

Xue-Jun Cui

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29
papers

552
citations

13
h-index

23
g-index

31
ext. papers

668
ext. citations

3.9
avg, IF

3.85
L-index

#	Paper	IF	Citations
29	Fabrication and corrosion resistance of a hydrophobic micro-arc oxidation coating on AZ31 Mg alloy. <i>Corrosion Science</i> , 2015 , 90, 402-412	6.8	214
28	Duplex-layered manganese phosphate conversion coating on AZ31 Mg alloy and its initial formation mechanism. <i>Corrosion Science</i> , 2013 , 76, 474-485	6.8	43
27	Self-sealing micro-arc oxidation coating on AZ91D Mg alloy and its formation mechanism. <i>Surface and Coatings Technology</i> , 2015 , 269, 228-237	4.4	39
26	Synthesis of nanocrystalline MgAl ₂ O ₄ spinel powders by a novel chemical method. <i>Materials Letters</i> , 2007 , 61, 3585-3588	3.3	31
25	Sub-critical water extraction of bitumen from Huadian oil shale lumps. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 98, 151-158	6	25
24	Structure and properties of a duplex coating combining micro-arc oxidation and baking layer on AZ91D Mg alloy. <i>Applied Surface Science</i> , 2016 , 363, 91-100	6.7	24
23	Structure and corrosion resistance of modified micro-arc oxidation coating on AZ31B magnesium alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2016 , 26, 814-821	3.3	20
22	In vitro studying corrosion behavior of porous titanium coating in dynamic electrolyte. <i>Materials Science and Engineering C</i> , 2017 , 70, 1071-1075	8.3	19
21	Subcritical Water Extraction of Huadian Oil Shale under Isothermal Condition and Pyrolysate Analysis. <i>Energy & Fuels</i> , 2014 , 28, 2305-2313	4.1	17
20	Structure and Anticorrosion, Friction, and Wear Characteristics of Pure Diamond-Like Carbon (DLC), Cr-DLC, and Cr-H-DLC Films on AZ91D Mg Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 1213-1225	1.6	16
19	Influence of aging prior to extrusion on the microstructure and corrosion resistance of Mg ₈ Sn _{0.2} Zn _{0.2} Mn alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 780, 783-791	5.7	15
18	Phosphate film free of chromate, fluoride and nitrite on AZ31 magnesium alloy and its corrosion resistance. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 2713-2718	3.3	14
17	Characterization of graphene oxide/ZrO ₂ composite coatings deposited on zirconium alloy by micro-arc oxidation. <i>Applied Surface Science</i> , 2020 , 506, 144928	6.7	14
16	Structure and properties of newly designed MAO/TiN coating on AZ31B Mg alloy. <i>Surface and Coatings Technology</i> , 2017 , 328, 319-325	4.4	12
15	Structure and properties of different elements doped diamond-like carbon on micro-arc oxidation coated AZ31B Mg alloy. <i>Diamond and Related Materials</i> , 2020 , 106, 107832	3.5	10
14	Properties of polydimethylsiloxane hydrophobic modified duplex microarc oxidation/diamond-like carbon coatings on AZ31B Mg alloy. <i>Journal of Magnesium and Alloys</i> , 2020 ,	8.8	9
13	Preparation and Characterization of Phosphate Film for Magnesium Alloy AZ31. <i>Physics Procedia</i> , 2012 , 25, 194-199		5

12	Influence of nanoparticle additions on structure and fretting corrosion behavior of micro-arc oxidation coatings on zirconium alloy. <i>Surface and Coatings Technology</i> , 2021 , 410, 126949	4.4	4
11	Deposition time effects on structure and corrosion resistance of duplex MAO/Al coatings on AZ31B Mg alloy. <i>Anti-Corrosion Methods and Materials</i> , 2017 , 64, 357-364	0.8	3
10	The Effects of Precursor C _H F ₄ Fraction on Microstructure and Properties of Amorphous Carbon Composite Films Containing Si and Ag Prepared by Magnetron Sputtering Deposition. <i>Nanomaterials</i> , 2019 , 9,	5.4	3
9	Torsional fretting corrosion behaviours of Ti6Al4V alloys in Hank's simulated body fluid. <i>Corrosion Engineering Science and Technology</i> , 2019 , 54, 298-309	1.7	3
8	Fabrication and Characterization of Porous Micro-arc Oxidation/Al Composite Coating: Bio-inspired Strategy from Cancellous Bone Structure. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 87-97	1.6	3
7	Structural, tribological and corrosion properties of plasma nitrated-chromized-316L stainless steel in air and artificial seawater. <i>Surface Topography: Metrology and Properties</i> , 2020 , 8, 015005	1.5	2
6	Corrosion and Tribocorrosion Behaviors of Amorphous Carbon Films in Nitric Acid Solutions. <i>Corrosion</i> , 2018 , 74, 747-756	1.8	2
5	Influence of phytic acid on the corrosion behavior of carbon steel with different surface treatments. <i>Anti-Corrosion Methods and Materials</i> , 2018 , 65, 658-667	0.8	2
4	Role of phytic acid in the corrosion protection of epoxy-coated rusty steel. <i>Anti-Corrosion Methods and Materials</i> , 2019 , 66, 188-194	0.8	1
3	A Novel Organosulfonate Cadmium(II) Complex with Graphite-like 2D Layer Linked by Hydrogen Bonds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1335-1339	1.3	1
2	Superhydrophobic composite coating for reliable corrosion protection of Mg alloy. <i>Materials and Design</i> , 2022 , 215, 110433	8.1	1
1	A NOVEL CHEMICAL ROUTE FOR PREPARATION OF NANOCRYSTALLINE α -Al ₂ O ₃ POWDER. <i>Chemical Engineering Communications</i> , 2007 , 195, 35-42	2.2	