

# Mariangela Quarto

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

255  
citations

932766

10  
h-index

1058022

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

150  
citing authors

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