Leonardo Bertolucci Coelho

List of Publications by Year
in descending order

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18	486	687363 13	839539 18
papers	citations	h-index	g-index

18	18	18	497
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benzotriazole and cerium chloride as corrosion inhibitors for AA2024-T3: An EIS investigation supported by SVET and ToF-SIMS analysis. Corrosion Science, 2018, 130, 177-189.	6.6	85
2	A SVET study of the inhibitive effects of benzotriazole and cerium chloride solely and combined on an aluminium/copper galvanic coupling model. Corrosion Science, 2016, 110, 143-156.	6.6	69
3	Inhibitive effect of sodium carbonate on corrosion of AZ31 magnesium alloy in NaCl solution. Corrosion Science, 2021, 179, 109131.	6.6	49
4	Reviewing machine learning of corrosion prediction in a data-oriented perspective. Npj Materials Degradation, 2022, 6, .	5.8	45
5	Stability of benzotriazole-based films against AA2024 aluminium alloy corrosion process in neutral chloride electrolyte. Journal of Alloys and Compounds, 2018, 735, 2512-2522.	5.5	34
6	Corrosion and mechanical properties of plasma electrolytic oxidationâ€coated AZ80 magnesium alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 2103-2112.	1.5	31
7	Antifouling properties of different Plasma Electrolytic Oxidation coatings on 7075 aluminium alloy. International Biodeterioration and Biodegradation, 2018, 133, 70-78.	3.9	29
8	The corrosion inhibition mechanisms of Ce(III) ions and triethanolamine on graphiteâ€”AA2024-T3 galvanic couples revealed by localised electrochemical techniques. Corrosion Science, 2019, 150, 207-217.	6.6	24
9	The inhibition efficiency of different species on AA2024/graphite galvanic coupling models depicted by SVET. Corrosion Science, 2018, 136, 292-303.	6.6	21
10	Molybdate as corrosion inhibitor for hot dip galvanised steel scribed to the substrate: A study based on global and localised electrochemical approaches. Corrosion Science, 2020, 175, 108893.	6.6	21
11	Unveiling the effect of the electrodes area on the corrosion mechanism of a graphite - AA2024-T3 galvanic couple by localised electrochemistry. Electrochimica Acta, 2018, 277, 9-19.	5.2	20
12	Mechanical and corrosion characterization of industrially treated 316L stainless steel surfaces. Surface and Coatings Technology, 2020, 382, 125175.	4.8	19
13	Covid-19: effect of disinfection on corrosion of surfaces. Corrosion Engineering Science and Technology, 2020, 55, 693-695.	1.4	15
14	Atom-probe tomography of tribological boundary films resulting from boron-based oil additives. Scripta Materialia, 2016, 111, 64-67.	5.2	10
15	Impact of industrially applied surface finishing processes on tribocorrosion performance of 316L stainless steel. Wear, 2020, 456-457, 203341.	3.1	8
16	Highlighting the effect of the aluminium alloy self-corrosion on the AA2024-T3/Ti6Al4V galvanic coupling in NaCl media. Surfaces and Interfaces, 2019, 16, 15-21.	3.0	3
17	The effect of the substrate surface state on the morphology, topography and tribocorrosion behavior of Si/Zr sol-gel coated 316L stainless steel. Surface and Coatings Technology, 2021, 406, 126666.	4.8	2
18	Communicationâ€”A New Approach for SVET Analysis Combined with In Situ Scratching. Journal of the Electrochemical Society, 2020, 167, 131511.	2.9	1