

Rafal Molak

List of Publications by Year in descending order

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18
papers

371
citations

840776

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g-index

18
all docs

18
docs citations

18
times ranked

389
citing authors

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