

Jaromír Wasserbauer

List of Publications by Year in descending order

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1347
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Crystallization and Phase Transformation on the Mechanical and Electrochemical Corrosion Properties of Ni-P Coatings. Coatings, 2021, 11, 447.	1.2	14
2	Characterization and Corrosion Properties of Fluoride Conversion Coating Prepared on AZ31 Magnesium Alloy. Coatings, 2021, 11, 675.	1.2	12
3	Electrochemical Corrosion Behavior of Pure Mg Processed by Powder Metallurgy. Coatings, 2021, 11, 986.	1.2	1
4	Improving the corrosion resistance of AZ31 magnesium alloy by preparing hydroxyapatite with a superhydrophobized surface. , 2021, , .		0
5	Comparative study of fluoride conversion coating structure on two types of bulk magnesium materials. , 2021, , .		0
6	The Role of Humic Acid in the Corrosion of AZ31 Magnesium alloy. , 2021, , .		0
7	Improvement of AZ91 Alloy Corrosion Properties by Duplex Ni-P Coating Deposition. Materials, 2020, 13, 1357.	1.3	16
8	Structure and growth kinetic of unconventional fluoride conversion coating prepared on wrought AZ61 magnesium alloy. Surface and Coatings Technology, 2020, 399, 126101.	2.2	11
9	The Effect of Heat Treatment on Properties of Niâ€P Coatings Deposited on a AZ91 Magnesium Alloy. Coatings, 2019, 9, 461.	1.2	40
10	Degradation of unconventional fluoride conversion coating on AZ61 magnesium alloy in SBF solution. Surface and Coatings Technology, 2019, 380, 125012.	2.2	16
11	Improvement of electrochemical corrosion characteristics of AZ61 magnesium alloy with unconventional fluoride conversion coatings. Surface and Coatings Technology, 2019, 357, 638-650.	2.2	35
12	Microstructural characterization and wear behavior of WC-CoCr coating on AZ91 magnesium alloy. , 2019, , .		1
13	surface pre-treatment of aluminum alloys improving surface adhesive properties. , 2019, , .		0
14	ZE10 magnesium alloy corrosion properties improvement by unconventional fluoride conversion coating. , 2019, , .		0
15	Investigation of Ni-P coatings on AZ91 cast magnesium alloy. , 2019, , .		2
16	Spectral characterization and comparison of humic acids isolated from some European lignites. Fuel, 2018, 213, 123-132.	3.4	97
17	Characterization of Brittle Phase in Magnesium Based Materials Prepared by Powder Metallurgy. Key Engineering Materials, 2018, 784, 61-66.	0.4	4
18	Characterization of Electroless Niâ€P Coating Prepared on a Wrought ZE10 Magnesium Alloy. Coatings, 2018, 8, 96.	1.2	23

#	ARTICLE	IF	CITATIONS
19	Effect of Quench Environment on the Conversion Coatings on Magnesium Alloy AZ91. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2018, 66, 203-210.	0.2	1
20	Unconventional fluoride conversion coating preparation and characterization. Anti-Corrosion Methods and Materials, 2017, 64, 613-619.	0.6	11
21	The characterization of South Moravian lignite in its natural and treated forms using thermal degradation methods. Journal of Analytical and Applied Pyrolysis, 2017, 128, 83-91.	2.6	5
22	A practical comparison of photon correlation and cross-correlation spectroscopy in nanoparticle and microparticle size evaluation. Colloid and Polymer Science, 2017, 295, 67-74.	1.0	4
23	Preparation and Characterization of Zinc Materials Prepared by Powder Metallurgy. Metals, 2017, 7, 396.	1.0	25
24	Characterization of Powder Metallurgy Processed Pure Magnesium Materials for Biomedical Applications. Metals, 2017, 7, 461.	1.0	20
25	Influence of the Composition of the Hank's Balanced Salt Solution on the Corrosion Behavior of AZ31 and AZ61 Magnesium Alloys. Metals, 2017, 7, 465.	1.0	37
26	Evolution of microstructure and electrochemical corrosion characteristics of cold compacted magnesium. Korozje A Ochrana Materialu, 2017, 61, 123-130.	0.4	3
27	Comparison of Electrochemical Methods for the Evaluation of Cast AZ91 Magnesium Alloy. Materials, 2016, 9, 925.	1.3	40
28	Improvement of bio-compatible AZ61 magnesium alloy corrosion resistance by fluoride conversion coating. Korozje A Ochrana Materialu, 2016, 60, 132-138.	0.4	7
29	Corrosion behavior of wrought magnesium alloys AZ31 and AZ61 in Hank's solution. Korozje A Ochrana Materialu, 2016, 60, 101-106.	0.4	3
30	The formation of feldspar strontian (SrAl ₂ Si ₂ O ₈) via ceramic route: Reaction mechanism, kinetics and thermodynamics of the process. Ceramics International, 2016, 42, 8170-8178.	2.3	27
31	The spectrometric characterization of lipids extracted from lignite samples from various coal basins. Organic Geochemistry, 2016, 95, 34-40.	0.9	12
32	Cation Migration-Induced Crystal Phase Transformation in Copper Ferrite Nanoparticles and Their Magnetic Property. Journal of Superconductivity and Novel Magnetism, 2016, 29, 759-769.	0.8	41
33	Solid-state synthesis of SrY ₂ O ₄ and SrSm ₂ O ₄ . Journal of Thermal Analysis and Calorimetry, 2016, 123, 181-194.	2.0	11
34	Impact of Nd ³⁺ in CoFe ₂ O ₄ spinel ferrite nanoparticles on cation distribution, structural and magnetic properties. Journal of Magnetism and Magnetic Materials, 2016, 399, 109-117.	1.0	137
35	Electroless Deposition of Ni-P/SiO ₂ Composite Coating. Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis, 2016, 64, 1459-1464.	0.2	1
36	Magnetic Properties of Dysprosium-Doped Cobalt Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2097-2107.	0.8	30

#	ARTICLE	IF	CITATIONS
37	Structural and Magnetic Properties of $\text{CoFe}_{2-x}\text{Gd}_x\text{O}_4$ (0.0 $\leq x \leq$ 0.1) Spinel Ferrite Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1797-1806.	0.8	7
38	Magnetic Properties of ZnFe_2O_4 Nanoparticles Synthesized by Starch-Assisted Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1417-1423.	0.8	30
39	Effects of annealing temperature variation on the evolution of structural and magnetic properties of NiFe_2O_4 nanoparticles synthesized by starch-assisted sol-gel auto-combustion method. Journal of Magnetism and Magnetic Materials, 2015, 394, 439-447.	1.0	61
40	Structural, Cation Distribution, and Magnetic Properties of CoFe_2O_4 Spinel Ferrite Nanoparticles Synthesized Using a Starch-Assisted Sol-Gel Auto-Combustion Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1851-1861.	0.8	34
41	Effect of Pr ³⁺ Substitution on Structural and Magnetic Properties of CoFe_2O_4 Spinel Ferrite Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 241-248.	0.8	10
42	Preparation, kinetics of sinter-crystallization and properties of hexagonal strontium-yttrate-silicate apatite phase: $\text{Sr}_4[\text{SiO}_4]_3\text{O}$. Ceramics International, 2015, 41, 1779-1795.	2.3	6
43	Synthesis of poly(vinyl alcohol) hydroxyapatite composites and characterization of their bioactivity. Open Chemistry, 2013, 11, 1403-1411.	1.0	2
44	The influence of structure order on the kinetics of dehydroxylation of kaolinite. Journal of the European Ceramic Society, 2013, 33, 2793-2799.	2.8	49
45	Preparation of dehydroxylated and delaminated talc: Meta-talc. Ceramics International, 2013, 39, 9055-9061.	2.3	9
46	Effect of gel-space ratio and microstructure on strength of hydrating cementitious materials: An engineering micromechanics approach. Cement and Concrete Research, 2013, 45, 55-68.	4.6	106
47	Strength Evolution of Hydrating Cement Pastes: the Counteracting Effects of Capillary Porosity and Unhydrated Clinker Reinforcements. , 2013, , .		1
48	The Counteracting Effects of Capillary Porosity and of Unhydrated Clinker Grains on the Macroscopic Strength of Hydrating Cement Paste—A Multiscale Model. , 2013, , .		6
49	Biodegradable polyhydroxybutyrate as a polyol for elastomeric polyurethanes. Chemical Papers, 2012, 66, .	1.0	4
50	Reduction of Efflorescence in the Alkali Activated Systems. Advanced Materials Research, 0, 1000, 318-321.	0.3	2
51	New Method for (Nano)Micro-Characterization of Materials - Correlative Microscopy. Advanced Materials Research, 0, 1000, 265-268.	0.3	0