Leandro GonzÃ¡lez Rovira

List of Publications by Year
in descending order

28 papers	607 citations	687363 13 h-index	610901 24 g-index
29 all docs	29 docs citations	29 times ranked	797 citing authors

#	Article	IF	Citations
1	Application of Commercial Surface Pretreatments on the Formation of Cerium Conversion Coating (CeCC) over High-Strength Aluminum Alloys 2024-T3 and 7075-T6. Metals, 2021, 11, 930.	2.3	7
2	A Review on the Abrasive Water-Jet Machining of Metalâ€“Carbon Fiber Hybrid Materials. Metals, 2021, 11, 164.	2.3	24
3	Assessment of the corrosion resistance of self-ordered anodic aluminum oxide (AAO) obtained in tartaric-sulfuric acid (TSA). Surface and Coatings Technology, 2020, 399, 126131.	4.8	20
4	The Role of Goldâ€Alumina Template in the Electrochemical Deposition of CeO 2 Nanotubes. Particle and Particle Systems Characterization, 2019, 36, 1900168.	2.3	3
5	Influence of Aerospace Standard Surface Pretreatment on the Intermetallic Phases and CeCC of 2024-T3 Al-Cu Alloy. Metals, 2019, 9, 320.	2.3	12
6	Modificaciones de la microestructura y la capa pasiva de la aleaciÃ³n 2024-T3 Al-Cu durante una limpieza quÃmica empleada en la industria aeroespacial. Revista De Metalurgia, 2019, 55, 144.	0.5	0
7	Adhesive behaviour of carbon fibre reinforced plastic panels manufactured using woven and unidirectional tape after ultraviolet laser surface treatment. Journal of Composite Materials, 2018, 52, 853-865.	2.4	14
8	Assessment of engineered surfaces roughness by high-resolution 3D SEM photogrammetry. Ultramicroscopy, 2017, 177, 106-114.	1.9	16
9	Topological optimization and manufacturing by Direct Metal Laser Sintering of an aeronautical part in 15-5PH stainless steel. Procedia Manufacturing, 2017, 13, 818-824.	1.9	20
10	Influence of Surface Pre-treatments on Laser Welding of Ti6Al4V Alloy. Journal of Materials Engineering and Performance, 2014, 23, 1568-1575.	2.5	13
11	Influence of CO2-Ar Mixtures as Shielding Gas on Laser Welding of Al-Mg Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 5711-5723.	2.2	8
12	Application of Laser Texturization to Increase the Depth of AA5083 Welds. Advanced Materials Research, 2012, 498, 37-42.	0.3	1
13	Laser welding of aeronautical and automobile aluminum alloys. , 2012, , .		3
14	Improvements of laser weldability of aluminum alloys by laser texturization. , 2012, , .		0
15	Laser texturization to improve absorption and weld penetration of aluminum alloys. Journal of Laser Applications, 2012, 24, .	1.7	6
16	Experimental correlation between metallographic evaluation and electrochemical noise in intergranular corrosion tests of aluminium alloys. Surface and Interface Analysis, 2012, 44, 1279-1286.	1.8	1
17	Synthesis of ceria-praseodimia nanotubes with high catalytic activity for CO oxidation. Catalysis Today, 2012, 180, 167-173.	4.4	26
18	Protection by Thermal and Chemical Activation with Cerium Salts of the Alloy AA2017 in Aqueous Solutions of NaCl. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 182-194.	2.2	4

#	Article	IF	Citations
19	Reply to comment on â€˜Formation and characterization of nanotubes of La(OH)₃obtained using porous alumina membranesâ€™. Nanotechnology, 2010, 21, 088002.	2.6	0
20	Direct sub-nanometer scale electron microscopy analysis of anion incorporation to self-ordered anodic alumina layers. Corrosion Science, 2010, 52, 3763-3773.	6.6	26
21	Laser welding of aluminium alloys 5083 and 6082 under conduction regime. Applied Surface Science, 2009, 255, 9512-9521.	6.1	88
22	Behaviour of the alloy AA2017 in aqueous solutions of NaCl. Part I: Corrosion mechanisms. Corrosion Science, 2009, 51, 518-524.	6.6	69
23	Single-Step Process To Prepare CeO₂ Nanotubes with Improved Catalytic Activity. Nano Letters, 2009, 9, 1395-1400.	9.1	113
24	Medida de ruido electroquÃmico para el estudio de procesos de corrosiÃ³n de aleaciones metÃ¡licas. Revista De Metalurgia, 2009, 45, 142-156.	0.5	5
25	Using EIS to analyse samples of Alâ€“Mg alloy AA5083 treated by thermal activation in cerium salt baths. Corrosion Science, 2008, 50, 1376-1384.	6.6	41
26	Formation and characterization of nanotubes of La(OH)3obtained using porous alumina membranes. Nanotechnology, 2008, 19, 495305.	2.6	34
27	Noise resistance and shot noise parameters on the study of IGC of aluminium alloys with different heat treatments. Electrochimica Acta, 2007, 52, 6569-6583.	5.2	41
28	Analysis of the Laser Weldability under Conduction Regime of 2024, 5083, 6082 and 7075 Aluminium Alloys. Materials Science Forum, 0, 713, 7-12.	0.3	6