

Amir Abdullah

List of Publications by Year in descending order

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29
papers

626
citations

567281

15
h-index

610901

24
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29
all docs

29
docs citations

29
times ranked

430
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ultrasonic vibration of tool on electrical discharge machining of cemented tungsten carbide (WC-Co). International Journal of Advanced Manufacturing Technology, 2008, 38, 1137-1147.	3.0	75
2	An approach to design a high power piezoelectric ultrasonic transducer. Journal of Electroceramics, 2009, 22, 369-382.	2.0	75
3	Effect of ultrasonic-assisted EDM on the surface integrity of cemented tungsten carbide (WC-Co). International Journal of Advanced Manufacturing Technology, 2009, 41, 268-280.	3.0	70
4	Improving accuracy of curved corners in wire EDM successive cutting. International Journal of Advanced Manufacturing Technology, 2015, 76, 447-459.	3.0	35
5	Correct Prediction of the Vibration Behavior of a High Power Ultrasonic Transducer by FEM Simulation. International Journal of Advanced Manufacturing Technology, 2008, 39, 21-28.	3.0	32
6	Effects of high power ultrasonic vibration on temperature distribution of workpiece in dry creep feed up grinding. Ultrasonics Sonochemistry, 2017, 39, 392-402.	8.2	32
7	Ultrasonic assisted hot metal powder compaction. Ultrasonics Sonochemistry, 2017, 38, 704-710.	8.2	30
8	Numerical study on the dynamics of an electrical discharge generated bubble in EDM. Engineering Analysis With Boundary Elements, 2006, 30, 503-514.	3.7	29
9	Experimental study on ultrasonic use in dry creep-feed up-grinding of aluminum 7075 and Steel X210Cr12. International Journal of Precision Engineering and Manufacturing, 2013, 14, 191-198.	2.2	27
10	Numerical and experimental study on the effect of vibration of the tool in ultrasonic assisted EDM. International Journal of Advanced Manufacturing Technology, 2007, 32, 719-731.	3.0	25
11	Investigation on the effects of ultrasonic vibration on material removal rate and surface roughness in wire electrical discharge turning. International Journal of Advanced Manufacturing Technology, 2014, 70, 1235-1246.	3.0	22
12	Ultrasonic hot powder compaction of Ti-6Al-4V. Ultrasonics Sonochemistry, 2017, 37, 640-647.	8.2	21
13	Effects of high power ultrasonic vibration on the cold compaction of titanium. Ultrasonics Sonochemistry, 2017, 36, 155-161.	8.2	21
14	Experimental and Numerical Investigation on the macroscopic characteristics of the jet discharging from gaseous direct injector. Journal of Mechanical Science and Technology, 2014, 28, 773-781.	1.5	19
15	Study of the behavior of ultrasonic piezo-ceramic actuators by simulations. Electronic Materials Letters, 2014, 10, 37-42.	2.2	18
16	Precision control of a piezo-actuated micro telemanipulation system. International Journal of Precision Engineering and Manufacturing, 2010, 11, 55-65.	2.2	12
17	Numerical Simulation of Acoustic Streaming for Nonlinear Standing Ultrasonic Wave in Water Inside Axisymmetric Enclosure. Engineering Applications of Computational Fluid Mechanics, 2012, 6, 366-382.	3.1	12
18	Investigation of ultrasonic-assisted wire electrical discharge turning based on single discharge analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1372-1380.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Theoretical and experimental analysis of machining errors on small arced corners during WEDM finishing stages. <i>Machining Science and Technology</i> , 2019, 23, 734-757.	2.5	11
20	FABRICATION OF STM TUNGSTEN NANOTIP BY ELECTROCHEMICAL ETCHING METHOD. <i>International Journal of Nanoscience</i> , 2009, 08, 305-310.	0.7	9
21	Theoretical and experimental analyses of ultrasonic-assisted indentation forming of tube. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2014, 228, 388-398.	2.4	9
22	Research on the importance of tool-workpiece separation in ultrasonic vibration-assisted milling. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017, 231, 600-607.	2.4	7
23	Ultrasonically Stir Cast SiO ₂ /A356 Metal Matrix Nanocomposites. <i>Metals</i> , 2021, 11, 2004.	2.3	7
24	Simple method for measuring vibration amplitude of high power airborne ultrasonic transducer: Using thermo-couple. <i>Ultrasonics</i> , 2014, 54, 821-825.	3.9	5
25	Experimental investigation on Ultrasonic Assisted Drilling (UAD). <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	5
26	Modelling and optimisation of the process parameters in ultrasonic-assisted wire electrical discharge turning. <i>Advances in Materials and Processing Technologies</i> , 2015, 1, 338-349.	1.4	3
27	Influence of ultrasonic vibrations on the properties of press-and-sintered titanium. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2022, 236, 1518-1525.	2.4	2
28	Identification of a Three Phase Panel Type Electrostatic Actuator. , 2008, , .		1
29	Using polytopic uncertainty to model linearization errors for hydraulic actuator position control. , 2015, , .		0