

Rafal Molak

List of Publications by Year in descending order

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389
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Study of Aluminium and Titanium Warm Sprayed Coatings on AZ91E Magnesium Alloy. <i>Materials</i> , 2022, 15, 2005.	2.9	1
2	Titanium matrix composites reinforced with biogenic filler. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
3	Influence of an aluminizing process on the microstructure and tensile strength of the nickel superalloy IN 718 produced by the Selective Laser Melting. <i>Vacuum</i> , 2021, 186, 110041.	3.5	22
4	Functional properties of the novel hybrid coatings combined of the oxide and DLC layer as a protective coating for AZ91E magnesium alloy. <i>Surface and Coatings Technology</i> , 2019, 380, 125040.	4.8	13
5	Corrosion Resistance of Aluminum Coatings Deposited by Warm Spraying on AZ91E Magnesium Alloy. <i>Corrosion</i> , 2019, 75, 668-679.	1.1	3
6	Microstructure and corrosion resistance of warm sprayed titanium coatings with polymer sealing for corrosion protection of AZ91E magnesium alloy. <i>Surface and Coatings Technology</i> , 2019, 363, 142-151.	4.8	33
7	The effect of microstructure anisotropy on low temperature fracture of ultrafine-grained iron. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 1166-1182.	3.8	3
8	Compression with oscillatory torsion applied after solution treatment and aging treatment of CuCr0.6 alloy for grain refinement: Microstructure, mechanical and electrical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 112-120.	5.6	8
9	Fatigue crack growth rate and tensile strength of Re modified Inconel 718 produced by means of selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 289-301.	5.6	25
10	Effects of Spray Parameters and Post-spray Heat Treatment on Microstructure and Mechanical Properties of Warm-Sprayed Ti-6Al-4V Coatings. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 627-647.	3.1	12
11	The effect of specimen size and surface conditions on the local mechanical properties of 14MoV6 ferritic-pearlitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 810-821.	5.6	21
12	Effects of Spray Parameters and Heat Treatment on the Microstructure and Mechanical Properties of Titanium Coatings Formed by Warm Spraying. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 1459-1479.	3.1	12
13	Warm Spray Forming of Ti-6Al-4V. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 197-212.	3.1	42
14	Fabrication of TiAl intermetallic phases by heat treatment of warm sprayed metal precursors. <i>Intermetallics</i> , 2014, 49, 57-64.	3.9	34
15	Digital Image Correlation measurements as a tool of composites deformation description. <i>Computational Materials Science</i> , 2012, 64, 157-161.	3.0	39
16	Measurement of mechanical properties in a 316L stainless steel welded joint. <i>International Journal of Pressure Vessels and Piping</i> , 2009, 86, 43-47.	2.6	91
17	Mechanical Properties of Aluminium Processed by ECAP. <i>Solid State Phenomena</i> , 2006, 114, 39-44.	0.3	0
18	Microstructure and Mechanical Properties of Aluminum Processed by Multi-Axial Compression. <i>Solid State Phenomena</i> , 0, 176, 21-28.	0.3	7