

Gianluca D'Urso

List of Publications by Year in descending order

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docs citations

29
times ranked

258
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	Special Issue of Materials focusing on "Finite Element Analysis and Models of Sustainable Manufacturing Processes". Materials, 2022, 15, 1116.	1.3	0
4	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
5	The effect of heat generated on mechanical properties of friction stir welded aluminum alloys. International Journal of Advanced Manufacturing Technology, 2021, 112, 1513-1528.	1.5	13
6	Density and shrinkage evaluation of AISI 316L parts printed via FDM process. Materials and Manufacturing Processes, 2021, 36, 1535-1543.	2.7	47
7	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
8	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
9	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
10	Energy consumption model for cutting operations in a stochastic environment. International Journal of Advanced Manufacturing Technology, 2020, 110, 2743-2752.	1.5	0
11	Stress enhanced intergranular corrosion of friction stir welded AA2024-T3. Engineering Failure Analysis, 2020, 111, 104483.	1.8	10
12	Effect of Load on the Corrosion Behavior of Friction Stir Welded AA 7075-T6 Aluminum Alloy. Materials, 2020, 13, 2600.	1.3	5
13	Stress Corrosion Cracking of Friction Stir-Welded AA-2024 T3 Alloy. Materials, 2020, 13, 2610.	1.3	11
14	Machinability and Energy Efficiency in Micro-EDM Milling of Zirconium Boride Reinforced with Silicon Carbide Fibers. Materials, 2019, 12, 3920.	1.3	15
15	Effects of Cooling Conditions on Microstructure and Mechanical Properties of Friction Stir Welded Butt Joints of Different Aluminum Alloys. Applied Sciences (Switzerland), 2019, 9, 5069.	1.3	12
16	Investigation on the Effects of Exchanged Power and Electrode Properties on Micro EDM Drilling of Stainless Steel. Manufacturing Technology, 2019, 19, 337-344.	0.2	3
17	Effects of Electrode and Workpiece Materials on the Sustainability of Micro-EDM Drilling Process. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1727-1734.	1.1	25
18	The influence of process parameters on mechanical properties and corrosion behavior of friction stir welded aluminum joints. Journal of Manufacturing Processes, 2018, 35, 1-15.	2.8	47

#	ARTICLE	IF	CITATIONS
19	Towards the Prediction of Micro-EDM Drilling Performance on WC Varying the Hole Depth. Manufacturing Technology, 2018, 18, 1041-1047.	0.2	2
20	The influence of process parameters on mechanical properties and corrosion behaviour of friction stir welded aluminum joints. Procedia Engineering, 2017, 207, 591-596.	1.2	13
21	Cost Index Model for the Process Performance Optimization of Micro-EDM Drilling on Tungsten Carbide. Micromachines, 2017, 8, 251.	1.4	12
22	Estimating the energy repartition in micro electrical discharge machining. Precision Engineering, 2016, 43, 479-485.	1.8	8
23	The formability of aluminum foam sandwich panels. International Journal of Material Forming, 2012, 5, 243-257.	0.9	24
24	The Simulation of Metal Foams Forming Processes. Key Engineering Materials, 2011, 473, 524-531.	0.4	0
25	The Effect of Sheet and Material Properties on Springback in Air Bending. Key Engineering Materials, 2007, 344, 277-284.	0.4	6
26	Surface alteration induced by machining. International Journal of Materials and Product Technology, 2007, 30, 52.	0.1	1
27	Analytical and Numerical Modeling of Strain Hardening in AISI 304 Steel Cutting. Advanced Materials Research, 0, 223, 381-390.	0.3	4
28	Friction Stir Spot Welding (FSSW) of Aluminum Sheets: Experimental and Simulative Analysis. Key Engineering Materials, 0, 549, 477-483.	0.4	12
29	The Downsizing Effects in EDM Drilling of Micro Holes. Key Engineering Materials, 0, 549, 503-510.	0.4	1