# Leandro GonzÃ¡lez Rovira

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Single-Step Process To Prepare CeO<sub>2</sub> Nanotubes with Improved Catalytic Activity. Nano Letters, 2009, 9, 1395-1400. | 9.1 | 113 |
| 2 | Laser welding of aluminium alloys 5083 and 6082 under conduction regime. Applied Surface Science, 2009, 255, 9512-9521. | 6.1 | 88 |
| 3 | Behaviour of the alloy AA2017 in aqueous solutions of NaCl. Part I: Corrosion mechanisms. Corrosion Science, 2009, 51, 518-524. | 6.6 | 69 |
| 4 | 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 |
| 5 | 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 |
| 6 | Formation and characterization of nanotubes of La(OH)3obtained using porous alumina membranes. Nanotechnology, 2008, 19, 495305. | 2.6 | 34 |
| 7 | 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 |
| 8 | Synthesis of ceria-praseodimia nanotubes with high catalytic activity for CO oxidation. Catalysis Today, 2012, 180, 167-173. | 4.4 | 26 |
| 9 | A Review on the Abrasive Water-Jet Machining of Metalâ€“Carbon Fiber Hybrid Materials. Metals, 2021, 11, 164. | 2.3 | 24 |
| 10 | 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 |
| 11 | 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 |
| 12 | Assessment of engineered surfaces roughness by high-resolution 3D SEM photogrammetry. Ultramicroscopy, 2017, 177, 106-114. | 1.9 | 16 |
| 13 | 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 |
| 14 | Influence of Surface Pre-treatments on Laser Welding of Ti6Al4V Alloy. Journal of Materials Engineering and Performance, 2014, 23, 1568-1575. | 2.5 | 13 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Laser texturization to improve absorption and weld penetration of aluminum alloys. Journal of Laser Applications, 2012, 24, . | 1.7 | 6 |
| 20 | 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 |
| 21 | 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 |
| 22 | Laser welding of aeronautical and automobile aluminum alloys. , 2012, , . | | 3 |
| 23 | 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 |
| 24 | Application of Laser Texturization to Increase the Depth of AA5083 Welds. Advanced Materials Research, 2012, 498, 37-42. | 0.3 | 1 |
| 25 | 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 |
| 26 | Reply to comment on â€˜Formation and characterization of nanotubes of La(OH)<sub>3</sub>obtained using porous alumina membranesâ€™. Nanotechnology, 2010, 21, 088002. | 2.6 | 0 |
| 27 | Improvements of laser weldability of aluminum alloys by laser texturization. , 2012, , . | | 0 |
| 28 | 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 |