

O Gharbi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

950
citations

567281

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940533

16
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17
all docs

17
docs citations

17
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical impedance spectroscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	308
2	Corrosion of Additively Manufactured Alloys: A Review. Corrosion, 2018, 74, 1318-1350.	1.1	206
3	On the corrosion of additively manufactured aluminium alloy AA2024 prepared by selective laser melting. Corrosion Science, 2018, 143, 93-106.	6.6	83
4	Mg Dissolution in Phosphate and Chloride Electrolytes: Insight into the Mechanism of the Negative Difference Effect. Corrosion, 2015, 71, 234-241.	1.1	57
5	On the effect of Fe concentration on Mg dissolution and activation studied using atomic emission spectroelectrochemistry and scanning electrochemical microscopy. Electrochimica Acta, 2016, 210, 271-284.	5.2	40
6	Characterisation of Li in the surface film of a corrosion resistant Mg-Li(-Al-Y-Zr) alloy. Applied Surface Science, 2019, 494, 1066-1071.	6.1	36
7	Li reactivity during the surface pretreatment of Al-Li alloy AA2050-T3. Electrochimica Acta, 2017, 243, 207-219.	5.2	27
8	On the corrosion, electrochemistry and microstructure of Al-Cu-Li alloy AA2050 as a function of ageing. Materialia, 2018, 1, 25-36.	2.7	26
9	In-Situ Monitoring of Alloy Dissolution and Residual Film Formation during the Pretreatment of Al-Alloy AA2024-T3. Journal of the Electrochemical Society, 2016, 163, C240-C251.	2.9	25
10	On the in-situ aqueous stability of an Mg-Li(-Al-Y-Zr) alloy: Role of Li. Corrosion Science, 2020, 164, 108342.	6.6	25
11	Clarifying the Dissolution Mechanisms and Electrochemistry of Mg ₂ Si as a Function of Solution pH. Journal of the Electrochemical Society, 2018, 165, C497-C501.	2.9	24
12	Investigating ion release using inline ICP during in situ scratch testing of an Mg-Li(-Al-Y-Zr) alloy. Electrochemistry Communications, 2019, 99, 46-50.	4.7	24
13	Investigating the Structure of the Surface Film on a Corrosion Resistant Mg-Li(-Al-Y-Zr) Alloy. Corrosion, 2019, 75, 80-89.	1.1	23
14	On the Characterization of a Hitherto Unreported Icosahedral Quasicrystal Phase in Additively Manufactured Aluminum Alloy AA7075. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 529-533.	2.2	18
15	Investigating the Effect of Ferrous Ions on the Anomalous Hydrogen Evolution on Magnesium in Acidic Ferrous Chloride Solution. Journal of the Electrochemical Society, 2018, 165, C916-C925.	2.9	15
16	Impedance Response of a Thin Film on an Electrode: Deciphering the Influence of the Double Layer Capacitance. ChemPhysChem, 2021, 22, 1371-1378.	2.1	13
17	Recent Developments in Magnesium Alloy Corrosion Research. Minerals, Metals and Materials Series, 2018, , 17-17.	0.4	0