

# Michaela Remešová

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7984492/publications.pdf>

Version: 2024-02-01

25  
papers

123  
citations

1478505

6  
h-index

1281871

11  
g-index

25  
all docs

25  
docs citations

25  
times ranked

163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal cycling damage in pre-oxidized plasma-sprayed MCrAlY+YSZ thermal barrier coatings: Phenomenon of multiple parallel delamination of the TGO layer. <i>Surface and Coatings Technology</i> , 2020, 384, 125328.	4.8	12
2	Effects of anodizing conditions and the addition of Al <sub>2</sub> O <sub>3</sub> /PTFE particles on the microstructure and the mechanical properties of porous anodic coatings on the AA1050 aluminium alloy. <i>Applied Surface Science</i> , 2020, 513, 145780.	6.1	24
3	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.	3.8	23
4	Influence of isothermal oxidation on microstructure of YSZ and Mullite-YSZ thermal barrier coatings. <i>Procedia Structural Integrity</i> , 2019, 23, 378-383.	0.8	2
5	Failure of Gadolinium Zirconate and Yttria Stabilized Zirconia Thermal Barrier Coatings Subjected to High Temperature Calcia-Magnesia-Alumino-Silicate Attack. <i>Procedia Structural Integrity</i> , 2019, 23, 360-365.	0.8	3
6	Thermal cycling behaviour of plasma-sprayed thermal barrier coatings with pre-oxidized NiCrAlY and NiCoCrAlY bond-coats. <i>Procedia Structural Integrity</i> , 2019, 23, 439-444.	0.8	4
7	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.	2.1	7
8	Deposition of hydroxyapatite and tricalcium phosphate coatings by suspension plasma spraying: Effects of torch speed. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5489-5496.	5.7	14
9	Optimization of Molybdenum Powder Milling Parameters. <i>Metal Working and Material Science</i> , 2018, 20, 109-122.	0.3	2
10	Failure analysis of massively failed compressed air cartridge. <i>Engineering Failure Analysis</i> , 2017, 82, 776-782.	4.0	2
11	Improvement of the Laser-Induced Breakdown Spectroscopy method sensitivity by the usage of combination of Ag-nanoparticles and vacuum conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 127, 48-55.	2.9	23
12	Influence of Microstructure on Machinability of Material and its Final Surface Quality. <i>Solid State Phenomena</i> , 2017, 270, 112-117.	0.3	0
13	Evaluation of Surface Degradation of Deoxidized AW-ALMg0.7Si Alloy. <i>Solid State Phenomena</i> , 2017, 270, 136-141.	0.3	0
14	Failure Mechanism of Yttria Stabilized Zirconia Atmospheric Plasma Sprayed Thermal Barrier Coatings Subjected to Calcia-Magnesia-Alumino-Silicate Environmental Attack. <i>Solid State Phenomena</i> , 2017, 270, 39-44.	0.3	2
15	Preparation of Metallographic Samples with Anodic Layers. <i>Materials Science Forum</i> , 2017, 891, 106-110.	0.3	2
16	Comparative Analysis of Hard Anodized Layer on Aluminium Alloy. <i>Materials Science Forum</i> , 0, 782, 615-618.	0.3	1
17	Anodizing of Zinc-Titanium Alloy in NaOH and KOH Baths. <i>Solid State Phenomena</i> , 0, 258, 399-402.	0.3	1
18	Application of Metallographic Analysis Techniques for Detection and Identification of Spray Paint Defects. <i>Solid State Phenomena</i> , 0, 270, 118-123.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Analysis of Causes of Fractures of Terminal Board Bolts. Solid State Phenomena, 0, 270, 93-98.	0.3	0
20	Analysis of Surface Layer Defects on Carburized Steel Component after Alkaline Blackening. Materials Science Forum, 0, 891, 274-277.	0.3	0
21	Causal Analysis of Damage of a Cover. Solid State Phenomena, 0, 270, 57-62.	0.3	0
22	Evaluation of Microstructure, Phase Composition and Hardness of Alternative Abradable Ceramic Coating Systems Produced by Means of Atmospheric Plasma Spraying. Solid State Phenomena, 0, 296, 161-166.	0.3	0
23	Characterization of High-Speed Alumina Abrasive Grinding Wheel. Defect and Diffusion Forum, 0, 405, 365-369.	0.4	0
24	Thermal Cyclic Behaviour of Conventional YSZ and Mullite-YSZ Thermal Barrier Coatings. Defect and Diffusion Forum, 0, 405, 417-422.	0.4	0
25	Anodizing of Pure Magnesium in Sodium Hydroxide Electrolyte Solution. Defect and Diffusion Forum, 0, 405, 440-444.	0.4	0