Xiejing Luo

List of Publications by Year
in descending order

21	818	516710 16	713466 21
papers	citations	h-index	g-index

21	21	21	513
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The enhancement of microstructure on the passive and pitting behaviors of selective laser melting 316L SS in simulated body fluid. Applied Surface Science, 2019, 467-468, 193-205.	6.1	152
2	A comparative study of primary and secondary passive films formed on AM355 stainless steel in 0.1 M NaOH. Applied Surface Science, 2018, 427, 763-773.	6.1	96
3	Superior resistance to hydrogen damage for selective laser melted 316L stainless steel in a proton exchange membrane fuel cell environment. Corrosion Science, 2020, 166, 108425.	6.6	76
4	Effect of Mo on interaction between Î±/Î³ phases of duplex stainless steel. Electrochimica Acta, 2018, 267, 255-268.	5.2	67
5	Electrochemical migration, whisker formation, and corrosion behavior of printed circuit board under wet H2S environment. Electrochimica Acta, 2013, 114, 363-371.	5.2	61
6	The effect of sub-grain structure on intergranular corrosion of 316L stainless steel fabricated via selective laser melting. Materials Letters, 2019, 243, 157-160.	2.6	57
7	The corrosion behavior of Ti6Al4V fabricated by selective laser melting in the artificial saliva with different fluoride concentrations and pH values. Corrosion Science, 2021, 179, 109097.	6.6	43
8	Design materials based on simulation results of silicon induced segregation at AlSi10Mg interface fabricated by selective laser melting. Journal of Materials Science and Technology, 2020, 46, 145-155.	10.7	33
9	Electrochemical measurements and atomistic simulations of Clâ¯-induced passivity breakdown on a Cu2O film. Corrosion Science, 2018, 136, 119-128.	6.6	31
10	Study on corrosion behavior of Î²-Sn and intermetallic compounds phases in SAC305 alloy by in-situ EC-AFM and first-principles calculation. Corrosion Science, 2021, 181, 109244.	6.6	27
11	Effects of mould on electrochemical migration behaviour of immersion silver finished printed circuit board. Bioelectrochemistry, 2018, 119, 203-210.	4.6	25
12	Computational simulation and efficient evaluation on corrosion inhibitors for electrochemical etching on aluminum foil. Corrosion Science, 2021, 187, 109492.	6.6	24
13	Stress corrosion cracking of ultrahigh strength martensite steel Cr9Ni5MoCo14 in 3.5% NaCl solution. Aerospace Science and Technology, 2014, 36, 125-131.	4.8	22
14	Surface failure mechanism of PCB-ENIG in typical outdoor atmospheric environments. Materials Research Bulletin, 2017, 91, 179-188.	5.2	22
15	Integrated computation of corrosion: Modelling, simulation and applications. Corrosion Communications, 2021, 2, 8-23.	6.0	22
16	High-throughput computing for screening the potential alloying elements of a 7xxx aluminum alloy for increasing the alloy resistance to stress corrosion cracking. Corrosion Science, 2021, 183, 109304.	6.6	17
17	Revealing the inner rules of PREN from electronic aspect by first-principles calculations. Corrosion Science, 2021, 189, 109561.	6.6	17
18	Discontinuous model combined with an atomic mechanism simulates the precipitated Î·â€² phase effect in intergranular cracking of 7-series aluminum alloys. Computational Materials Science, 2019, 166, 282-292.	3.0	9

#	Article	IF	Citations
19	Characterization of the Outer Layer Nanostructure in the Electrochemical Response of Stainless Steel in Aqueous Sodium Hydroxide. Analytical Letters, 2018, 51, 1384-1399.	1.8	8
20	Unexpected Stress Corrosion Cracking Improvement Achieved by Recrystallized Layer in Al-Zn-Mg Alloy. Journal of Materials Engineering and Performance, 2021, 30, 6258-6268.	2.5	5
21	Image Deep Learning Assisted Prediction of Mechanical and Corrosion Behavior for Al-Zn-Mg Alloys. IEEE Access, 2022, 10, 35620-35631.	4.2	4