

Xiahe Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

247
citations

8
h-index

14
g-index

14
ext. papers

324
ext. citations

6.4
avg, IF

3.58
L-index

#	Paper	IF	Citations
13	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	4.4	0
12	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	6.8	1
11	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	9.1	11
10	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	6.7	6
9	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	5.7	10
8	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	2.1	2
7	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	6.8	5
6	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	9.1	19
5	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	6.8	40
4	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	6.7	26
3	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	6.8	33
2	Influence of Zn on oxide films on Alloy 690 in borated and lithiated high temperature water. <i>Corrosion Science</i> , 2011 , 53, 3254-3261	6.8	47
1	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	6.8	46