

# Anayet U Patwari

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

34  
papers

116  
citations

6  
h-index

10  
g-index

40  
ext. papers

125  
ext. citations

0.7  
avg, IF

1.95  
L-index

#	Paper	IF	Citations
34	The surface roughness analysis using sound signal in turning of mild steel. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 703, 012011	0.4	
33	An Improvement in Welded Joint Using Vibration Assisted Arc Welding. <i>MATEC Web of Conferences</i> , <b>2018</b> , 221, 04004	0.3	
32	Tool Life Improvement by Externally Applied Ultrasonic Waves in Cutting Process of Dry Turning Operation of Mild Steel. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 860, 58-63	0.3	
31	Investigation of Quality of Drilled Holes by Guiding the Drill Bit Using Permanent Magnet on a Glass Fibre Reinforced Polymer Composite Material. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 860, 64-69	0.3	
30	Development of a Passive Damping Tool Holder for the Improvement of Surface Roughness in Turning Operation of Stainless Steel. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 860, 70-73	0.3	1
29	3D CFD Based Optimization Technique for Muffler Design of a Motorcycle. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 860, 52-57	0.3	
28	Surface Roughness Optimization in Turning Operation Using Hybrid Algorithm of Artificial Bee Colony with RSM. <i>Advanced Materials Research</i> , <b>2015</b> , 1101, 393-396	0.5	
27	Thermal Investigation of Vortex Generated Green Coolant on Surface Texture for Drilling Process. <i>Procedia Engineering</i> , <b>2015</b> , 105, 808-813		2
26	Investigation of Machinability Responses During Magnetic Field Assisted Turning Process of Preheated Mild Steel. <i>Procedia Engineering</i> , <b>2013</b> , 56, 713-718		6
25	Effect of Ultrasonic Sound Signal on Machinability Control during Turning Operation of Mild Steel. <i>International Journal of Electrical Energy</i> , <b>2013</b> , 113-116	2	
24	Improvement of Machinability of Mild Steel during Turning Operation by Magnetic Cutting. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , <b>2012</b> , 2, 207	1.6	4
23	Enhancement of Machinability of Inconel 718 in End Milling through Online Induction Heating of Workpiece. <i>Advanced Materials Research</i> , <b>2011</b> , 415-417, 420-423	0.5	2
22	Improvement of Surface Roughness in End Milling of Ti6Al4V by Coupling RSM with Genetic Algorithm. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1154-1159	0.5	
21	Artificial Intelligence Model of Surface Roughness for End Milling Operation of Steel and its Verification by Genetic Algorithm. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 110-116, 3459-3464	0.3	
20	Machinability Improvement by Workpiece Preheating during End Milling AISI H13 Hardened Steel. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 894-900	0.5	1
19	Prediction and Investigation of Surface Quality in High Speed End-Milling of Silicon to Eliminate Conventional Finishing Operations. <i>Advanced Materials Research</i> , <b>2011</b> , 418-420, 1237-1241	0.5	
18	Chip Serration Frequency - The Primary Cause of Chatter during End Milling Operation. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1174-1179	0.5	

17	Statistical Approach for the Development of Tangential Cutting Force Model in End Milling of Ti6Al4V. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1160-1165	0.5	
16	Surface Roughness Prediction in High Speed Flat End Milling of Ti-6Al- 4V and Optimization by Desirability Function of RSM. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1166-1173	0.5	3
15	Machinability Improvement by Workpiece Preheating during End Milling AISI H13 Hardened Steel. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 888-893	0.5	1
14	Investigation of the Machinability of Inconel 718 in Room Temperature and Preheated Conditions. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1187-1192	0.5	1
13	Prediction of Surface Roughness in High Speed Machining of Inconel 718. <i>Advanced Materials Research</i> , <b>2011</b> , 264-265, 1193-1198	0.5	0
12	Influence of Chip Serration Frequency on Chatter Formation During End Milling of Ti6Al4V. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	3.3	11
11	PREDICTION OF TANGENTIAL CUTTING FORCE IN END MILLING OF MEDIUM CARBON STEEL BY COUPLING DESIGN OF EXPERIMENT AND RESPONSE SURFACE METHODOLOGY. <i>Journal of the Institution of Engineers, Bangladesh</i> , <b>2010</b> , 40, 95-103	0.4	6
10	Role of Chip Serration Frequency in Chatter Formation during End Milling Operation of Stainless Steel. <i>Advanced Materials Research</i> , <b>2010</b> , 97-101, 1989-1992	0.5	3
9	Development of a mathematical model for the prediction of chip formation instability and its verification by fuzzy logic with genetic algorithm. <i>International Journal of Machining and Machinability of Materials</i> , <b>2010</b> , 8, 38	0.7	1
8	ROLE OF DISCRETE NATURE OF CHIP FORMATION AND NATURAL VIBRATIONS OF SYSTEM COMPONENTS IN CHATTER FORMATION DURING METAL CUTTING. <i>IJUM Engineering Journal</i> , <b>2010</b> , 11, 124-138	1.2	12
7	Prediction of Tool Life and Experimental Investigation during Hot Milling of AISI H13 Tool Steel. <i>Advanced Materials Research</i> , <b>2009</b> , 83-86, 190-197	0.5	
6	Investigations of Formation of Chatter in a Non-Wavy Surface during Thread Cutting and Turning Operations. <i>Advanced Materials Research</i> , <b>2009</b> , 83-86, 637-645	0.5	5
5	Dynamic Modal Analysis of Vertical Machining Centre Components. <i>Advances in Acoustics and Vibration</i> , <b>2009</b> , 2009, 1-10	0.8	14
4	Prediction and Investigation of Surface Response in High Speed End Milling of Ti-6Al-4V and Optimization by Genetic Algorithm. <i>Advanced Materials Research</i> , <b>2009</b> , 83-86, 1009-1015	0.5	1
3	Characterisation of dynamic behaviour of vertical machining centre components: experimental and simulation approaches. <i>International Journal of Engineering Systems Modelling and Simulation</i> , <b>2009</b> , 1, 231	0.2	1
2	Development of an artificial neural network algorithm for predicting the surface roughness in end milling of Inconel 718 alloy <b>2008</b> ,		8
1	Improvement of Formability by Oscillation of Internal Pressure in Pulsating Hydroforming of Tube. <i>CIRP Annals - Manufacturing Technology</i> , <b>2004</b> , 53, 215-218	4.9	31