

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,030
citations

21
h-index

30
g-index

49
ext. papers

1,178
ext. citations

3.3
avg, IF

4.62
L-index

#	Paper	IF	Citations
49	Electro-thermal modelling of anode and cathode in micro-EDM. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2513-2521	3	135
48	Effects of powder additives suspended in dielectric on crater characteristics for micro electrical discharge machining. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, N91-N98	2	55
47	Effects of rotor electrode in the fabrication of high aspect ratio microstructures by localized electrochemical deposition. <i>Journal of Micromechanics and Microengineering</i> , 2001 , 11, 435-442	2	55
46	Magnetic field assisted micro electro-discharge machining. <i>Journal of Micromechanics and Microengineering</i> , 2004 , 14, 1526-1529	2	54
45	On the effects of ultrasonic vibrations on localized electrochemical deposition. <i>Journal of Micromechanics and Microengineering</i> , 2002 , 12, 271-279	2	48
44	Effects of ultrasonic vibrations in micro electro-discharge machining of microholes. <i>Journal of Micromechanics and Microengineering</i> , 1999 , 9, 345-352	2	43
43	A New Pulse Discriminating System for Micro-EDM. <i>Materials and Manufacturing Processes</i> , 2009 , 24, 1297-1305	4.1	40
42	Chip Formation in Machining Particle-Reinforced Metal Matrix Composites. <i>Materials and Manufacturing Processes</i> , 1998 , 13, 85-100	4.1	39
41	Investigation of biodiesel dielectric in sustainable electrical discharge machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 2549-2556	3.2	34
40	Investigation of recast layers generated by a powder-mixed dielectric micro electrical discharge machining process. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2011 , 225, 1051-1062	2.4	32
39	Modelling of overlapping craters in micro-electrical discharge machining. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 205302	3	32
38	A novel spark erosion technique for the fabrication of high aspect ratio micro-grooves. <i>Microsystem Technologies</i> , 2004 , 10, 628-632	1.7	32
37	State-of-the-art on vibratory finishing in the aviation industry: an industrial and academic perspective. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 415-429	3.2	31
36	A review on the state-of-the-art of surface finishing processes and related ISO/ASTM standards for metal additive manufactured components. <i>Virtual and Physical Prototyping</i> , 2021 , 16, 68-96	10.1	31
35	Analysis of decision-making methodologies for desirability score of conceptual design. <i>Journal of Engineering Design</i> , 2004 , 15, 195-208	1.8	26
34	Tool condition monitoring using reflectance of chip surface and neural network. <i>Journal of Intelligent Manufacturing</i> , 2000 , 11, 507-514	6.7	24
33	A Method for Green Process Planning in Electric Discharge Machining. <i>International Journal of Advanced Manufacturing Technology</i> , 1999 , 15, 287-291	3.2	23

32	A cost-tolerance model for process sequence optimisation. <i>International Journal of Advanced Manufacturing Technology</i> , 1996 , 12, 423-431	3.2	23
31	Surface roughness model for micro electrical discharge machining. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2009 , 223, 279-287	2.4	22
30	Process sequence optimization based on a new cost tolerance model. <i>Journal of Intelligent Manufacturing</i> , 1998 , 9, 29-37	6.7	22
29	Effects of ambient pressure and fluid temperature in ultrasonic cavitation machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 98, 2883-2894	3.2	21
28	A new technique using foil electrodes for the electro-discharge machining of micro grooves. <i>Journal of Micromechanics and Microengineering</i> , 2003 , 13, N1-N5	2	17
27	A new approach for force measurement and workpiece clamping in micro-ultrasonic machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 517-522	3.2	16
26	Analytical approximation of the erosion rate and electrode wear in micro electrical discharge machining. <i>Journal of Micromechanics and Microengineering</i> , 2008 , 18, 085011	2	14
25	A rule-based frame system for concurrent assembly machines. <i>International Journal of Advanced Manufacturing Technology</i> , 1996 , 12, 370-376	3.2	14
24	Bubble dynamics and cavitation intensity in milli-scale channels under an ultrasonic horn. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104666	8.9	13
23	Modeling of Recast Layer in Micro-Electrical Discharge Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2010 , 132,	3.3	13
22	Integrated knowledge-based machining system for rotational parts. <i>International Journal of Production Research</i> , 1991 , 29, 1325-1337	7.8	13
21	Flexible tooling for localized electrochemical deposition with wire-electrodischarge grinding. <i>Microsystem Technologies</i> , 2004 , 10, 127-136	1.7	10
20	Material removal prediction for contact wheels based on a dynamic pressure sensor. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 93, 945-951	3.2	9
19	Simulation of Surface Integrity for Nanopowder-Mixed Dielectric in Micro Electrical Discharge Machining. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013 , 44, 711-721	2.5	9
18	A novel approach to vibratory finishing: Double vibro-polishing. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 998-1003	4.1	9
17	Pressure distribution of serrated contact wheels—Experimental and numerical analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 3407-3419	3.2	8
16	Investigation of Cutting Temperature and Tool Wear in Diamond Cutting of Glasses. <i>Materials and Manufacturing Processes</i> , 1999 , 14, 875-885	4.1	8
15	Knowledge-based systems in the machining domain. <i>International Journal of Advanced Manufacturing Technology</i> , 1991 , 6, 35-44	3.2	8

14	Kinematic analysis and design optimization of a cable-driven universal joint module 2009 ,		7
13	An Adaptive Speed Control System for Micro Electro Discharge Machining 2009 ,		7
12	Assessment of health hazards in production of printed paper packages. <i>International Journal of Advanced Manufacturing Technology</i> , 1998 , 14, 376-384	3.2	7
11	The effect of ultrasound in micro electro discharge machining on surface roughness. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2001 , 215, 271-276	2.4	5
10	Effects of high frequency vibratory finishing of aerospace components. <i>Journal of Mechanical Science and Technology</i> , 2019 , 33, 1809-1815	1.6	4
9	Critical wall thickness in electrical discharge machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 821-828	3.2	4
8	Development of a Novel Sonophoresis Micro-device. <i>Biomedical Microdevices</i> , 2003 , 5, 201-206	3.7	4
7	Optimal Design of a Bio-Inspired Anthropocentric Shoulder Rehabilitator. <i>Applied Bionics and Biomechanics</i> , 2006 , 3, 199-208	1.6	4
6	Surface motion analysis of double vibro-polishing of Ti-6Al-4 V. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 1113-1122	3.2	1
5	Higher Order Asymptotic Analysis of Impedance Wedge Using Uniform Theory of Diffraction. <i>Electromagnetics</i> , 2007 , 27, 23-39	0.8	1
4	Fabrication of microcylindrical parts based on a novel grinding apparatus. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2000 , 214, 245-249	2.4	1
3	A tandem approach to selection of machinability data. <i>International Journal of Advanced Manufacturing Technology</i> , 1995 , 10, 79-86	3.2	1
2	Development of in situ Monitoring and Control of Micro-EDM Process 2007 , 81-84		1
1	Collision-free insertion of components on PCBs using spatial representation technique. <i>International Journal of Advanced Manufacturing Technology</i> , 1996 , 11, 162-171	3.2	