

# Áscar Rodríguez-Alabanda

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

180  
citations

1163117

8  
h-index

1199594

12  
g-index

27  
all docs

27  
docs citations

27  
times ranked

111  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The Wire Drawing Process Simulation and the Optimization of Geometry Dies. Procedia Engineering, 2017, 181, 187-192.	1.2	18
3	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
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	Non-Stick Coatings in Aluminium Molds for the Production of Polyurethane Foam. Coatings, 2018, 8, 301.	2.6	10
6	Water-Repellent Fluoropolymer-Based Coatings. Coatings, 2019, 9, 293.	2.6	9
7	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
8	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
9	Experimental Study for the Stripping of PTFE Coatings on Al-Mg Substrates Using Dry Abrasive Materials. Materials, 2020, 13, 799.	2.9	7
10	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
11	Manufacturing of Non-Stick Molds from Pre-Painted Aluminum Sheets via Single Point Incremental Forming. Applied Sciences (Switzerland), 2018, 8, 1002.	2.5	6
12	Analysis, Validation and Optimization of the Multi-Stage Sequential Wire Drawing Process of EN AW-1370 Aluminium. Metals, 2019, 9, 1021.	2.3	6
13	Educational software tool based on the analytical methodology for design and technological analysis of multi-step drawing processes. Computer Applications in Engineering Education, 2019, 27, 38-48.	3.4	5
14	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
15	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
16	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
17	Machining time estimation using the geometrics features of the 2.5D pocket contour. Procedia Manufacturing, 2019, 41, 508-515.	1.9	3
18	Superhydrophobic Cerium-Based Coatings on Al-Mg Alloys and Aluminized Steel. Coatings, 2019, 9, 774.	2.6	2

#	ARTICLE	IF	CITATIONS
19	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
20	A device for gear fabrication by hot rolling, on presses. Procedia Manufacturing, 2019, 32, 59-67.	1.9	1
21	Incremental forming of non-stick pre-coated sheets. International Journal of Advanced Manufacturing Technology, 2019, 101, 3065-3071.	3.0	1
22	Fine Electrolytic Tough Pitch Copper Multistage Wiredrawing Pass Schedule Design by Analytical and Numerical Methods. Proceedings (mdpi), 2020, 63, .	0.2	0
23	Aplicaci3n transversal sobre calidad superficial en ingenier3a de fabricaci3n. Revista De Innovaci3n Y Buenas Pr3cticas Docentes, 0, , 30-38.	0.1	0
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	DETERMINATION OF THE STRAIN HARDENING LAW OF ELECTROLITIC COPPER PROCESSED BY WIREDARWING. Dyna (Spain), 2019, 94, 46-52.	0.2	0
26	Achieving a Toothed Gear on Presses. Proceedings (mdpi), 2020, 63, .	0.2	0