

Zhao Zhang

List of Publications by Year in descending order

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32
papers

1,504
citations

430874

18
h-index

395702

33
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all docs

33
docs citations

33
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of superhydrophobic surfaces with hierarchical structure and their corrosion resistance and self-cleaning properties. <i>Surfaces and Interfaces</i> , 2022, 28, 101608.	3.0	6
2	Electrodeposition of silane/reduced graphene oxide nanocomposite on AA2024-T3 alloy with enhanced corrosion protection, chemical and mechanical stability. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165058.	5.5	14
3	Investigation of the correlation between the electrochemical noise energy and the deposit structure. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114836.	3.8	3
4	Fabrication and characterization of the hierarchical AAO film and AAO-MnO ₂ composite as the anode foil of aluminum electrolytic capacitor. <i>Surface and Coatings Technology</i> , 2021, 419, 127286.	4.8	5
5	Understanding the enhanced photoelectrochemical water oxidation over Ti-doped $\text{Fe}_{2}\text{O}_{3}$ electrodes by electrochemical reduction pretreatment. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7835-7843.	2.8	12
6	Enhanced Photoelectrochemical Oxidation of Water over Ti-Doped $\text{Fe}_{2}\text{O}_{3}$ Electrodes by Surface Electrodeposition InOOH. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24352-24361.	3.1	22
7	Surface Properties and Protein Adsorption Performance of Fluorinated Amphiphilic Polymers. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12773-12780.	3.1	13
8	Adsorption and protective behavior of BTAH on the initial atmospheric corrosion process of copper under thin film of chloride solutions. <i>Scientific Reports</i> , 2018, 8, 5606.	3.3	10
9	Study on the Electrochemical Oxidation Desulfurization Behavior of Model Diesel on Anodic Alumina Oxide and Ceria Nanotubes. <i>Energy & Fuels</i> , 2018, 32, 2612-2621.	5.1	16
10	Comparative studies of two benzaldehyde thiosemicarbazone derivatives as corrosion inhibitors for mild steel in 1.0 × 10 ⁻³ M HCl. <i>Results in Physics</i> , 2018, 11, 554-563.	4.1	18
11	Correlation between the corrosion rate and electrochemical noise energy of copper in chloride electrolyte. <i>RSC Advances</i> , 2018, 8, 19208-19212.	3.6	5
12	Effects of anions on the underpotential deposition behavior of Cu on polycrystalline Pt. <i>RSC Advances</i> , 2018, 8, 19103-19115.	3.6	3
13	Study on adsorption behavior of ketoconazole on Q235 mild steel in 1.0 × 10 ⁻³ M HCl solution with electrochemical measurement. <i>Journal of Alloys and Compounds</i> , 2018, 758, 184-193.	5.5	22
14	Preparation of AAO-CeO ₂ nanotubes and their application in electrochemical oxidation desulfurization of diesel. <i>Nanotechnology</i> , 2017, 28, 065708.	2.6	10
15	Superhydrophobic coating with multiscale structure based on crosslinked silanized polyacrylate and nanoparticles. <i>Surface and Coatings Technology</i> , 2017, 331, 40-47.	4.8	24
16	In-situ monitoring the inhibition effect of benzotriazole on copper corrosion by electrochemical noise technique. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 908-914.	5.3	26
17	Corrosion behavior of 907 steel under thin electrolyte layers of artificial seawater. <i>Journal of Central South University</i> , 2015, 22, 806-814.	3.0	6
18	Influences of the main anodic electroplating parameters on cerium oxide films. <i>Applied Surface Science</i> , 2014, 305, 330-336.	6.1	21

#	ARTICLE	IF	CITATIONS
19	Study of Tin Electroplating Process Using Electrochemical Impedance and Noise Techniques. Journal of the Electrochemical Society, 2013, 160, D530-D537.	2.9	34
20	Effect of rare earth element Ce and La on corrosion behavior of AM60 magnesium alloy. Corrosion Science, 2009, 51, 1334-1343.	6.6	257
21	Electrochemical noise characteristics in corrosion process of AZ91D magnesium alloy in neutral chloride solution. Transactions of Nonferrous Metals Society of China, 2009, 19, 496-503.	4.2	21
22	Dimensional analysis applied to pitting corrosion measurements. Electrochimica Acta, 2008, 53, 2688-2698.	5.2	27
23	Study on the anodic film formation process of AZ91D magnesium alloy. Electrochimica Acta, 2007, 52, 5325-5333.	5.2	77
24	In-situ monitoring of nickel electrodeposit structure using electrochemical noise technique. Transactions of Nonferrous Metals Society of China, 2006, 16, 209-216.	4.2	27
25	Electrochemical noise analysis of LY12-T3 in EXCO solution by discrete wavelet transform technique. Electrochimica Acta, 2006, 51, 1359-1364.	5.2	92
26	Electrochemical noise study on 2024-T3 Aluminum alloy corrosion in simulated acid rain under cyclic wet-dry condition. Electrochimica Acta, 2006, 51, 4977-4986.	5.2	83
27	Exfoliation corrosion of Al-Li alloy 2090-T6 in EXCO solution: A study of electrochemical noise and electrochemical impedance spectroscopy. Materials and Corrosion - Werkstoffe Und Korrosion, 2006, 57, 484-490.	1.5	11
28	Analysis of pitting corrosion behavior of pure Al in sodium chloride solution with the wavelet technique. Journal of Electroanalytical Chemistry, 2005, 578, 143-150.	3.8	81
29	Study of the zinc electroplating process using electrochemical noise technique. Journal of Electroanalytical Chemistry, 2005, 578, 357-367.	3.8	48
30	Investigation of the Kinetics of a TiO ₂ Photoelectrocatalytic Reaction Involving Charge Transfer and Recombination through Surface States by Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 15008-15023.	2.6	422
31	Electrochemical impedance spectroscopy analysis on aluminum alloys in EXCO solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2005, 56, 318-324.	1.5	26
32	Study on the behavior of Zn-Fe alloy electroplating. Journal of Electroanalytical Chemistry, 2001, 516, 127-130.	3.8	61