

Alba Covelo

List of Publications by Citations

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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.

31
papers

154
citations

6
h-index

11
g-index

34
ext. papers

186
ext. citations

2.3
avg, IF

2.33
L-index

#	Paper	IF	Citations
31	Corrosion protection performance of sol-gel coatings doped with red mud applied on AA2024-T3. <i>Progress in Organic Coatings</i> , 2012 , 74, 334-342	4.8	25
30	The electrochemical behaviour of sol-gel hybrid coatings applied on AA2024-T3 alloy: Effect of the metallic surface treatment. <i>Progress in Organic Coatings</i> , 2010 , 69, 175-183	4.8	24
29	Ingress of water into organic coatings: Real-time monitoring of the capacitance and increase in mass. <i>Progress in Organic Coatings</i> , 2010 , 69, 150-157	4.8	23
28	Effect of the experimental setup in the behaviour of sol-gel coatings. <i>Progress in Organic Coatings</i> , 2008 , 63, 291-298	4.8	14
27	Microstructural changes in a cementitious membrane due to the application of a DC electric field. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008 , 43, 985-93	2.3	8
26	Characterization of Hybrid Sol-Gel Coatings Doped with Hydrotalcite-like Compounds on Steel and Stainless Steel Alloys. <i>ECS Transactions</i> , 2013 , 47, 195-206	1	7
25	Electrochemical characterization of PVA/SA nanofibers obtained by electrospinning processing. <i>Surface and Interface Analysis</i> , 2018 , 50, 1012-1017	1.5	6
24	Structural transformation of silane-based zirconium-modified sol-gel coatings. <i>Surface and Interface Analysis</i> , 2010 , 42, 1201-1204	1.5	6
23	Evaluation of the biocompatibility of a PVA/SA scaffold with a human gingival fibroblast (HGF) by using electrochemical impedance spectroscopy. <i>Bioelectrochemistry</i> , 2020 , 131, 107386	5.6	6
22	Water uptake kinetics in anti-corrosion organic films with a high resolution microbalance oscillator sensor. <i>Sensors and Actuators B: Chemical</i> , 2010 , 144, 443-449	8.5	5
21	Characterization of the Protective Properties of Hydrotalcite on Hybrid Organic-Inorganic Sol-Gel Coatings. <i>Corrosion</i> , 2014 , 70, 828-841	1.8	4
20	Correlation of high-hydrophobic sol-gel coatings with electrochemical and morphological measurements deposited on AA2024. <i>Surface and Interface Analysis</i> , 2016 , 48, 670-675	1.5	4
19	Corrosion Resistance of AA2024-T3 Coated with Graphene/Sol-Gel Films. <i>Solid State Phenomena</i> , 2015 , 227, 115-118	0.4	3
18	Development and characterization of hydrophobic anodized aluminum layer to act as a long-lasting protective film in corrosion. <i>Surface and Interface Analysis</i> , 2018 , 50, 1030-1035	1.5	3
17	Gamma-irradiated silica sol-gel coatings as a function of dose on AA2024-T3. <i>Surface and Interface Analysis</i> , 2014 , 46, 1051-1056	1.5	2
16	Obtención y caracterización de recubrimientos Zn-Al-Cu por inmersión en caliente sobre aceros de bajo carbono. <i>Revista De Metalurgia</i> , 2013 , 49, 351-359	0.4	2
15	Characterization of a Historical Cannonball from the Fortress of San Juan De Ulúa Exposed to a Marine Environment. <i>Archaeometry</i> , 2016 , 58, 610-623	1.6	2

14	Smart Protection of Polymer-Inhibitor Doped Systems 2015 , 431-459		1
13	Evaluation and correlation of electrochemical and mechanical properties of PVA/SA nanofibres. <i>Surface and Interface Analysis</i> , 2020 , 52, 1128-1133	1.5	1
12	Hydrophobic Coatings for Corrosion Control of Aluminum Heat Exchangers 2017 ,		1
11	Characterization of hybrid sol-gel films doped with red mud particles. <i>Surface and Interface Analysis</i> , 2012 , 44, 1177-1181	1.5	1
10	Electrochemical Evaluation of a Recycled Copolymer Coating for Cultural Heritage Conservation Purposes. <i>International Journal of Polymer Science</i> , 2013 , 2013, 1-9	2.4	1
9	Quartz crystal oscillator sensor for QCM monitoring of water absorption in anticorrosion cathodic coatings 2009 ,		1
8	Monitoring of water uptake in anti-corrosion organic coatings using a quartz crystal oscillator sensor 2008 ,		1
7	Characterization of superficial modification of ferrous rusted substrates subjected to dechlorination-electrochemical process. <i>Journal of Adhesion Science and Technology</i> , 2018 , 32, 1341-1358		1
6	Corrosion Resistance of Hot Dip Aluminized Copper Alloys. <i>Advanced Materials Research</i> , 2014 , 976, 8-13	0.5	0
5	Development and characterization of sealed anodizing as a corrosion protection for AA2024-T3 in saline media. <i>Materials Today Communications</i> , 2022 , 31, 103468	2.5	0
4	Chemical Interaction of Modified Zinc Phosphate Green Pigment on Waterborne Coatings in Steel 2016 , 257-264		
3	Synthesis, Characterization, and Applications of Polymer/Graphene Oxide Composite Materials 2019 , 541-573		
2	Corrosion Behavior of Hybrid Sol-Gel Films Reinforced with Electrospun Nanofibers. <i>Solid State Phenomena</i> , 2015 , 227, 119-122	0.4	
1	Eco-Friendly Recycled Pharmaceutical Inhibitor/Waste Particle Containing Hybrid Coatings for Corrosion Protection 2016 , 245-256		