

Mariangela Quarto

List of Publications by Year in descending order

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16
papers

255
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932766

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1058022

14
g-index

17
all docs

17
docs citations

17
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-EDM optimization through particle swarm algorithm and artificial neural network. Precision Engineering, 2022, 73, 63-70.	1.8	41
2	Mechanical Characterization of AISI 316L Samples Printed Using Material Extrusion. Applied Sciences (Switzerland), 2022, 12, 1433.	1.3	14
3	Simulation Study of the Impact of COVID-19 Policies on the Efficiency of a Smart Clinic MRI Service. Healthcare (Switzerland), 2022, 10, 619.	1.0	2
4	Density and shrinkage evaluation of AISI 316L parts printed via FDM process. Materials and Manufacturing Processes, 2021, 36, 1535-1543.	2.7	47
5	A Comparison between Finite Element Model (FEM) Simulation and an Integrated Artificial Neural Network (ANN)-Particle Swarm Optimization (PSO) Approach to Forecast Performances of Micro Electro Discharge Machining (Micro-EDM) Drilling. Micromachines, 2021, 12, 667.	1.4	23
6	FEM model development for the simulation of a micro-drilling EDM process. International Journal of Advanced Manufacturing Technology, 2020, 106, 3095-3104.	1.5	10
7	Study on ZrB ₂ -Based Ceramics Reinforced with SiC Fibers or Whiskers Machined by Micro-Electrical Discharge Machining. Micromachines, 2020, 11, 959.	1.4	4
8	Energy consumption model for cutting operations in a stochastic environment. International Journal of Advanced Manufacturing Technology, 2020, 110, 2743-2752.	1.5	0
9	Micro-EDM milling of zirconium carbide ceramics. Precision Engineering, 2020, 65, 156-163.	1.8	21
10	Machinability and Energy Efficiency in Micro-EDM Milling of Zirconium Boride Reinforced with Silicon Carbide Fibers. Materials, 2019, 12, 3920.	1.3	15
11	Characterization of surfaces obtained by micro-EDM milling on steel and ceramic components. International Journal of Advanced Manufacturing Technology, 2018, 97, 2077-2085.	1.5	29
12	Towards the Prediction of Micro-EDM Drilling Performance on WC Varying the Hole Depth. Manufacturing Technology, 2018, 18, 1041-1047.	0.2	2
13	A model to predict manufacturing cost for micro-EDM drilling. International Journal of Advanced Manufacturing Technology, 2017, 91, 2843-2853.	1.5	14
14	Cost Index Model for the Process Performance Optimization of Micro-EDM Drilling on Tungsten Carbide. Micromachines, 2017, 8, 251.	1.4	12
15	Micro-electro discharge machining drilling of stainless steel with copper electrode: The influence of process parameters and electrode size. Advances in Mechanical Engineering, 2016, 8, 168781401667642.	0.8	19
16	Development of CO ₂ efficiency index for evaluating sustainability of microelectrical discharge drilling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , 095440542211119.	1.5	2