

Chedly Braham

List of Publications by Year in descending order

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17
papers

378
citations

1307594

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h-index

1058476

14
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17
all docs

17
docs citations

17
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	A Predictive Methodology for High-Cycle Fatigue Behavior of Machined Metallic Parts. Journal of Materials Engineering and Performance, 2022, 31, 4776-4794.	2.5	1
2	Combined effects of abrasive type and cooling mode on fatigue resistance of AISI D2 ground surface. International Journal of Fatigue, 2020, 138, 105665.	5.7	2
3	Influences of up-milling and down-milling on surface integrity and fatigue strength of X160CrMoV12 steel. International Journal of Advanced Manufacturing Technology, 2019, 105, 1209-1228.	3.0	19
4	Potential fatigue strength improvement of AA 5083-H111 notched parts by wire brush hammering: Experimental analysis and numerical simulation. Materials & Design, 2014, 64, 503-519.	5.1	17
5	Effect of Surface Properties on the Fatigue Life of Manufactured Parts: Experimental Analysis and Multi-Axial Criteria. Advanced Materials Research, 2014, 996, 715-721.	0.3	7
6	Prediction of Cyclic Residual Stress Relaxation by Modeling Approach. Advanced Materials Research, 2014, 996, 743-748.	0.3	5
7	Numerical Assessment of Residual Stress Induced by Machining of Aluminum Alloy. Advanced Materials Research, 2014, 996, 628-633.	0.3	6
8	Effect of electro discharge machining (EDM) on the AISI316L SS white layer microstructure and corrosion resistance. International Journal of Advanced Manufacturing Technology, 2013, 65, 141-153.	3.0	74
9	Evaluation of residual stress relaxation and its effect on fatigue strength of AISI 316L stainless steel ground surfaces: Experimental and numerical approaches. International Journal of Fatigue, 2013, 48, 109-121.	5.7	74
10	Effects of abrasive type cooling mode and peripheral grinding wheel speed on the AISI D2 steel ground surface integrity. International Journal of Machine Tools and Manufacture, 2009, 49, 261-272.	13.4	63
11	Mechanical properties of phases in austeno-ferritic duplex stainless steel—Surface stresses studied by X-ray diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 444, 6-17.	5.6	48
12	Ground surface improvement of the austenitic stainless steel AISI 304 using cryogenic cooling. Surface and Coatings Technology, 2006, 200, 4846-4860.	4.8	48
13	Effect of Machining Conditions on Residual Stress Corrosion Cracking of 316L SS. Materials Science Forum, 2005, 490-491, 305-310.	0.3	7
14	Intégrité de surface et tenue en fatigue des pièces usinées par électroérosion. European Journal of Control, 2004, 29, 79-91.	2.6	5
15	Large Deformation and Mechanical Effects of Damage in Aged Duplex Stainless Steel. Materials Science Forum, 0, 652, 155-160.	0.3	2
16	Residual Stress in Ferrite and Austenite after Rolling and Recovery Processes. Materials Science Forum, 0, 772, 79-83.	0.3	0
17	Study of Stresses in Texture Components Using Neutron Diffraction. Materials Science Forum, 0, 768-769, 289-295.	0.3	0