

Miroslava Horynova

List of Publications by Year in descending order

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papers

338
citations

1039880

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docs citations

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times ranked

453
citing authors

#	ARTICLE	IF	CITATIONS
1	A state-of-the-art review on passivation and biofouling of Ti and its alloys in marine environments. <i>Journal of Materials Science and Technology</i> , 2018, 34, 421-435.	5.6	118
2	Comparison of morphology and topography of surfaces of WEDM machined structural materials. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 104, 12-20.	2.5	36
3	Evaluation of fatigue life of AZ31 magnesium alloy fabricated by squeeze casting. <i>Materials & Design</i> , 2013, 45, 253-264.	5.1	31
4	High strength, biodegradable and cytocompatible alpha tricalcium phosphate-iron composites for temporal reduction of bone fractures. <i>Acta Biomaterialia</i> , 2018, 70, 293-303.	4.1	28
5	Design of tailored biodegradable implants: The effect of voltage on electrodeposited calcium phosphate coatings on pure magnesium. <i>Journal of the American Ceramic Society</i> , 2019, 102, 123-135.	1.9	23
6	Electro-sinter-forged Niâ€“Ti alloy. <i>Intermetallics</i> , 2016, 68, 31-41.	1.8	18
7	Effect of Laser Parameters on Processing of Biodegradable Magnesium Alloy WE43 via Selective Laser Melting Method. <i>Materials</i> , 2020, 13, 2623.	1.3	13
8	Assessment of localized corrosion under simulated physiological conditions of magnesium samples with heterogeneous microstructure: Value of X-ray computed micro-tomography platform. <i>Corrosion Science</i> , 2016, 104, 187-196.	3.0	12
9	Strength and fracture mechanism of iron reinforced tricalcium phosphate cermet fabricated by spark plasma sintering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 81, 16-25.	1.5	11
10	Spark Plasma Sintering of Load-Bearing Ironâ€“Carbon Nanotube-Tricalcium Phosphate CerMets for Orthopaedic Applications. <i>Jom</i> , 2016, 68, 1134-1142.	0.9	8
11	Failure analysis of casing of draft tube of turbine used in hydropower plant. <i>Engineering Failure Analysis</i> , 2017, 82, 848-854.	1.8	7
12	Spark Plasma Extrusion and the Thermal Barrier Concept. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2019, 50, 656-665.	1.0	7
13	Investigations of Wettability of Wear Resistant Coatings Produced by Atmospheric Plasma Spraying. <i>Solid State Phenomena</i> , 2017, 270, 230-235.	0.3	5
14	Analysis of surface defects of aluminium components with hard anodized layers. <i>Engineering Failure Analysis</i> , 2015, 56, 300-306.	1.8	3
15	Tricalcium Phosphate - Magnesium Interface: Microstructure and Properties. <i>Solid State Phenomena</i> , 0, 258, 412-415.	0.3	3
16	Interpenetrated Magnesiumâ€“Tricalcium Phosphate Composite: Manufacture, Characterization and In Vitro Degradation Test. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 319-325.	1.5	3
17	The Use of Microstructural Analysis for the Evaluation of Quality of Double-Wall Tubes. <i>Materials Science Forum</i> , 0, 891, 269-273.	0.3	3
18	Failure analysis of induction hardened injector body. <i>Engineering Failure Analysis</i> , 2015, 56, 538-544.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Failure analysis of massively failed compressed air cartridge. Engineering Failure Analysis, 2017, 82, 776-782.	1.8	2
20	Preparation of Metallographic Samples with Anodic Layers. Materials Science Forum, 2017, 891, 106-110.	0.3	2
21	Fracture Mechanism of Interpenetrating Iron-Tricalcium Phosphate Composite. Solid State Phenomena, 0, 258, 333-336.	0.3	1
22	Formation of Thermally Sprayed Coatings on Grid-Like Structure Substrate. Solid State Phenomena, 0, 258, 387-390.	0.3	1
23	Failure Analysis of Corrugated Hoses. Solid State Phenomena, 0, 270, 68-73.	0.3	1
24	Analysis of Cracked Spring Washer for Sleeper-Rail Joints. Key Engineering Materials, 2015, 647, 222-227.	0.4	0
25	Influence of Microstructural Parameters on the Corrosion Resistance of 7075 Aluminum Alloy. Materials Science Forum, 0, 891, 303-307.	0.3	0
26	Influence of Microstructure on Machinability of Material and its Final Surface Quality. Solid State Phenomena, 2017, 270, 112-117.	0.3	0
27	Analysis of Damage of Solder Joint of Heat Exchanger. Solid State Phenomena, 0, 270, 63-67.	0.3	0
28	Evaluation of Surface Degradation of Deoxidized AW-ALMg0.7Si Alloy. Solid State Phenomena, 2017, 270, 136-141.	0.3	0
29	Analysis of Surface Layer Defects on Carburized Steel Component after Alkaline Blackening. Materials Science Forum, 0, 891, 274-277.	0.3	0
30	<i>In Vitro</i> Corrosion Study of Selected Laser Melted WE43 Magnesium Alloy in Hank's Balanced Salt Solution. Key Engineering Materials, 0, 923, 113-118.	0.4	0