

# Jin Zhang

## List of Publications by Year in descending order

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24  
papers

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citations

840776

11  
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713466

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docs citations

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times ranked

401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ZrO <sub>2</sub> particle on the performance of micro-arc oxidation coatings on Ti6Al4V. Applied Surface Science, 2015, 342, 183-190.	6.1	104
2	A review on ignition mechanisms and characteristics of magnesium alloys. Journal of Magnesium and Alloys, 2020, 8, 329-344.	11.9	65
3	Al <sub>2</sub> O <sub>3</sub> â€“ZrO <sub>2</sub> â€“Pt composite coatings prepared by cathode plasma electrolytic deposition on the TiAl alloy. Surface and Coatings Technology, 2015, 283, 37-43.	4.8	31
4	Influence of polyethylene glycol on cathode plasma electrolytic depositing Al <sub>2</sub> O <sub>3</sub> anti-oxidation coatings. Ceramics International, 2016, 42, 8229-8233.	4.8	28
5	Research progress of residual stress determination in magnesium alloys. Journal of Magnesium and Alloys, 2018, 6, 238-244.	11.9	25
6	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
7	Direct preparation of La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> microspheres by cathode plasma electrolysis. Journal of Colloid and Interface Science, 2016, 474, 146-150.	9.4	17
8	Porous $\delta$ -Al <sub>2</sub> O <sub>3</sub> 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
9	Thermal barrier coatings with Al <sub>2</sub> O <sub>3</sub> â€“Pt composite bond-coat and La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> â€“Pt top-coat prepared by cathode plasma electrolytic deposition. Surface and Coatings Technology, 2016, 291, 141-150.	4.8	15
10	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
11	C-Al <sub>2</sub> O <sub>3</sub> 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
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	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
14	Synergistic effect of PEG and hydrosol treatments of solution on preparing Al <sub>2</sub> O <sub>3</sub> coating by cathode plasma electrolytic deposition. Materials Research Express, 2017, 4, 036306.	1.6	10
15	Cathode plasma electrolytic deposition of Al <sub>2</sub> O <sub>3</sub> coatings doped with SiC particles. Ceramics International, 2019, 45, 4747-4755.	4.8	10
16	The effects of Cr <sub>2</sub> O <sub>3</sub> particles on the microstructure and wear-resistant properties of electrodeposited CoNiP coatings. Surface and Coatings Technology, 2020, 381, 125167.	4.8	10
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The effect of electric conductivity on the structure of ceramic coatings prepared by cathode plasma electrolytic deposition. <i>Materials Chemistry and Physics</i> , 2019, 224, 36-39.	4.0	7
20	One-step preparation of TiO <sub>2</sub> particles with controllable phase and morphology by plasma electrolysis. <i>RSC Advances</i> , 2017, 7, 39824-39832.	3.6	6
21	Hydrophobicity and tribological properties of Al <sub>2</sub> O <sub>3</sub> /PTFE composite coating. <i>Rare Metals</i> , 2018, , 1.	7.1	3
22	Control of ZM5 alloy ignition via PEO/aluminum phosphate composite coating. <i>Surface and Coatings Technology</i> , 2022, 436, 128309.	4.8	2
23	Preparation of a Modified Micro-arc Oxidation Coating Using Al <sub>2</sub> O <sub>3</sub> Particles on Ti6Al4V. <i>Journal of Material Science &amp; Engineering</i> , 2017, 06, .	0.2	1
24	The effects of main salt concentrations and deposition voltages on the structures and properties of cathode plasma electrolytic deposited Cr <sub>2</sub> O <sub>3</sub> coatings. <i>Materials Research Express</i> , 2019, 6, 115918.	1.6	0