

Alba Covelo

List of Publications by Year in descending order

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papers

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1162367

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all docs

34
docs citations

34
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion protection performance of sol-gel coatings doped with red mud applied on AA2024-T3. Progress in Organic Coatings, 2012, 74, 334-342.	1.9	31
2	Ingress of water into organic coatings: Real-time monitoring of the capacitance and increase in mass. Progress in Organic Coatings, 2010, 69, 150-157.	1.9	27
3	The electrochemical behaviour of sol-gel hybrid coatings applied on AA2024-T3 alloy: Effect of the metallic surface treatment. Progress in Organic Coatings, 2010, 69, 175-183.	1.9	24
4	Effect of the experimental setup in the behaviour of sol-gel coatings. Progress in Organic Coatings, 2008, 63, 291-298.	1.9	14
5	Electrochemical characterization of PVA/SA nanofibers obtained by electrospinning processing. Surface and Interface Analysis, 2018, 50, 1012-1017.	0.8	13
6	Microstructural changes in a cementitious membrane due to the application of a DC electric field. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 985-993.	0.9	10
7	Evaluation of the biocompatibility of a PVA/SA scaffold with a human gingival fibroblast (HGF) by using electrochemical impedance spectroscopy. Bioelectrochemistry, 2020, 131, 107386.	2.4	9
8	Water uptake kinetics in anti-corrosion organic films with a high resolution microbalance oscillator sensor. Sensors and Actuators B: Chemical, 2010, 144, 443-449.	4.0	8
9	Development and characterization of sealed anodizing as a corrosion protection for AA2024-T3 in saline media. Materials Today Communications, 2022, 31, 103468.	0.9	8
10	Structural transformation of silane-based zirconium-modified sol-gel coatings. Surface and Interface Analysis, 2010, 42, 1201-1204.	0.8	7
11	Characterization of Hybrid Sol-Gel Coatings Doped with Hydrotalcite-like Compounds on Steel and Stainless Steel Alloys. ECS Transactions, 2013, 47, 195-206.	0.3	7
12	Evaluation and correlation of electrochemical and mechanical properties of PVA/SA nanofibres. Surface and Interface Analysis, 2020, 52, 1128-1133.	0.8	7
13	Correlation of high-hydrophobic sol-gel coatings with electrochemical and morphological measurements deposited on AA2024. Surface and Interface Analysis, 2016, 48, 670-675.	0.8	5
14	Characterization of the Protective Properties of Hydrotalcite on Hybrid Organic-Inorganic Sol-Gel Coatings. Corrosion, 2014, 70, 828-841.	0.5	4
15	Characterization of a Historical Cannonball from the Fortress of San Juan De Ulúa Exposed to a Marine Environment. Archaeometry, 2016, 58, 610-623.	0.6	4
16	Development and characterization of hydrophobic anodized aluminum layer to act as a long-lasting protective film in corrosion. Surface and Interface Analysis, 2018, 50, 1030-1035.	0.8	4
17	Obtención y caracterización de recubrimientos Zn-Al-Cu por inmersión en caliente sobre aceros de bajo carbono. Revista De Metalurgia, 2013, 49, 351-359.	0.1	4
18	Quartz crystal oscillator sensor for QCM monitoring of water absorption in anticorrosion cathoretic paintings. , 2009, , .		3

#	ARTICLE	IF	CITATIONS
19	Gamma-irradiated silica sol-gel coatings as a function of dose on AA2024-T3. Surface and Interface Analysis, 2014, 46, 1051-1056.	0.8	3
20	Corrosion Resistance of AA2024-T3 Coated with Graphene/Sol-Gel Films. Solid State Phenomena, 0, 227, 115-118.	0.3	3
21	Monitoring of water uptake in anti-corrosion organic coatings using a quartz crystal oscillator sensor. , 2008, , .		2
22	Electrochemical Evaluation of a Recycled Copolymer Coating for Cultural Heritage Conservation Purposes. International Journal of Polymer Science, 2013, 2013, 1-9.	1.2	2
23	Characterization of superficial modification of ferrous rusted substrates subjected to dechlorination-electrochemical process. Journal of Adhesion Science and Technology, 2018, 32, 1341-1358.	1.4	2
24	Study of the in vitro degradation and characterization of the <sc>HaCat</sc> keratinocytes adherence on electrospun scaffolds based polyvinyl alcohol/sodium alginate. Journal of Applied Polymer Science, 2022, 139, .	1.3	2
25	Characterization of hybrid sol-gel films doped with red mud particles. Surface and Interface Analysis, 2012, 44, 1177-1181.	0.8	1
26	Corrosion Resistance of Hot Dip Aluminized Copper Alloys. Advanced Materials Research, 2014, 976, 8-13.	0.3	1
27	Corrosion Behavior of Hybrid Sol-Gel Films Reinforced with Electrospun Nanofibers. Solid State Phenomena, 0, 227, 119-122.	0.3	1
28	Effect of the Coating Deposition Technique on the Protective Properties of Hybrid Sol-Gel on AA2024. ECS Transactions, 2015, 64, 45-54.	0.3	1
29	Smart Protection of Polymer-Inhibitor Doped Systems. , 2015, , 431-459.		1
30	Hydrophobic Coatings for Corrosion Control of Aluminum Heat Exchangers. , 0, , .		1
31	Mechanical and Electrochemical Characterization of an AISI 316 Implanted with Nitrogen. ECS Transactions, 2013, 47, 207-218.	0.3	0