3	8
7	2Dâ€“3D Digital Image Correlation Comparative Analysis for Indentation Process. Materials, 2019, 12, 4156.	2.9	13
8	Experimental Parametric Relationships for Chip Geometry in Dry Machining of the Ti6Al4V Alloy. Materials, 2018, 11, 1260.	2.9	21
9	Parametric analysis of the Ultimate Tensile Strength in dry machining of UNS A97075 Alloy. Procedia Manufacturing, 2017, 13, 81-88.	1.9	7
10	Temperature implementation for the Modular Upper Bound application in indentation processes. Procedia Manufacturing, 2017, 13, 243-250.	1.9	0
11	Analysis of the Chip Geometry in Dry Machining of Aeronautical Aluminum Alloys. Applied Sciences (Switzerland), 2017, 7, 132.	2.5	24
12	Hardening Effect Analysis by Modular Upper Bound and Finite Element Methods in Indentation of Aluminum, Steel, Titanium and Superalloys. Materials, 2017, 10, 556.	2.9	2
13	Material Flow Analysis in Indentation by Two-Dimensional Digital Image Correlation and Finite Elements Method. Materials, 2017, 10, 674.	2.9	7
14	Study of the Tool Geometry Influence in Indentation for the Analysis and Validation of the New Modular Upper Bound Technique. Applied Sciences (Switzerland), 2016, 6, 203.	2.5	7
15	Application of the Upper Bound Theorem to Indentation Processes with Tilted Punch by Means of Modular Model. Procedia Engineering, 2015, 132, 274-281.	1.2	1
16	Hardening Study on the Application of the Upper Bound Theorem in Indentation Processes by Means of Modules of Triangular Rigid Zones. Procedia Engineering, 2015, 132, 282-289.	1.2	2
17	Experimental Validation of the New Modular Application of the Upper Bound Theorem in Indentation. PLoS ONE, 2015, 10, e0122790.	2.5	4
18	Selection of the Optimal Distribution for the Upper Bound Theorem in Indentation Processes. Materials Science Forum, 2014, 797, 117-122.	0.3	3

#	Article	IF	Citations
19	Teaching Machines Tools Operation in Virtual Laboratories of Engineering Faculties. Mechanisms and Machine Science, 2014, , 163-169.	0.5	0
20	Analysis and Selection of the Modular Block Distribution in Indentation Process by the Upper Bound Theorem. Procedia Engineering, 2013, 63, 388-396.	1.2	4
21	Application of the upper bound element technique with triangular rigid blocks in indentation. , 2012, , .		5
22	Analytical Approach to the Indentation Process. Application of the Upper Bound Element Technique. Materials Science Forum, 2012, 713, 13-18.	0.3	7
23	Analysis of the Integrated Implementation of the Manufacturing Engineering Subject in Engineering Degrees at the Malaga University. Materials Science Forum, 0, 759, 1-9.	0.3	2
24	Thesaurus and Graphipedia Tools Development at the Manufacturing Engineering Subjects of the University of Malaga. Materials Science Forum, 0, 853, 85-90.	0.3	0