Ã“scar RodrÃ-guez-Alabanda

List of Publications by Year
in descending order

26	180	1163117 8	1199594 12
papers	citations	h-index	g-index

27	27	27	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The influences of the variable speed and internal die geometry on the performance of two commercial soluble oils in the drawing process of pure copper fine wire. International Journal of Advanced Manufacturing Technology, 2022, 118, 3749-3760.	3.0	5
2	Influence of single point incremental forming on the quality and surface properties of parts manufactured with aluminized steel sheets pre-coated with PTFE. CIRP Journal of Manufacturing Science and Technology, 2022, 38, 215-229.	4.5	2
3	Manufacture of polyurethane foam parts for automotive industry using FDM 3D printed molds. CIRP Journal of Manufacturing Science and Technology, 2021, 32, 396-404.	4.5	45
4	Use of the support vector machine (SVM) algorithm to predict geometrical accuracy in the manufacture of molds via single point incremental forming (SPIF) using aluminized steel sheets. Journal of Materials Research and Technology, 2021, 15, 1562-1571.	5.8	12
5	Fine Electrolytic Tough Pitch Copper Multistage Wiredrawing Pass Schedule Design by Analytical and Numerical Methods. Proceedings (mdpi), 2020, 63, .	0.2	0
6	Experimental Study for the Stripping of PTFE Coatings on Al-Mg Substrates Using Dry Abrasive Materials. Materials, 2020, 13, 799.	2.9	7
7	Use of Data Mining Techniques for the Prediction of Surface Roughness of Printed Parts in Polylactic Acid (PLA) by Fused Deposition Modeling (FDM): A Practical Application in Frame Glasses Manufacturing. Polymers, 2020, 12, 840.	4.5	18
8	Achieving a Toothed Gear on Presses. Proceedings (mdpi), 2020, 63, .	0.2	0
9	Analysis, Validation and Optimization of the Multi-Stage Sequential Wiredrawing Process of EN AW-1370 Aluminium. Metals, 2019, 9, 1021.	2.3	6
10	Stripping of PFA Fluoropolymer Coatings Using a Nd:YAG Laser (Q-Switch) and an Yb Fiber Laser (CW). Polymers, 2019, 11, 1738.	4.5	8
11	A device for gear fabrication by hot rolling, on presses. Procedia Manufacturing, 2019, 32, 59-67.	1.9	1
12	Study on the Main Influencing Factors in the Removal Process of Non-Stick Fluoropolymer Coatings Using Nd:YAG Laser. Polymers, 2019, 11, 123.	4.5	8
13	Water-Repellent Fluoropolymer-Based Coatings. Coatings, 2019, 9, 293.	2.6	9
14	Superhydrophobic Cerium-Based Coatings on Al-Mg Alloys and Aluminized Steel. Coatings, 2019, 9, 774.	2.6	2
15	Machining time estimation using the geometrics features of the 2.5D pocket contour. Procedia Manufacturing, 2019, 41, 508-515.	1.9	3
16	Educational software tool based on the analytical methodology for design and technological analysis of multiâ€step drawing processes. Computer Applications in Engineering Education, 2019, 27, 38-48.	3.4	5
17	Incremental forming of non-stick pre-coated sheets. International Journal of Advanced Manufacturing Technology, 2019, 101, 3065-3071.	3.0	1
18	DETERMINATION OF THE STRAIN HARDENING LAW OF ELECTROLITIC COPPER PROCESSED BY WIREDARWING. Dyna (Spain), 2019, 94, 46-52.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Software implementation of a new analytical methodology applied to the multi-stage wire drawing process: the case study of the copper wire manufacturing line optimization. International Journal of Advanced Manufacturing Technology, 2018, 96, 2077-2089.	3.0	6
20	Evaluation of Substrates of Al-Mg and Aluminized Steel Coated With Non-Stick Fluoropolymers after the Removal of the Coating. Materials, 2018, 11, 2309.	2.9	4
21	Non-Stick Coatings in Aluminium Molds for the Production of Polyurethane Foam. Coatings, 2018, 8, 301.	2.6	10
22	Selection of Parameters and Strategies to Reduce Energy Consumption and Improve Surface Quality in EN-AW 7075 Molds Machining. Metals, 2018, 8, 688.	2.3	3
23	Manufacturing of Non-Stick Molds from Pre-Painted Aluminum Sheets via Single Point Incremental Forming. Applied Sciences (Switzerland), 2018, 8, 1002.	2.5	6
24	SELECTION OF THE FASTER POCKETING STRATEGIES FOR REDUCTION OF MACHINING TIME IN MANUFACTURING OF CAR WHEELS-RIMS. Dyna (Spain), 2018, 93, 321-324.	0.2	0
25	The Wire Drawing Process Simulation and the Optimization of Geometry Dies. Procedia Engineering, 2017, 181, 187-192.	1.2	18
26	AplicaciÃ³n transversal sobre calidad superficial en ingenierÃa de fabricaciÃ³n. Revista De InnovaciÃ³n Y Buenas PrÃ¡cticas Docentes, 0, , 30-38.	0.1	0