Jin Zhang

List of Publications by Year in descending order

24 papers	440 citations	840776 11 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	401 citing authors

#	Article	IF	Citations
1	Control of ZM5 alloy ignition via PEO/aluminum phosphate composite coating. Surface and Coatings Technology, 2022, 436, 128309.	4.8	2
2	C-Al2O3 coatings prepared by cathode plasma electrolytic deposition on TC4 substrate for better high temperature oxidation resistance. Surface and Coatings Technology, 2021, 405, 126585.	4.8	14
3	The effects of Cr2O3 particles on the microstructure and wear-resistant properties of electrodeposited CoNiP coatings. Surface and Coatings Technology, 2020, 381, 125167.	4.8	10
4	A review on ignition mechanisms and characteristics of magnesium alloys. Journal of Magnesium and Alloys, 2020, 8, 329-344.	11.9	65
5	The effects of main salt concentrations and deposition voltages on the structures and properties of cathode plasma electrolytic deposited Cr₂O₃ coatings. Materials Research Express, 2019, 6, 115918.	1.6	0
6	Effect of homogenization annealing on internal residual stress distribution and texture in ME21 magnesium alloy extruded plates. Journal of Magnesium and Alloys, 2019, 7, 186-192.	11.9	12
7	The effect of electric conductivity on the structure of ceramic coatings prepared by cathode plasma electrolytic deposition. Materials Chemistry and Physics, 2019, 224, 36-39.	4.0	7
8	Cathode plasma electrolytic deposition of Al2O3 coatings doped with SiC particles. Ceramics International, 2019, 45, 4747-4755.	4.8	10
9	Hydrophobicity and tribological properties of Al2O3/PTFE composite coating. Rare Metals, 2018, , 1.	7.1	3
10	Research progress of residual stress determination in magnesium alloys. Journal of Magnesium and Alloys, 2018, 6, 238-244.	11.9	25
11	Microstructure and properties of 1Cr12Ni2WMoVNb (GX-8) steel bored barrels with and without QPQ treatment. Surface and Coatings Technology, 2017, 315, 95-104.	4.8	21
12	Preparation and properties of ceramic coatings by cathode plasma electrolytic deposition on titanium alloy. Surface and Coatings Technology, 2017, 325, 708-714.	4.8	13
13	Synergistic effect of PEG and hydrosol treatments of solution on preparing Al₂O₃coating by cathode plasma electrolytic deposition. Materials Research Express, 2017, 4, 036306.	1.6	10
14	One-step preparation of TiO₂particles with controllable phase and morphology by plasma electrolysis. RSC Advances, 2017, 7, 39824-39832.	3.6	6
15	Comparison of residual stress determination using different crystal planes by short-wavelength X-ray diffraction in a friction-stir-welded aluminum alloy plate. Journal of Materials Science, 2017, 52, 12834-12847.	3.7	7
16	Preparation of a Modified Micro-arc Oxidation Coating Using Al2O3 Particles on Ti6Al4V. Journal of Material Science & Engineering, 2017, 06, .	0.2	1
17	Thermal barrier coatings with Al2O3â€“Pt composite bond-coat and La2Zr2O7â€“Pt top-coat prepared by cathode plasma electrolytic deposition. Surface and Coatings Technology, 2016, 291, 141-150.	4.8	15
18	Direct preparation of La2Zr2O7 microspheres by cathode plasma electrolysis. Journal of Colloid and Interface Science, 2016, 474, 146-150.	9.4	17

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19	Porous Î±-Al2O3 thermal barrier coatings with dispersed Pt particles prepared by cathode plasma electrolytic deposition. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 92-101.	4.9	17
20	Influence of polyethylene glycol on cathode plasma electrolytic depositing Al2O3 anti-oxidation coatings. Ceramics International, 2016, 42, 8229-8233.	4.8	28
21	Al2O3â€“ZrO2â€“Pt composite coatings prepared by cathode plasma electrolytic deposition on the TiAl alloy. Surface and Coatings Technology, 2015, 283, 37-43.	4.8	31
22	Effect of ZrO2 particle on the performance of micro-arc oxidation coatings on Ti6Al4V. Applied Surface Science, 2015, 342, 183-190.	6.1	104
23	Residual stress distribution and microstructure in the friction stir weld of 7075 aluminum alloy. Journal of Materials Science, 2015, 50, 7262-7270.	3.7	14
24	Residual Stresses Comparison Determined by Short-Wavelength X-Ray Diffraction and Neutron Diffraction for 7075 Aluminum Alloy. Journal of Nondestructive Evaluation, 2014, 33, 82.	2.4	8