ClÃudia E B Marino

List of Publications by Year
in descending order

53 papers	1,531 citations	331259 21 h-index	301761 39 g-index
53 all docs	53 docs citations	53 times ranked	1879 citing authors

#	Article	IF	Citations
1	SVET, SKP and EIS study of the corrosion behaviour of high strength Al and Alâ€“Li alloys used in aircraft fabrication. Corrosion Science, 2014, 84, 30-41.	3.0	170
2	On the stability of thin-anodic-oxide films of titanium in acid phosphoric media. Corrosion Science, 2001, 43, 1465-1476.	3.0	148
3	Smart coating based on double stimuli-responsive microcapsules containing linseed oil and benzotriazole for active corrosion protection. Corrosion Science, 2018, 130, 56-63.	3.0	140
4	Characterisation of electrochemically deposited Niâ€“Mo alloy coatings. Electrochemistry Communications, 2004, 6, 543-548.	2.3	106
5	XPS characterization of anodic titanium oxide films grown in phosphate buffer solutions. Thin Solid Films, 2004, 468, 109-112.	0.8	94
6	EIS characterization of a Ti-dental implant in artificial saliva media: dissolution process of the oxide barrier. Journal of Electroanalytical Chemistry, 2004, 568, 115-120.	1.9	78
7	Technological improvements in automotive battery recycling. Resources, Conservation and Recycling, 2007, 52, 368-380.	5.3	71
8	Performance of Portland cement concretes with 1% nano-Fe3O4 addition: Electrochemical stability under chloride and sulfate environments. Construction and Building Materials, 2016, 117, 152-162.	3.2	63
9	Male-Released Sex Pheromone of the Stink Bug Piezodorus hybneri. Journal of Chemical Ecology, 1998, 24, 1817-1829.	0.9	61
10	Voltammetric stability of anodic films on the Ti6Al4V alloy in chloride medium. Electrochimica Acta, 2006, 51, 6580-6583.	2.6	46
11	Heavy metals recovery from industrial wastewater using Taguchi method. Chemical Engineering Journal, 2007, 126, 139-146.	6.6	46
12	Zinc-Layered Hydroxide Salt Intercalated with Molybdate Anions as a New Smart Nanocontainer for Active Corrosion Protection of Carbon Steel. ACS Applied Materials & Interfaces, 2020, 12, 19823-19833.	4.0	42
13	Microalgae biodiesel via in situ methanolysis. Journal of Chemical Technology and Biotechnology, 2011, 86, 1418-1427.	1.6	34
14	Electrochemical and morphological analyses on the titanium surface modified by shot blasting and anodic oxidation processes. Thin Solid Films, 2013, 528, 163-166.	0.8	33
15	Electrochemical impedance behavior of mortar subjected to a sulfate environment â€“ A comparison with chloride exposure models. Construction and Building Materials, 2014, 68, 650-658.	3.2	32
16	Alkaline membrane fuel cell (AMFC) modeling and experimental validation. Journal of Power Sources, 2012, 213, 16-30.	4.0	28
17	Oxide Formation on NiTi Surface: Influence of the Heat Treatment Time to Achieve the Shape Memory. Materials Research, 2015, 18, 1053-1061.	0.6	26
18	pH-sensitive microcapsules based on biopolymers for active corrosion protection of carbon steel at different pH. Surface and Coatings Technology, 2020, 402, 126338.	2.2	26

#	ARTICLE	IF	CITATIONS
19	The Electrochemical Behavior of the NiTi Alloy in Different Simulated Body Fluids. Materials Research, 2015, 18, 184-190.	0.6	25
20	Silica/chitosan hybrid particles for smart release of the corrosion inhibitor benzotriazole. European Polymer Journal, 2019, 115, 86-98.	2.6	25
21	Benzotriazole encapsulation in spray-dried carboxymethylcellulose microspheres for active corrosion protection of carbon steel. Progress in Organic Coatings, 2020, 138, 105329.	1.9	24
22	Reactivation of passive titanium: the enhancement of O2 evolution after potentiodynamic cyclings. Electrochemistry Communications, 2000, 2, 254-258.	2.3	21
23	Growth and Electrochemical Stability of Compact Tantalum Oxides Obtained in Different Electrolytes for Biomedical Applications. Materials Research, 2015, 18, 91-97.	0.6	21
24	Investigation of the codeposition of Fe and Mo from sulphate-citrate acid solutions. Journal of Alloys and Compounds, 2007, 439, 342-345.	2.8	19
25	Performance of nitrogen ion-implanted supermartensitic stainless steel in chlorine- and hydrogen-rich environments. Surface and Coatings Technology, 2018, 351, 29-41.	2.2	17
26	Electrochemical Stability and Bioactivity Evaluation of Ti6Al4V Surface Coated with Thin Oxide by EIS for Biomedical Applications. Materials Research, 2015, 18, 602-607.	0.6	14
27	Effect of nitrogen plasma immersion ion implantation on the corrosion protection mechanisms of different stainless steels. Materials Today Communications, 2021, 28, 102655.	0.9	14
28	Electrochemical Tests to Evaluate the Stability of the Anodic Films on Dental Implants. International Journal of Electrochemistry, 2011, 2011, 1-7.	2.4	11
29	Bioactivity of self-organized TiO2nanotubes used as surface treatment on Ti biomaterials. Materials Research Express, 2016, 3, 035401.	0.8	11
30	On the Global and Localised Corrosion Behaviour of the AA2524-T3 Aluminium Alloy Used as Aircraft Fuselage Skin. Materials Research, 2019, 22, .	0.6	10
31	Performance of commercial LDH traps for chloride ion in a commercial corrosion protection primer for petrochemical industry. Corrosion Engineering Science and Technology, 2020, 55, 66-74.	0.7	10
32	Synthesis and characterization of gordaite, osakaite and simonkolleite by different methods: Comparison, phase interconversion, and potential corrosion protection applications. Journal of Solid State Chemistry, 2020, 291, 121595.	1.4	9
33	Electrochemical stability of binary TiNb for biomedical applications. Materials Research Express, 2017, 4, 075402.	0.8	8
34	Elastic modulus evaluation of Titania nanotubes obtained by anodic oxidation. Revista Materia, 2014, 19, 33-39.	0.1	7
35	Growth and electrochemical stability of self-organized TiO2nanotubes on Ti-2 grade and orthopedic Ti6Al4V alloy for biomedical application. Revista Materia, 2014, 19, 53-60.	0.1	7
36	Bioactive response of PMMA coating obtained by electrospinning on ISO5832-9 and Ti6Al4V biomaterials. Surface and Coatings Technology, 2021, 412, 127033.	2.2	7

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37	Synthesis and characterization of microalgae fatty acids or Aloe vera oil microcapsules. Polimeros, 2019, 29, .	0.2	7
38	Titanium bioactivity surfaces obtained by chemical/electrochemical treatments. Revista Materia, 2014, 19, 16-23.	0.1	6
39	A sustainable alkaline membrane fuel cell (SAMFC) stack characterization, model validation and optimal operation. International Journal of Hydrogen Energy, 2020, 45, 5723-5733.	3.8	4
40	Elastic Modulus and Hardness of Bioactive Ti Obtained by Anodic Oxidation Using Ca/P-Based Solutions. Key Engineering Materials, 0, 396-398, 323-326.	0.4	2
41	On Demand Release of Cerium from an Alginate/Cerium Complex for Corrosion Protection of AISI1020 and AA2024 Substrates. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
42	Surface and Electrochemical Analysis of Titanium Submitted to Alkaline Treatment by SEM, XRD and EIS. Key Engineering Materials, 0, 396-398, 381-384.	0.4	1
43	Influence of Surface Microstructure and Chemical Composition on the Corrosion Resistance of Plain Steel Modified by Plasma-Assisted Diffusion. Corrosion, 2014, 70, 271-282.	0.5	1
44	Plasma-Assisted Silver Deposition on Titanium Surface: Biocompatibility and Bactericidal Effect. Materials Research, 2021, 24, .	0.6	1
45	Optical (DRUV-VIS) and magnetic (EPR) behavior of synthetic melanins. Materials Research, 2012, 15, 209-212.	0.6	1
46	AÃ‡OS INOXIDÃVEIS APLICADOS NA INDÃšSTRIA PETROQUÃMICA: ESTUDO COMPARATIVO DA RESISTÃŠNCIA Ã€ CORROSÃƒO POR TÃ‰CNICAS ELETROQUÃMICAS. Tecnologia Em Metalurgia, Materiais E Mineracao, 2020, 17, 61-70.	0.1	1
47	Surface treatment with silver particles isles on Titanium cp: study of antimicrobial activity. Research, Society and Development, 2020, 9, e27942662.	0.0	1
48	Zirconia activation by ultraviolet irradiation and O₂ plasma to obtain hydrophilic surface for implantology. Materials Research Express, 2019, 6, 085414.	0.8	0
49	Effects of harmonic structure on the electrochemical behavior of biomedical Ti6Al4V. Materials Today: Proceedings, 2020, 33, 1804-1808.	0.9	0
50	Experimental Realization of TiO₂ Nanosponge/Spin-coated P3HT Heterojunction Solar Cells. Current Nanoscience, 2014, 10, 877-882.	0.7	0
51	Efficiency Enhancement of TiO2 Nanosponge/Spin-Coated P3HT Solar Cells Through the Use of Umbelliferone. Current Nanoscience, 2016, 12, 611-616.	0.7	0
52	Modification of Optical and Electrical Characteristics of PEDOT:PSS by Umbelliferone Addition: Optical and Electrical Characterization of Umbelliferone Doped PEDOT:PSS for Photovoltaic Applications. Current Nanoscience, 2018, 14, 403-409.	0.7	0
53	Influence of DLC Film Deposition on the Corrosion and Micro-abrasive Wear Tests of the 2524-T3 Al Alloy. Orbital, 2019, 11, .	0.1	0