

Xiahe Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7026399/publications.pdf>

Version: 2024-02-01

14
papers

404
citations

1051969

10
h-index

1181555

14
g-index

14
all docs

14
docs citations

14
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic structures and electrochemical behavior during the formation of trivalent chromium-based conversion coating on Zn. <i>Surface and Coatings Technology</i> , 2022, 431, 128041.	2.2	4
2	Some fundamental understandings of Zn-injection water chemistry on material corrosion in pressurized water reactor primary circuit. <i>Corrosion Communications</i> , 2022, 6, 52-61.	2.7	4
3	Temperature and NaCl deposition dependent corrosion of SAC305 solder alloy in simulated marine atmosphere. <i>Journal of Materials Science and Technology</i> , 2021, 75, 252-264.	5.6	28
4	Effect of dissolved oxygen, temperature, and pH on polarization behavior of carbon steel in simulated concrete pore solution. <i>Electrochimica Acta</i> , 2021, 366, 137437.	2.6	18
5	In-situ EIS study on the initial corrosion evolution behavior of SAC305 solder alloy covered with NaCl solution. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156953.	2.8	27
6	Oxidation behavior of 304 stainless steel with modified layer by plasma nitriding in High temperature and pressurized Water. <i>Corrosion Science</i> , 2021, 186, 109468.	3.0	11
7	High-temperature aging time-induced composition and thickness evolution in the native oxides film on Sn solder substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24209-24228.	1.1	5
8	Electrochemical effects of pH value on the corrosion inhibition and microstructure of cerium doped trivalent chromium conversion coating on Zn. <i>Corrosion Science</i> , 2020, 167, 108538.	3.0	10
9	Microstructure induced galvanic corrosion evolution of SAC305 solder alloys in simulated marine atmosphere. <i>Journal of Materials Science and Technology</i> , 2020, 51, 40-53.	5.6	39
10	Effects of pH value on characteristics of oxide films on 316L stainless steel in Zn-injected borated and lithiated high temperature water. <i>Corrosion Science</i> , 2014, 78, 200-207.	3.0	49
11	Electrochemical and surface analytical investigation of the effects of Zn concentrations on characteristics of oxide films on 304 stainless steel in borated and lithiated high temperature water. <i>Electrochimica Acta</i> , 2013, 108, 554-565.	2.6	34
12	Effect of Zn injection on established surface oxide films on 316 L stainless steel in borated and lithiated high temperature water. <i>Corrosion Science</i> , 2012, 65, 136-144.	3.0	44
13	Influence of Zn on oxide films on Alloy 690 in borated and lithiated high temperature water. <i>Corrosion Science</i> , 2011, 53, 3254-3261.	3.0	64
14	Influence of Zn injection on characteristics of oxide film on 304 stainless steel in borated and lithiated high temperature water. <i>Corrosion Science</i> , 2011, 53, 3337-3345.	3.0	67