

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

#	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