

Umut Karaguzel

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

338
citations

933447

10
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental analysis on drilling of Al/Ti/CFRP hybrid composites. <i>Materials and Manufacturing Processes</i> , 2021, 36, 215-222.	4.7	12
2	Transient multi-domain thermal modeling of interrupted cutting with coated tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 345-361.	3.0	2
3	A thermo-mechanical model of drill margin-borehole surface interface contact conditions in dry drilling of thick CFRP laminates. <i>International Journal of Machine Tools and Manufacture</i> , 2020, 154, 103565.	13.4	21
4	Effects of turn-milling conditions on chip formation and surface finish. <i>CIRP Annals - Manufacturing Technology</i> , 2019, 68, 113-116.	3.6	9
5	CUTTING TEMPERATURE MEASUREMENT BY THERMAL CAMERA AND FINITE ELEMENT MODELING DURING MACHINING OF TÄ°6Al4V ALLOY. <i>MÄ¼hendislik Bilimleri Ve TasarÄ±m Dergisi</i> , 2019, 7, 265-271.	0.3	3
6	Investigating effects of milling conditions on cutting temperatures through analytical and experimental methods. <i>Journal of Materials Processing Technology</i> , 2018, 262, 532-540.	6.3	27
7	Consistent Simulation Strategy for Heat Sources and Fluxes in Milling. <i>Procedia CIRP</i> , 2017, 62, 239-244.	1.9	8
8	Heat Sources and Fluxes in Milling: Comparison of Numerical, Analytical and Experimental Results. <i>Procedia CIRP</i> , 2017, 58, 97-103.	1.9	6
9	Mechanical and Thermal Modeling of Orthogonal Turn-milling Operation. <i>Procedia CIRP</i> , 2017, 58, 287-292.	1.9	20
10	Modeling of Heat Fluxes During Machining and Their Effects on Thermal Deformation of the Cutting Tool. <i>Procedia CIRP</i> , 2016, 46, 611-614.	1.9	16
11	Modeling and Measurement of Cutting Temperatures in Milling. <i>Procedia CIRP</i> , 2016, 46, 173-176.	1.9	53
12	Improving Performance of Turn-milling by Controlling Forces and Thermally Induced Tool-center Point (TCP) Displacement. <i>Procedia CIRP</i> , 2016, 40, 481-485.	1.9	3
13	Effects of tool axis offset in turn-milling process. <i>Journal of Materials Processing Technology</i> , 2016, 231, 239-247.	6.3	26
14	Increasing tool life in machining of difficult-to-cut materials using nonconventional turning processes. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 1993-2004.	3.0	34
15	Analytical modeling of turn-milling process geometry, kinematics and mechanics. <i>International Journal of Machine Tools and Manufacture</i> , 2015, 91, 24-33.	13.4	53
16	An experimental study on grinding of Zr-based bulk metallic glass. <i>Advances in Manufacturing</i> , 2015, 3, 282-291.	6.1	11
17	Investigating Eccentricity Effects in Turn-milling Operations. <i>Procedia CIRP</i> , 2014, 14, 176-181.	1.9	12
18	Process Modeling of Turn-Milling Using Analytical Approach. <i>Procedia CIRP</i> , 2012, 4, 131-139.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Effect of scanning strategies and laser parameters on metal-composite joining. Materials and Manufacturing Processes, 0, , 1-9.	4.7	1