

Fawang Zhang

List of Publications by Year in descending order

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papers

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1040056

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docs citations

18
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	Machining characteristics of nickel-based alloy with positive polarity blasting erosion arc machining. International Journal of Advanced Manufacturing Technology, 2015, 79, 937-947.	3.0	33
2	Augmented Taylor's expansion method for B-spline curve interpolation for CNC machine tools. International Journal of Machine Tools and Manufacture, 2015, 94, 109-119.	13.4	30
3	Influence of polarity on the performance of Blasting Erosion Arc Machining. CIRP Annals - Manufacturing Technology, 2015, 64, 213-216.	3.6	23
4	A study on pulse control for small-hole electrical discharge machining. Journal of Materials Processing Technology, 2012, 212, 1463-1471.	6.3	16
5	Vibration Assisted EDM of Small-hole Using Voice Coil Motor. Procedia CIRP, 2012, 1, 645-650.	1.9	15
6	Break-out Detection for High-speed Small Hole Drilling EDM Based on Machine Learning. Procedia CIRP, 2018, 68, 569-574.	1.9	15
7	A new thermal model considering TIE of the expanding spark for anode erosion process of EDM in water. International Journal of Advanced Manufacturing Technology, 2016, 82, 573-582.	3.0	14
8	A performance comparison of ultrasonically aided electric propulsion extractor configurations. Acta Astronautica, 2012, 77, 1-11.	3.2	11
9	Observation and modeling research of high-velocity flushing effect on the performance of BEAM. International Journal of Advanced Manufacturing Technology, 2016, 86, 935-942.	3.0	10
10	Mechanism analysis and parameter optimisation of electro discharge machining of titanium-zirconium-molybdenum alloy. Journal of Manufacturing Processes, 2018, 32, 773-781.	5.9	9
11	Non-productive time optimization for 5-axis EDM drilling using HVNTS algorithm. International Journal of Production Research, 2021, 59, 5068-5082.	7.5	8
12	Investigation of the nanoscale features fabricated on the HOPG surface induced by STM electric lithography under different voltage regions in ambient conditions. Precision Engineering, 2013, 37, 473-482.	3.4	7
13	Blasting Erosion Arc Machining of Turbine Blisk Flow Channel with Laminated Electrode. Procedia CIRP, 2016, 42, 317-321.	1.9	6
14	Jump Motion Planning for Shrouded Blisks Multi-Axis EDM with Short Line Segments. Procedia CIRP, 2018, 68, 399-404.	1.9	5
15	Study on Adaptive Servo Control Strategy of WEDM Based on Discharge State Detector. Procedia CIRP, 2020, 95, 354-359.	1.9	5
16	Angular Movement Ratio Planning of the Rotary Axes for Shrouded Blisks Multi-Axis EDM. Procedia CIRP, 2016, 42, 206-209.	1.9	3
17	Non-circular parametric curve and curved surface interpolation and tool compensation for WEDM based on unit arc length increment method. International Journal of Advanced Manufacturing Technology, 2017, 88, 1257-1266.	3.0	3
18	Smoothing the extrapolation of four-axis simultaneous control in ruled surface WEDM. Procedia CIRP, 2020, 95, 279-284.	1.9	0