Mariana Xavier Milagre

List of Publications by Year
in descending order

33	407	840119 11	794141 19
papers	citations	h-index	g-index

33	33	33	194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion behaviour of the 2098-T351 Alâ€“Cuâ€“Li alloy after different surface treatments. Corrosion Engineering Science and Technology, 2022, 57, 269-279.	0.7	1
2	Development of an Al3+ ion-selective microelectrode for the potentiometric microelectrochemical monitoring of corrosion sites on 2098â^'T351 aluminum alloy surfaces. Electrochimica Acta, 2022, 415, 140260.	2.6	6
3	Corrosion characterization of the 6061 Alâ€“Mgâ€“Si alloy in synthetic acid rain using neutron tomography. Applied Radiation and Isotopes, 2022, 184, 110197.	0.7	3
4	TSA anodising voltage effects on the near-surface coarse intermetallic particles in the AA2024-T3 and AA2198-T8 alloys. Corrosion Engineering Science and Technology, 2022, 57, 380-396.	0.7	6
5	Electrochemical characterization of alloy segregation in the near-surface deformed layer of welded zones of an Alâ^'Cuâ^'Li alloy using scanning electrochemical microscopy. Electrochimica Acta, 2022, 427, 140873.	2.6	3
6	Surface finishing effects on the corrosion behavior and electrochemical activity of 2098-T351 aluminum alloy investigated using scanning microelectrochemical techniques. Materials Characterization, 2022, 191, 112130.	1.9	4
7	Corrosion protection of the AA2198â€T8 alloy by environmentally friendly organicâ€inorganic solâ€gel coating based on bisâ€1,2â€(triethoxysilyl) ethane. Surface and Interface Analysis, 2021, 53, 314-329.	0.8	2
8	Influence of chloride ions concentration on the development of severe localised corrosion and its effects on the electrochemical response of the 2198-T8 alloy. Corrosion Engineering Science and Technology, 2021, 56, 341-350.	0.7	5
9	Hybrid composites with glass fiber and natural fibers of sisal, coir, and luffa sponge. Journal of Composite Materials, 2021, 55, 717-728.	1.2	9
10	Use of Amperometric and Potentiometric Probes in Scanning Electrochemical Microscopy for the Spatially-Resolved Monitoring of Severe Localized Corrosion Sites on Aluminum Alloy 2098-T351. Sensors, 2021, 21, 1132.	2.1	8
11	On the local corrosion behavior of coupled welded zones of the 2098-T351 Al-Cu-Li alloy produced by Friction Stir Welding (FSW): An amperometric and potentiometric microelectrochemical investigation. Electrochimica Acta, 2021, 373, 137910.	2.6	11
12	How microstructure affects localized corrosion resistance of stir zone of the AA2198-T8 alloy after friction stir welding. Materials Characterization, 2021, 174, 111025.	1.9	12
13	Microstructural Characteristics of the Al Alloys: The Dissimilarities Among the 2XXX Alloys Series used in Aircraft Structures. Metallography, Microstructure, and Analysis, 2020, 9, 744-758.	0.5	13
14	Galvanic coupling effects on the corrosion behavior of the 6061 aluminum alloy used in research nuclear reactors. Journal of Nuclear Materials, 2020, 541, 152440.	1.3	12
15	Exfoliation and intergranular corrosion resistance of the 2198 Alâ€“Cuâ€“Li alloy with different thermomechanical treatments. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 1957-1970.	0.8	12
16	A correlation between microstructure and residual stress in the 6061 Alâ€“Mgâ€“Si alloy with different thermomechanical process. SN Applied Sciences, 2020, 2, 1.	1.5	8
17	Effects of Picture Frame Technique (PFT) on the corrosion behavior of 6061 aluminum alloy. Journal of Nuclear Materials, 2020, 539, 152320.	1.3	6
18	Galvanic and asymmetry effects on the local electrochemical behavior of the 2098-T351 alloy welded by friction stir welding. Journal of Materials Science and Technology, 2020, 45, 162-175.	5.6	20

#	Article	IF	Citations
19	MECANISMO DE EVOLUÃ‡ÃƒO DE HIDROGÃŠNIO DURANTE A CORROSÃƒO DA LIGA 2198-T8 EM MEIO CONTENDO CLORETO: UMA ABORDAGEM ELETROQUÃMICA. Quimica Nova, 2020, , .	0.3	1
20	The local electrochemical behavior of the AA2098â€T351 and surface preparation effects investigated by scanning electrochemical microscopy. Surface and Interface Analysis, 2019, 51, 982-992.	0.8	12
21	Exfoliation corrosion susceptibility in the zones of friction stir welded AA2098-T351. Journal of Materials Research and Technology, 2019, 8, 5916-5929.	2.6	15
22	Macro and microgalvanic interactions in friction stir weldment of AA2198-T851 alloy. Journal of Materials Research and Technology, 2019, 8, 6209-6222.	2.6	16
23	Correlating the Modes of Corrosion with Microstructure in the Friction Stir Welded AA2198-T8 Alloy in Aqueous Hydrogen Peroxide-Chloride Medium. Corrosion, 2019, 75, 628-640.	0.5	17
24	Comparison of the corrosion resistance of an Alâ€“Cu alloy and an Alâ€“Cuâ€“Li alloy. Corrosion Engineering Science and Technology, 2019, 54, 402-412.	0.7	20
25	Effect of surface treatments on the localized corrosion resistance of the AA2198â€T8 aluminum lithium alloy welded by FSW process. Surface and Interface Analysis, 2019, 51, 1231-1239.	0.8	7
26	The effect of surface pretreatment on the corrosion behaviour of silanated AA2198â€T851 Alâ€Cuâ€Li alloy. Surface and Interface Analysis, 2019, 51, 275-289.	0.8	6
27	Study on welding thermal cycle and residual stress of UNS S32304 duplex stainless steel selected as external shield for a transport packaging of Mo-99. Brazilian Journal of Radiation Sciences, 2019, 7, .	0.0	3
28	On the microstructure characterization of the AA2098-T351 alloy welded by FSW. Materials Characterization, 2018, 140, 233-246.	1.9	59
29	On the severe localized corrosion susceptibility of the AA2198-T851 alloy. Corrosion Science, 2018, 133, 132-140.	3.0	68
30	Correlation between corrosion resistance, anodic hydrogen evolution and microhardness in friction stir weldment of AA2198 alloy. Materials Characterization, 2018, 144, 99-112.	1.9	26
31	Corrosion and anodizing behaviour of friction stir weldment of AA2198-T851 Al-Cu-Li alloy. Materials Chemistry and Physics, 2018, 219, 493-511.	2.0	12
32	Corrosion Resistance of Precipitation-Hardened Al Alloys: A Comparison between New Generation Al-Cu-Li and Conventional Alloys. , 0, , .		4
33	Corrosion Behavior of the 6061 Alâ€“Mgâ€“Si Alloy in Different Soils Extracts. Metallography, Microstructure, and Analysis, 0, , .	0.5	0