DThirumalaikumarasamy Duraisamy

List of Publications by Year
in descending order

19	308	933264 10	940416 16
papers	citations	h-index	g-index

19	19	19	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influences of atmospheric plasma spraying parameters on the porosity level of alumina coating on AZ31B magnesium alloy using response surface methodology. Progress in Natural Science: Materials International, 2012, 22, 468-479.	1.8	63
2	Comparison of the corrosion behaviour of AZ31B magnesium alloy under immersion test and potentiodynamic polarization test in NaCl solution. Journal of Magnesium and Alloys, 2014, 2, 36-49.	5.5	62
3	Effect of experimental parameters on the micro hardness of plasma sprayed alumina coatings on AZ31B magnesium alloy. Journal of Magnesium and Alloys, 2015, 3, 237-246.	5.5	27
4	Corrosion performance of atmospheric plasma sprayed alumina coatings on AZ31B magnesium alloy under immersion environment. Journal of Asian Ceramic Societies, 2014, 2, 403-415.	1.0	24
5	Effect of atmospheric plasma spraying parameters on porosity level of alumina coatings. Surface Engineering, 2012, 28, 759-766.	1.1	23
6	Influence of chloride ion concentration on immersion corrosion behaviour of plasma sprayed alumina coatings on AZ31B magnesium alloy. Journal of Magnesium and Alloys, 2014, 2, 325-334.	5.5	23
7	Prediction and optimization of process variables to maximize the Young's modulus of plasma sprayed alumina coatings on AZ31B magnesium alloy. Journal of Magnesium and Alloys, 2017, 5, 133-145.	5.5	19
8	Establishing empirical relationships to predict porosity level and corrosion rate of atmospheric plasma-sprayed alumina coatings on AZ31B magnesium alloy. Journal of Magnesium and Alloys, 2014, 2, 140-153.	5.5	15
9	Slurry Erosion Behavior of HVOF-Sprayed Amorphous Coating on Stainless Steel. Metallography, Microstructure, and Analysis, 2019, 8, 462-471.	0.5	11
10	Selection of coating material for magnesium alloy using Fuzzy AHP-TOPSIS. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	11
11	Developing an Empirical Relationship to Predict Corrosion Rate of AZ31B Magnesium Alloy under Sodium Chloride Environment. Transactions of the Indian Institute of Metals, 2014, 67, 19-32.	0.7	7
12	Electrochemical corrosion behaviour of HVOF sprayed iron-based amorphous metallic coatings on AISI 316 stainless steel in an NaCl solution. Journal of the Mechanical Behavior of Materials, 2018, 27, .	0.7	7
13	Influence of pH, chloride ion concentration and spraying time on the corrosion behaviour of atmospheric plasma sprayed alumina coatings. Surface Engineering, 2014, 30, 183-194.	1.1	6
14	Experimental analyzing the static puncture resistance performance of shear thickening fluid impregnated polypropylene hybrid composite target structures for armour application. Journal of the Textile Institute, 2023, 114, 351-363.	1.0	5
15	Comparison of Artificial Neural Networks (ANN) and Response Surface Methodology (RSM) Modeling Approaches in Predicting the Deposition Efficiency of Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy. Journal of Advanced Microscopy Research, 2017, 12, 40-49.	0.3	4
16	Optimisation and sensitivity analysis of atmospheric plasma spraying parameters to minimise porosity in alumina coatings on AZ31B magnesium alloy. International Journal of Computational Materials Science and Surface Engineering, 2013, 5, 346.	0.2	1
17	Predicting the immersion corrosion behaviour in NaCl solution of atmospheric plasma sprayed alumina coatings on AZ31B magnesium alloy. International Journal of Computational Materials Science and Surface Engineering, 2015, 6, 130.	0.2	0
18	Prediction of Porosity Level and Corrosion Rate of Atmospheric Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy. Journal of Advanced Microscopy Research, 2013, 8, 201-221.	0.3	0

#	Article	IF	Citations
19	Effect of pH, Chloride Ion Concentration and Immersion Time on the Microstructural and Corrosion Properties of Atmospheric Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy Under Immersion Environment. Journal of Advanced Microscopy Research, 2016, 11, 62-71.	0.3	0