

Gianluca D'Urso

List of Publications by Year in descending order

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29
papers

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citations

840119

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docs citations

29
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of process parameters on mechanical properties and corrosion behavior of friction stir welded aluminum joints. <i>Journal of Manufacturing Processes</i> , 2018, 35, 1-15.	2.8	47
2	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
3	Micro-EDM optimization through particle swarm algorithm and artificial neural network. <i>Precision Engineering</i> , 2022, 73, 63-70.	1.8	41
4	Effects of Electrode and Workpiece Materials on the Sustainability of Micro-EDM Drilling Process. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 1727-1734.	1.1	25
5	The formability of aluminum foam sandwich panels. <i>International Journal of Material Forming</i> , 2012, 5, 243-257.	0.9	24
6	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
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	Mechanical Characterization of AISI 316L Samples Printed Using Material Extrusion. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1433.	1.3	14
9	The influence of process parameters on mechanical properties and corrosion behaviour of friction stir welded aluminum joints. <i>Procedia Engineering</i> , 2017, 207, 591-596.	1.2	13
10	The effect of heat generated on mechanical properties of friction stir welded aluminum alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 112, 1513-1528.	1.5	13
11	Friction Stir Spot Welding (FSSW) of Aluminum Sheets: Experimental and Simulative Analysis. <i>Key Engineering Materials</i> , 0, 549, 477-483.	0.4	12
12	Cost Index Model for the Process Performance Optimization of Micro-EDM Drilling on Tungsten Carbide. <i>Micromachines</i> , 2017, 8, 251.	1.4	12
13	Effects of Cooling Conditions on Microstructure and Mechanical Properties of Friction Stir Welded Butt Joints of Different Aluminum Alloys. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5069.	1.3	12
14	Stress Corrosion Cracking of Friction Stir-Welded AA-2024 T3 Alloy. <i>Materials</i> , 2020, 13, 2610.	1.3	11
15	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
16	Stress enhanced intergranular corrosion of friction stir welded AA2024-T3. <i>Engineering Failure Analysis</i> , 2020, 111, 104483.	1.8	10
17	Estimating the energy repartition in micro electrical discharge machining. <i>Precision Engineering</i> , 2016, 43, 479-485.	1.8	8
18	The Effect of Sheet and Material Properties on Springback in Air Bending. <i>Key Engineering Materials</i> , 2007, 344, 277-284.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Effect of Load on the Corrosion Behavior of Friction Stir Welded AA 7075-T6 Aluminum Alloy. <i>Materials</i> , 2020, 13, 2600.	1.3	5
20	Analytical and Numerical Modeling of Strain Hardening in AISI 304 Steel Cutting. <i>Advanced Materials Research</i> , 0, 223, 381-390.	0.3	4
21	Study on ZrB ₂ -Based Ceramics Reinforced with SiC Fibers or Whiskers Machined by Micro-Electrical Discharge Machining. <i>Micromachines</i> , 2020, 11, 959.	1.4	4
22	Investigation on the Effects of Exchanged Power and Electrode Properties on Micro EDM Drilling of Stainless Steel. <i>Manufacturing Technology</i> , 2019, 19, 337-344.	0.2	3
23	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
24	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
25	Surface alteration induced by machining. <i>International Journal of Materials and Product Technology</i> , 2007, 30, 52.	0.1	1
26	The Downsizing Effects in EDM Drilling of Micro Holes. <i>Key Engineering Materials</i> , 0, 549, 503-510.	0.4	1
27	The Simulation of Metal Foams Forming Processes. <i>Key Engineering Materials</i> , 2011, 473, 524-531.	0.4	0
28	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
29	Special Issue of Materials focusing on "Finite Element Analysis and Models of Sustainable Manufacturing Processes". <i>Materials</i> , 2022, 15, 1116.	1.3	0