

# Miroslava Horynova

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Comparison of morphology and topography of surfaces of WEDM machined structural materials. Measurement: <i>Journal of the International Measurement Confederation</i> , 2017, 104, 12-20.	2.5	36
8	Interpenetrated Magnesium-Tricalcium Phosphate Composite: Manufacture, Characterization and In Vitro Degradation Test. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 319-325.	1.5	3
9	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
10	Failure analysis of massively failed compressed air cartridge. <i>Engineering Failure Analysis</i> , 2017, 82, 776-782.	1.8	2
11	Influence of Microstructure on Machinability of Material and its Final Surface Quality. <i>Solid State Phenomena</i> , 2017, 270, 112-117.	0.3	0
12	Investigations of Wettability of Wear Resistant Coatings Produced by Atmospheric Plasma Spraying. <i>Solid State Phenomena</i> , 2017, 270, 230-235.	0.3	5
13	Evaluation of Surface Degradation of Deoxidized AW-ALMg0.7Si Alloy. <i>Solid State Phenomena</i> , 2017, 270, 136-141.	0.3	0
14	Preparation of Metallographic Samples with Anodic Layers. <i>Materials Science Forum</i> , 2017, 891, 106-110.	0.3	2
15	Spark Plasma Sintering of Load-Bearing Iron-Carbon Nanotube-Tricalcium Phosphate CerMets for Orthopaedic Applications. <i>Jom</i> , 2016, 68, 1134-1142.	0.9	8
16	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
17	Electro-sinter-forged Ni-Ti alloy. <i>Intermetallics</i> , 2016, 68, 31-41.	1.8	18
18	Analysis of Cracked Spring Washer for Sleeper-Rail Joints. <i>Key Engineering Materials</i> , 2015, 647, 222-227.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Analysis of surface defects of aluminium components with hard anodized layers. Engineering Failure Analysis, 2015, 56, 300-306.	1.8	3
20	Failure analysis of induction hardened injector body. Engineering Failure Analysis, 2015, 56, 538-544.	1.8	2
21	Evaluation of fatigue life of AZ31 magnesium alloy fabricated by squeeze casting. Materials & Design, 2013, 45, 253-264.	5.1	31
22	Fracture Mechanism of Interpenetrating Iron-Tricalcium Phosphate Composite. Solid State Phenomena, 0, 258, 333-336.	0.3	1
23	Tricalcium Phosphate - Magnesium Interface: Microstructure and Properties. Solid State Phenomena, 0, 258, 412-415.	0.3	3
24	Formation of Thermally Sprayed Coatings on Grid-Like Structure Substrate. Solid State Phenomena, 0, 258, 387-390.	0.3	1
25	Influence of Microstructural Parameters on the Corrosion Resistance of 7075 Aluminum Alloy. Materials Science Forum, 0, 891, 303-307.	0.3	0
26	Analysis of Damage of Solder Joint of Heat Exchanger. Solid State Phenomena, 0, 270, 63-67.	0.3	0
27	Analysis of Surface Layer Defects on Carburized Steel Component after Alkaline Blackening. Materials Science Forum, 0, 891, 274-277.	0.3	0
28	The Use of Microstructural Analysis for the Evaluation of Quality of Double-Wall Tubes. Materials Science Forum, 0, 891, 269-273.	0.3	3
29	Failure Analysis of Corrugated Hoses. Solid State Phenomena, 0, 270, 68-73.	0.3	1
30	&lt;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