

Asif Iqbal

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.

48
papers

520
citations

14
h-index

20
g-index

55
ext. papers

728
ext. citations

3.8
avg, IF

4.35
L-index

#	Paper	IF	Citations
48	Numerical optimization of hole making in GFRP composite using abrasive water jet machining process 2015 , 38, 66-76		42
47	Modeling the effects of cutting parameters in MQL-employed finish hard-milling process using D-optimal method. <i>Journal of Materials Processing Technology</i> , 2008 , 199, 379-390	5.3	42
46	Evaluation of machinability and economic performance in cryogenic-assisted hard turning of β titanium: a step towards sustainable manufacturing. <i>Machining Science and Technology</i> , 2019 , 23, 1022-1046	10.3	27
45	Vibration-based piezoelectric, electromagnetic, and hybrid energy harvesters for microsystems applications: A contributed review. <i>International Journal of Energy Research</i> , 2021 , 45, 65-102	4.5	26
44	A sustainability comparison between conventional and high-speed machining. <i>Journal of Cleaner Production</i> , 2015 , 108, 192-206	10.3	25
43	A rule-based system for trade-off among energy consumption, tool life, and productivity in machining process. <i>Journal of Intelligent Manufacturing</i> , 2015 , 26, 1217-1232	6.7	24
42	On the effects of cutting speed and cooling methodologies in grooving operation of various tempers of β titanium alloy. <i>Journal of Materials Processing Technology</i> , 2013 , 213, 1027-1037	5.3	23
41	Energy-efficient cellular manufacturing system: Eco-friendly revamping of machine shop configuration. <i>Energy</i> , 2018 , 163, 863-872	7.9	20
40	Effect of liquid nitrogen cooling on surface integrity in cryogenic milling of Ti-6Al-4 V titanium alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 1497-1508	3.2	20
39	Machinability comparison of AISI 4340 and Ti-6Al-4V under cryogenic and hybrid cooling environments: A knowledge engineering approach. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015 , 229, 2144-2164	2.4	19
38	Effects of tool life criterion on sustainability of milling. <i>Journal of Cleaner Production</i> , 2016 , 139, 1105-1117	11.3	19
37	Between-the-Holes Cryogenic Cooling of the Tool in Hole-Making of Ti-6Al-4V and CFRP. <i>Materials</i> , 2021 , 14,	3.5	18
36	Comparison of fuzzy expert system based strategies of offline and online estimation of flank wear in hard milling process. <i>Expert Systems With Applications</i> , 2007 , 33, 61-66	7.8	17
35	Optimization of abrasive water jet cutting of ductile materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 88-92	1	16
34	Machining β titanium alloy under carbon dioxide snow and micro-lubrication: a study on tool deflection, energy consumption, and tool damage. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 4195-4208	3.2	14
33	Readiness of subtractive and additive manufacturing and their sustainable amalgamation from the perspective of Industry 4.0: a comprehensive review. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 111, 2475-2498	3.2	14
32	Multimodal Hybrid Piezoelectric-Electromagnetic Insole Energy Harvester Using PVDF Generators. <i>Electronics (Switzerland)</i> , 2020 , 9, 635	2.6	13

31	Sustainable Milling of Ti-6Al-4V: Investigating the Effects of Milling Orientation, Cutter's Helix Angle, and Type of Cryogenic Coolant. <i>Metals</i> , 2020 , 10, 258	2.3	13
30	Enhancement of tool life in drilling of hardened AISI 4340 steel using 3D FEM modeling. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 95, 1875-1889	3.2	13
29	A comparative study on the use of drilling and milling processes in hole making of GFRP composite. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2013 , 38, 743-760	1	12
28	Response surface analysis of cold formability of polymers in Incremental Sheet Forming: Effect of parameters and associated thermal softening. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016 , 17, 613-621	1.7	12
27	Life Cycle Assessment of a Diesel Engine Based on an Integrated Hybrid Inventory Analysis Model. <i>Procedia CIRP</i> , 2014 , 15, 496-501	1.8	11
26	Comparative analyses of multi-pass face-turning of a titanium alloy under various cryogenic cooling and micro-lubrication conditions. <i>International Journal of Lightweight Materials and Manufacture</i> , 2019 , 2, 388-396	2.2	9
25	Wear behavior of natural diamond tool in cutting tungsten-based alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 69, 329-335	3.2	7
24	Self-developing fuzzy expert system: a novel learning approach, fitting for manufacturing domain. <i>Journal of Intelligent Manufacturing</i> , 2010 , 21, 761-776	6.7	7
23	CFRP drilling under throttle and evaporative cryogenic cooling and micro-lubrication. <i>Composite Structures</i> , 2021 , 267, 113916	5.3	7
22	Numerical calculation and experimental research on crack arrest by detour effect and joule heating of high pulsed current in remanufacturing. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2014 , 27, 745-753	2.5	5
21	Investigating the impact of tool inertia on machinability of a titanium alloy using tool deflection and acoustic emission. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019 , 233, 1745-1760	2.4	5
20	Optimal formation of fuzzy rule-base for predicting process performance measures. <i>Expert Systems With Applications</i> , 2011 , 38, 4802-4808	7.8	4
19	Modeling Milling Process Using Artificial Neural Network. <i>Advanced Materials Research</i> , 2012 , 628, 128-134	3.4	4
18	Modelling and Analysis of Surface Evolution on Turning of Hard-to-Cut CLARM 30NiCrMoV14 Steel Alloy. <i>Metals</i> , 2021 , 11, 1751	2.3	4
17	A sustainability comparison between drilling and milling for hole-enlargement in machining of hardened steels. <i>Machining Science and Technology</i> , 2019 , 23, 712-733	2	3
16	Simulation and experiment for crack arrest in remanufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 87, 1547-1556	3.2	3
15	Application of Computational Intelligence and Knowledge-Based System in Predicting Flow Stress of AISI 4340. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 8253-8263		3
14	Influence of Cutter's Helix Angle, Workpiece Hardness, Milling Orientation, and MQL in High-Speed Side Milling of AISI D2. <i>Materials Science Forum</i> , 2006 , 532-533, 45-48	0.4	3

13	Micro-milling of 65 vol% SiCp/Al composites with a novel laser-assisted hybrid process. <i>Ceramics International</i> , 2020 , 46, 26121-26128	5.1	3
12	Experimental study on the meso-scale milling of tungsten carbide WC-17.5Co with PCD end mills. <i>Advances in Manufacturing</i> , 2020 , 8, 230-241	2.7	3
11	Incorporating Energy Efficiency in Performance Measures of Machining: Experimental Investigation and Optimization. <i>Materials Forming, Machining and Tribology</i> , 2017 , 47-65	0.5	1
10	Role of Tool Size in Suppressing Defects in SPIF Process. <i>Advanced Materials Research</i> , 2013 , 746, 167-170.	2.5	1
9	Comparison of machinability and economic aspects in turning of Haynes-25 alloy under novel hybrid cryogenic-LN oils-on-water approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 105-110	3.2	1
8	Thermophysical, tribological, and machinability characteristics of newly developed sustainable hybrid lubri-coolants for milling Ti-6Al-4V. <i>Journal of Manufacturing Processes</i> , 2022 , 73, 572-594	5	1
7	Sustainable hole-making in a titanium alloy using throttle and evaporative cryogenic cooling and micro-lubrication. <i>Journal of Manufacturing Processes</i> , 2021 , 67, 212-225	5	1
6	Sustainable Machining: Tool Life Criterion Based on Work Surface Quality. <i>Processes</i> , 2022 , 10, 1087	2.9	1
5	Barriers to Green Entrepreneurship: An ISM-Based Investigation. <i>Journal of Risk and Financial Management</i> , 2020 , 13, 249	2.4	0
4	Rating a Researcher's Cumulative Scholarly Output Based on Their Sequence Numbers in Multi-Authored Publications. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1846	2.6	0
3	Heat Transfer and Pressure Drop in Wavy-Walled Tubes: A Parameter-BASED CFD Study. <i>Fluids</i> , 2020 , 5, 202	1.6	0
2	Sustainability-based holistic assessment and determination of optimal resource consumption for energy-efficient machining of hardened steel. <i>Journal of Cleaner Production</i> , 2021 , 319, 128674	10.3	0
1	Assessment of energy consumption, carbon emissions and cost metrics under hybrid MQL-Dry ice blasting system: A novel cleaner production technology for manufacturing sectors. <i>Journal of Cleaner Production</i> , 2022 , 132111	10.3	0