

Abhilash P M

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

201
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

54
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction and analysis of process failures by ANN classification during wire-EDM of Inconel 718. <i>Advances in Manufacturing</i> , 2020, 8, 519-536.	6.1	38
2	ANFIS modelling of mean gap voltage variation to predict wire breakages during wire EDM of Inconel 718. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 31, 153-164.	4.5	28
3	Failure detection and control for wire EDM process using multiple sensors. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2021, 33, 315-326.	4.5	25
4	Sustainability improvement of WEDM process by analysing and classifying wire rupture using kernel-based naive Bayes classifier. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	18
5	Multi-response Optimization of Wire EDM of Inconel 718 Using a Hybrid Entropy Weighted GRA-TOPSIS Method. <i>Process Integration and Optimization for Sustainability</i> , 2022, 6, 61-72.	2.6	18
6	Wire EDM failure prediction and process control based on sensor fusion and pulse train analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 118, 1453-1467.	3.0	17
7	Surface integrity comparison of wire electric discharge machined Inconel 718 surfaces at different machining stabilities. <i>Procedia CIRP</i> , 2020, 87, 228-233.	1.9	14
8	Finite element modelling of orthogonal machining of hard to machine materials. <i>International Journal of Machining and Machinability of Materials</i> , 2015, 17, 543.	0.1	12
9	Performance monitoring and failure prediction system for wire electric discharge machining process through multiple sensor signals. <i>Machining Science and Technology</i> , 2022, 26, 245-275.	2.5	9
10	Machine-vision-based electrode wear analysis for closed loop wire EDM process control. <i>Advances in Manufacturing</i> , 2022, 10, 131-142.	6.1	8
11	Effect of wire material and discharge energy on productivity and surface integrity of WEDM-processed Inconel 718. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 4698-4719.	1.4	4