Chandra Nath

List of Publications by Year
in descending order

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20 papers	1,277 citations	471509 17 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	880 citing authors

#	Article	IF	Citations
1	Effect of In-Built Anisotropic and Heterogeneous Material Properties on Machinability in Drilling of AISI 304 Stainless Steel. Journal of Manufacturing Processes, 2020, 59, 122-130.	5.9	2
2	Integrated Tool Condition Monitoring Systems and Their Applications: A Comprehensive Review. Procedia Manufacturing, 2020, 48, 852-863.	1.9	42
3	Study of spindle power data with neural network for predicting real-time tool wear/breakage during inconel drilling. Journal of Manufacturing Systems, 2017, 43, 287-295.	13.9	91
4	Finish turning of Ti-6Al-4V with the atomization-based cutting fluid (ACF) spray system. Journal of Manufacturing Processes, 2017, 28, 464-471.	5.9	34
5	Tool life predictions in milling using spindle power with the neural network technique. Journal of Manufacturing Processes, 2016, 22, 161-168.	5.9	159
6	Obstruction-type Chip Breakers for Controllable Chips and Improved Cooling/Lubrication During Drilling â€“ A Feasibility Study. Procedia Manufacturing, 2016, 5, 375-385.	1.9	16
7	Enhancing Spindle Power Data Application with Neural Network for Real-time Tool Wear/Breakage Prediction During Inconel Drilling. Procedia Manufacturing, 2016, 5, 1-14.	1.9	24
8	On Cutting Temperature Measurement During Titanium Machining With an Atomization-Based Cutting Fluid Spray System. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	38
9	Machinability study and process optimization in face milling of some super alloys with indexable copy face mill inserts. Journal of Manufacturing Processes, 2015, 20, 88-97.	5.9	32
10	Study of Droplet Spray Behavior of an Atomization-Based Cutting Fluid Spray System for Machining Titanium Alloys. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	24
11	Effect of fluid concentration in titanium machining with an atomization-based cutting fluid (ACF) spray system. Journal of Manufacturing Processes, 2013, 15, 419-425.	5.9	27
12	Characterization of Fluid Film Produced by an Atomization-Based Cutting Fluid Spray System During Machining. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2013, 135, .	2.2	17
13	An analytical force model for orthogonal elliptical vibration cutting technique. Journal of Manufacturing Processes, 2012, 14, 378-387.	5.9	68
14	Design and evaluation of an atomization-based cutting fluid spray system in turning of titanium alloy. Journal of Manufacturing Processes, 2012, 14, 452-459.	5.9	53
15	Influence of the material removal mechanisms on hole integrity in ultrasonic machining of structural ceramics. Ultrasonics, 2012, 52, 605-613.	3.9	74
16	Experimental study on ultrasonic elliptical vibration cutting of hardened steel using PCD tools. Journal of Materials Processing Technology, 2011, 211, 1701-1709.	6.3	108
17	Modeling of the Effect of Machining Parameters on Maximum Thickness of Cut in Ultrasonic Elliptical Vibration Cutting. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2011, 133, .	2.2	43
18	Machinability study of tungsten carbide using PCD tools under ultrasonic elliptical vibration cutting. International Journal of Machine Tools and Manufacture, 2009, 49, 1089-1095.	13.4	109

#	Article	IF	Citations
19	A study on the effect of tool nose radius in ultrasonic elliptical vibration cutting of tungsten carbide. Journal of Materials Processing Technology, 2009, 209, 5830-5836.	6.3	48
20	Effect of machining parameters in ultrasonic vibration cutting. International Journal of Machine Tools and Manufacture, 2008, 48, 965-974.	13.4	268