

Isolda Costa

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174
papers

2,722
citations

26
h-index

47
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203
ext. papers

3,125
ext. citations

2.5
avg, IF

5.23
L-index

#	Paper	IF	Citations
174	Corrosion characterization of titanium alloys by electrochemical techniques. <i>Electrochimica Acta</i> , 2006 , 51, 1815-1819	6.7	473
173	Electrochemical impedance spectroscopy characterization of passive film formed on implant Ti-6Al-7Nb alloy in Hank's solution. <i>Journal of Materials Science: Materials in Medicine</i> , 2004 , 15, 55-9	4.5	122
172	Electrochemical evaluation of Ti-13Nb-13Zr, Ti-6Al-4V and Ti-6Al-7Nb alloys for biomedical application by long-term immersion tests. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007 , 58, 329-333	1.6	99
171	Evaluation of benzotriazole as corrosion inhibitor for carbon steel in simulated pore solution. <i>Cement and Concrete Composites</i> , 2009 , 31, 418-424	8.6	85
170	EIS investigation on Al 5052 alloy surface preparation for self-assembling monolayer. <i>Electrochimica Acta</i> , 2006 , 51, 1780-1788	6.7	85
169	On the corrosion mechanism of Mg investigated by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2019 , 306, 61-70	6.7	83
168	Study of the corrosion resistance and in vitro biocompatibility of PVD TiCN-coated AISI 316 L austenitic stainless steel for orthopedic applications. <i>Surface and Coatings Technology</i> , 2010 , 205, 2074-2081	4.4	68
167	Investigation of the corrosion behaviour of AA 2024-T3 in low concentrated chloride media. <i>Corrosion Science</i> , 2008 , 50, 2646-2657	6.8	59
166	The effects of niobium and nickel on the corrosion resistance of the zinc phosphate layers. <i>Surface and Coatings Technology</i> , 2008 , 202, 2008-2014	4.4	58
165	Corrosion protection of NdFeB magnets by phosphating with tungstate incorporation. <i>Surface and Coatings Technology</i> , 2006 , 200, 6826-6831	4.4	57
164	The electrochemical behaviour of Ti-13Nb-13Zr alloy in various solutions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2008 , 59, 739-743	1.6	54
163	On the AA2198-T851 alloy microstructure and its correlation with localized corrosion behaviour. <i>Corrosion Science</i> , 2018 , 131, 300-309	6.8	54
162	Nanocomposite hydroxyapatite formation on a Ti-13Nb-13Zr alloy exposed in a MEM cell culture medium and the effect of H ₂ O ₂ addition. <i>Acta Biomaterialia</i> , 2009 , 5, 63-75	10.8	52
161	Microstructure and intergranular corrosion of the austenitic stainless steel 1.4970. <i>Journal of Nuclear Materials</i> , 2006 , 358, 40-46	3.3	49
160	Improving the corrosion resistance of NdFeB magnets: an electrochemical and surface analytical study. <i>Surface and Coatings Technology</i> , 2004 , 185, 321-328	4.4	49
159	Investigation on the effect of benzotriazole on the phosphating of carbon steel. <i>Surface and Coatings Technology</i> , 2006 , 201, 3701-3708	4.4	45
158	The electrochemical behavior of Ti-6Al-7Nb alloy with and without plasma-sprayed hydroxyapatite coating in Hank's solution. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 63, 664-70		45

157	On the severe localized corrosion susceptibility of the AA2198-T851 alloy. <i>Corrosion Science</i> , 2018 , 133, 132-140	6.8	44
156	The effect of the magnetic field on the corrosion behavior of NdFeB permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 278, 348-358	2.8	39
155	Characterization of Corrosion Products on Carbon Steel Exposed to Natural Weathering and to Accelerated Corrosion Tests. <i>International Journal of Corrosion</i> , 2014 , 2014, 1-9	2	36
154	Potentiodynamic tests and electrochemical impedance spectroscopy of injection molded 316L steel in NaCl solution. <i>Corrosion Science</i> , 2001 , 43, 1019-1030	6.8	36
153	Investigation on the intergranular corrosion resistance of the AISI 316L(N) stainless steel after long time creep testing at 600 °C. <i>Materials Characterization</i> , 2008 , 59, 663-668	3.9	35
152	In vitro evaluation of corrosion and cytotoxicity of orthodontic brackets. <i>Journal of Dental Research</i> , 2007 , 86, 441-5	8.1	35
151	A comparative study of the in vitro corrosion behavior and cytotoxicity of a superferritic stainless steel, a Ti-13Nb-13Zr alloy, and an austenitic stainless steel in Hank's solution. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005 , 73, 109-16	3.5	34
150	On the microstructure characterization of the AA2098-T351 alloy welded by FSW. <i>Materials Characterization</i> , 2018 , 140, 233-246	3.9	33
149	Localized corrosion evaluation of the ASTM F139 stainless steel marked by laser using scanning vibrating electrode technique, X-ray photoelectron spectroscopy and Mott-Schottky techniques. <i>Electrochimica Acta</i> , 2014 , 124, 150-155	6.7	26
148	Cytotoxicity due to corrosion of ear piercing studs. <i>Toxicology in Vitro</i> , 2000 , 14, 497-504	3.6	25
147	Electrochemical, chemical and morphological characterization of galvanized steel coating. <i>Surface and Coatings Technology</i> , 2007 , 201, 7024-7035	4.4	24
146	Corrosion resistance and microstructure characterization of rare-earth-transition metal-aluminum-magnesium alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 342-347	5.7	23
145	Cerium conversion layer for improving the corrosion resistance of phosphated NdFeB magnets. <i>Surface and Coatings Technology</i> , 2006 , 201, 3670-3675	4.4	23
144	Correlation between corrosion resistance, anodic hydrogen evolution and microhardness in friction stir weldment of AA2198 alloy. <i>Materials Characterization</i> , 2018 , 144, 99-112	3.9	22
143	Evaluation of porosity and discontinuities in zinc phosphate coating by means of voltametric anodic dissolution (VAD). <i>Surface and Coatings Technology</i> , 2009 , 203, 1213-1219	4.4	22
142	Determinants of corrosion resistance of Ti-6Al-4V alloy dental implants in an In Vitro model of peri-implant inflammation. <i>PLoS ONE</i> , 2019 , 14, e0210530	3.7	21
141	Evaluation of selective corrosion in UNS S31803 duplex stainless steel with electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2006 , 51, 1842-1846	6.7	20
140	Effect of unequal levels of deformation and fragmentation on the electrochemical response of friction stir welded AA2024-T3 alloy. <i>Electrochimica Acta</i> , 2019 , 313, 271-281	6.7	18

139	A conversion layer based on trivalent chromium and cobalt for the corrosion protection of electrogalvanized steel. <i>Surface and Coatings Technology</i> , 2014 , 258, 426-436	4.4	18
138	The corrosion protection of RE-iron-boron magnets by a phosphate treatment. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 3907-3909	2	18
137	Investigation of the electrochemical behaviour and surface chemistry of a Ti-13Nb-13Zr alloy exposed in MEM cell culture media with and without the addition of H ₂ O ₂ . <i>Surface and Interface Analysis</i> , 2008 , 40, 220-224	1.5	18
136	Corrosion resistance evaluation of a Ca- and P-based bioceramic thin coating in Ti-6Al-4V. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 215-22	4.5	17
135	Corrosion resistance of tartaric-sulfuric acid anodized AA2024-T3 sealed with Ce and protected with hybrid sol-gel coating. <i>Surface and Coatings Technology</i> , 2019 , 372, 422-426	4.4	16
134	Thermomechanical treatment and corrosion resistance correlation in the AA2198 AlCuLi alloy. <i>Corrosion Engineering Science and Technology</i> , 2019 , 54, 575-586	1.7	15
133	Self-assembling molecules as corrosion inhibitors for 1050 aluminum. <i>Surface and Coatings Technology</i> , 2010 , 204, 3238-3242	4.4	15
132	Effect of alpha prime due to 475 °C aging on fracture behavior and corrosion resistance of DIN 1.4575 and MA 956 high performance ferritic stainless steels. <i>Journal of Materials Science</i> , 2008 , 43, 4254-433	4.3	14
131	Corrosion Resistance of Injection-Molded 17-4PH Steel in Sodium Chloride Solution. <i>Corrosion</i> , 2006 , 62, 357-365	1.8	14
130	Comparison of the corrosion resistance of an AlCu alloy and an AlCuLi alloy. <i>Corrosion Engineering Science and Technology</i> , 2019 , 54, 402-412	1.7	13
129	Galvanic and asymmetry effects on the local electrochemical behavior of the 2098-T351 alloy welded by friction stir welding. <i>Journal of Materials Science and Technology</i> , 2020 , 45, 162-175	9.1	13
128	Corrosion resistance of three austenitic stainless steels for biomedical applications. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007 , 58, 762-766	1.6	13
127	Correlating the Modes of Corrosion with Microstructure in the Friction Stir Welded AA2198-T8 Alloy in Aqueous Hydrogen Peroxide-Chloride Medium. <i>Corrosion</i> , 2019 , 75, 628-640	1.8	12
126	Preparation and characterization of alloys of the Ti-15Mo-Nb system for biomedical applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 639-648	3.5	12
125	Surface modification by argon plasma treatment improves antioxidant defense ability of CHO-k1 cells on titanium surfaces. <i>Toxicology in Vitro</i> , 2014 , 28, 381-7	3.6	12
124	Electrochemical and chemical characterization of electrodeposited zinc surface exposed to new surface treatments. <i>Surface and Coatings Technology</i> , 2016 , 294, 36-46	4.4	12
123	Multiscale Electrochemical Study of Welded Al Alloys Joined by Friction Stir Welding. <i>Journal of the Electrochemical Society</i> , 2017 , 164, C735-C746	3.9	11
122	Exfoliation corrosion susceptibility in the zones of friction stir welded AA2098-T351. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 5916-5929	5.5	11

121	Macro and microgalvanic interactions in friction stir weldment of AA2198-T851 alloy. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 6209-6222	5.5	11
120	Influence of probe size for local electrochemical impedance measurements. <i>Electrochimica Acta</i> , 2017 , 233, 256-261	6.7	10
119	Corrosion and anodizing behaviour of friction stir weldment of AA2198-T851 Al-Cu-Li alloy. <i>Materials Chemistry and Physics</i> , 2018 , 219, 493-511	4.4	10
118	Effect of surface treatments based on self-assembling molecules and cerium coatings on the AA3003 alloy corrosion resistance. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013 , 64, 199-206	1.6	10
117	Surface characterisation of ASTM F139 stainless steel marked by laser and mechanical techniques. <i>Electrochimica Acta</i> , 2013 , 114, 838-843	6.7	10
116	Use of SECM to study the electrochemical behavior of DIN 1.4575 superferritic stainless steel aged at 475 °C. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2009 , 60, 889-894	1.6	10
115	The effect of hydrogen peroxide on the electrochemical behaviour of Ti-13Nb-13Zr alloy in HanksR solution. <i>Materials Research</i> , 2006 , 9, 425-429	1.5	10
114	The effect of manufacturing process induced near-surface deformed layer on the corrosion behaviour of AA2198-T851 Al-Cu-Li alloy. <i>Corrosion Engineering Science and Technology</i> , 2019 , 54, 205-215	1.7	9
113	Qualitative use of potentiodynamic polarization and anodic hydrogen evolution in the assessment of corrosion susceptibility in AA2198-T851 Al-Cu-Li alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018 , 69, 1375-1388	1.6	9
112	The local electrochemical behavior of the AA2098-T351 and surface preparation effects investigated by scanning electrochemical microscopy. <i>Surface and Interface Analysis</i> , 2019 , 51, 982-992	1.5	8
111	Surface interactions of a W-DLC-coated biomedical AISI 316L stainless steel in physiological solution. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 863-76	4.5	8
110	Nanostructured surface pre-treatment based on self-assembled molecules for corrosion protection of Alclad 7475-T761 aluminum alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 62, 913-919	1.6	8
109	Study of an alternative phosphate sealer for replacement of hexavalent chromium. <i>Surface and Coatings Technology</i> , 2010 , 205, 2503-2510	4.4	8
108	Corrosion of Spray Formed Al-Si-Cu Alloys in Ethanol Automobile Fuel. <i>Key Engineering Materials</i> , 2001 , 189-191, 352-357	0.4	8
107	Effect of friction stir welding (FSW) on the electrochemical behavior and galvanic coupling of AA2024-T3 and AA7475-T651. <i>Materials Today Communications</i> , 2020 , 25, 101591	2.5	8
106	Electrochemical behaviour of 22MnB5 steel coated with hot-dip Al-Si before and after hot-stamping process investigated by means of scanning Kelvin probe microscopy. <i>Corrosion Science</i> , 2020 , 174, 108811	6.8	7
105	Corrosion Protection of AA2524-T3 Anodized in Tartaric-Sulfuric Acid Bath and Protected with Hybrid Sol-Gel Coating. <i>Key Engineering Materials</i> , 2016 , 710, 210-215	0.4	7
104	Effects of Niobium Ammonium Oxalate and Benzotriazole on the Corrosion Resistance of Zinc Phosphate Layer. <i>Journal of Materials Engineering and Performance</i> , 2013 , 22, 3572-3583	1.6	7

103	Corrosion behavior of Eurofer 97 and ODS-Eurofer alloys compared to traditional stainless steels. <i>Journal of Applied Electrochemistry</i> , 2011 , 41, 951-959	2.6	7
102	Corrosion Versus Mechanical Tests for Indirect Detection of Alpha Prime Phase in UNS S32520 Super Duplex Stainless Steel. <i>Corrosion</i> , 2011 , 67, 045004-1-045004-7	1.8	7
101	Evaluation of the corrosion resistance of ear piercing studs in a culture medium by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 544, 113-120	4.1	7
100	Galvanic coupling effects on the corrosion behavior of the 6061 aluminum alloy used in research nuclear reactors. <i>Journal of Nuclear Materials</i> , 2020 , 541, 152440	3.3	7
99	Bronze as alternative for replacement of nickel in intermediate layers underneath gold coatings. <i>Electrochimica Acta</i> , 2013 , 114, 799-804	6.7	6
98	Evaluation of corrosion resistance and cytotoxicity of electrodeposited gold on various types of intermediate layers. <i>Surface Engineering</i> , 2012 , 28, 108-112	2.6	6
97	Electroreductive polymerization of trans-[RuCl ₂ (vpy) ₄] on Nd-Fe-B magnets: electrochemical impedance spectroscopy interpretation, Raman spectroscopy, X-ray photoelectron spectroscopy and scanning electron microscopy analysis. <i>Journal of Solid State Electrochemistry</i> , 2004 , 8, 244-251	2.6	6
96	Chemical microanalysis of rare-earth transition metal Boron alloys and magnets using scanning electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 246, 351-359	2.8	6
95	An electrochemical study of the behaviour of ear piercing studs immersed in a culture medium. <i>Journal of Applied Electrochemistry</i> , 2002 , 32, 487-496	2.6	6
94	Characterization of Sintered NdFeB Magnets after Phosphating in Alkaline and Acidic Environments. <i>Materials Science Forum</i> , 2003 , 416-418, 54-59	0.4	6
93	Corrosion performance of Al-Si-Cu hypereutectic alloys in a synthetic condensed automotive solution. <i>Materials Research</i> , 2005 , 8, 155-159	1.5	6
92	Comparison of the corrosion resistance of DIN W. Nr. 1.4970 (15%Cr-15%Ni-1.2%Mo-Ti) and ASTM F-138 (17%Cr-13%Ni-2.5%Mo) austenitic stainless steels for biomedical applications. <i>Materials Research</i> , 2006 , 9, 281-286	1.5	6
91	How microstructure affects localized corrosion resistance of stir zone of the AA2198-T8 alloy after friction stir welding. <i>Materials Characterization</i> , 2021 , 174, 111025	3.9	6
90	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. <i>Electrochimica Acta</i> , 2021 , 373, 137910	6.7	6
89	The effect of polarisation on the electrochemical behavior of Ti-13Nb-13Zr alloy. <i>Materials Research</i> , 2007 , 10, 293-296	1.5	5
88	Effect of molybdate on phosphating of Nd-Fe-B magnets for corrosion protection. <i>Materials Research</i> , 2005 , 8, 147-150	1.5	5
87	An electrochemical investigation of the corrosion behavior of Al-Si-Cu hypereutectic alloys in alcoholic environments. <i>Revista De Metalurgia</i> , 2003 , 39, 86-90	0.4	5
86	Exfoliation and intergranular corrosion resistance of the 2198 AlCuLi alloy with different thermomechanical treatments. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2020 , 71, 1957-1970	1.6	5

85	Influence of austenitisation temperatures during hot stamping on the local electrochemical behaviour of 22MnB5 steel coated with hot-dip Al-Si. <i>Corrosion Science</i> , 2021 , 190, 109673	6.8	5
84	Effects of Picture Frame Technique (PFT) on the corrosion behavior of 6061 aluminum alloy. <i>Journal of Nuclear Materials</i> , 2020 , 539, 152320	3.3	4
83	Investigation on the Corrosion Resistance of PIM 316L Stainless Steel in PEM Fuel Cell Simulated Environment. <i>Materials Science Forum</i> , 2010 , 660-661, 209-214	0.4	4
82	Corrosion Resistance and Cytotoxicity Study of 17-4PH Steels Produced by Conventional Metallurgy and Powder Injection Molding. <i>Materials Science Forum</i> , 2008 , 591-593, 18-23	0.4	4
81	The influence of process parameters and alloy structure on the magnetic properties of NdDyFeBNb HD sintered magnets. <i>Journal of Materials Processing Technology</i> , 2004 , 152, 1-8	5.3	4
80	The effect of substrate minor compositional differences on the corrosion performance of coated steels. <i>Corrosion Science</i> , 1993 , 35, 1367-1374	6.8	4
79	Crystallographic orientation-spray formed hypereutectic aluminium-silicon alloys. <i>Materials Research</i> , 2005 , 8, 181-186	1.5	4
78	Microstructural Characteristics of the Al Alloys: The Dissimilarities Among the 2XXX Alloys Series used in Aircraft Structures. <i>Metallography, Microstructure, and Analysis</i> , 2020 , 9, 744-758	1.1	4
77	Corrosion Protection of Electrogalvanized Steel by Surface Treatments containing Cerium and Niobium compounds. <i>International Journal of Electrochemical Science</i> , 2016 , 6655-6672	2.2	4
76	Effect of surface treatments on the localized corrosion resistance of the AA2198-T8 aluminum lithium alloy welded by FSW process. <i>Surface and Interface Analysis</i> , 2019 , 51, 1231-1239	1.5	4
75	On the pitting resistance of friction stir welded UNS S82441 lean duplex stainless steel. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 3223-3233	5.5	3
74	EIS investigation of a Ce-based posttreatment step on the corrosion behaviour of Alclad AA2024 anodized in TSA. <i>Surface and Interface Analysis</i> , 2019 , 51, 1260-1275	1.5	3
73	A surface analytical investigation of cerium-based conversion coatings deposited onto an AA2024-T3 aluminium alloy cladding layer. <i>Surface and Interface Analysis</i> , 2014 , 46, 735-739	1.5	3
72	Corrosion Performance and Cytotoxicity of Sintered Nd-Fe-B Magnets. <i>Materials Science Forum</i> , 2003 , 416-418, 76-81	0.4	3
71	Evaluation of the corrosion resistance of AISI 316 stainless steel filters. <i>Materials Research</i> , 2005 , 8, 165-168	1.6	3
70	Praseodymium-based HD-sintered magnets produced using a mixture of cast alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 237, 261-266	2.8	3
69	Corrosion Behaviour of Injection Moulded 316L and 17-4PH Stainless Steels in a Sodium Chloride Solution. <i>Key Engineering Materials</i> , 2001 , 189-191, 667-672	0.4	3
68	Corrosion Behaviour of Commercial NdFeB Magnets-The Effect of Magnetization. <i>Key Engineering Materials</i> , 2001 , 189-191, 340-345	0.4	3

67	Influence of Heat Treatment on Structure and Oxidation Behavior of Zr-2.5Nb. <i>Journal of Testing and Evaluation</i> , 1989 , 17, 172	1	3
66	Microstructural, Electrochemical and Localized Corrosion Characterization of the AA2198-T851 Alloy. <i>Materials Research</i> , 2020 , 23,	1.5	3
65	EIS behavior of anodized and primer coated AA2198-T851 compared to AA2024-T3 exposed to salt spray CASS test. <i>Surface and Interface Analysis</i> , 2016 , 48, 755-766	1.5	3
64	The effect of surface pretreatment on the corrosion behaviour of silanated AA2198-T851 Al-Cu-Li alloy. <i>Surface and Interface Analysis</i> , 2019 , 51, 275-289	1.5	3
63	Non-destructive analysis in the study of historical photographs by pXRF and ATR-FTIR spectroscopies. <i>Journal of Forensic Sciences</i> , 2021 , 66, 1048-1055	1.8	3
62	A correlation between microstructure and residual stress in the 6061 Al-Mg-Si alloy with different thermomechanical process. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	2
61	On the Effects of Hydrothermal Treatments on the Corrosion Resistance of the TSA Anodized AA7475-T761 Alloy. <i>Key Engineering Materials</i> , 2016 , 710, 169-174	0.4	2
60	Correlation between microstructure and corrosion behavior of two Al-Be-Si alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016 , 67, 286-296	1.6	2
59	Niobium pentoxide coating replacing zinc phosphate coating. <i>Revista Materia</i> , 2014 , 19, 105-116	0.8	2
58	EIS investigation of the corrosion resistance of uncoated and coated Nd-Fe-B magnets in PBS solution. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 264-271	1.5	2
57	Study of the correlation between corrosion resistance and semi-conducting properties of the passive film of AISI 316L stainless steel in physiological solution. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 63, n/a-n/a	1.6	2
56	The comparison of the corrosion resistance of advanced ferromagnetic stainless steels by Mott-Schottky approach. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 62, 1061-1065	1.6	2
55	A Comparative Study of the Corrosion Resistance of Stainless Steels Obtained by Powder Metallurgy Techniques for Application in Dental Prosthesis. <i>Materials Science Forum</i> , 2010 , 660-661, 617-622	0.4	2
54	TIG Welding of Sintered AISI 316 L Stainless Steel. <i>Materials Science Forum</i> , 2010 , 660-661, 454-459	0.4	2
53	Use of SECM to compare corrosion resistance of DIN W. Nr. 1.4460 high N and AISI 316L austenitic stainless steels in physiological solutions. <i>Corrosion Engineering Science and Technology</i> , 2011 , 46, 599-604	1.7	2
52	Effect of Trivalent Chromium Based Treatment on the Protective Properties of Steel Coated with Polymeric Film. <i>ECS Transactions</i> , 2012 , 43, 41-44	1	2
51	Effect of Intermetallics on the Corrosion of Al 2024-T3 Alloy in Solutions with Different Chloride Concentration. <i>Materials Science Forum</i> , 2008 , 587-588, 415-419	0.4	2
50	Corrosion and Cytotoxicity Evaluation of AISI 316L Stainless Steel Produced by Powder Injection Molding (PIM) Technology. <i>Materials Science Forum</i> , 2005 , 498-499, 86-92	0.4	2

49	Corrosion Protection of a Commercial NdFeB Magnet by Phosphating. <i>Key Engineering Materials</i> , 2001 , 189-191, 363-368	0.4	2
48	Corrosion Characterization of Electrodeposited Organometallic Films on Nd-Fe-B Permanent Magnets. <i>Key Engineering Materials</i> , 2001 , 189-191, 673-0	0.4	2
47	Neutron activation analysis of corrosion products from gold coated ear piercing studs. <i>Radiation Physics and Chemistry</i> , 1999 , 55, 753-756	2.5	2
46	Characterization of 22MnB5 steel metallic coated with either hot-dip AlSi or electroplated ZnNi before and after hot stamping		2
45	AVALIAÇÃO DO SISTEMA ZN-CR III-REVESTIMENTO ORGANICO POR ESPECTROSCOPIA DE IMPEDÂNCIA ELETROQUÍMICA. <i>Tecnologia Em Metalurgia, Materiais E Mineracao</i> , 2013 , 10, 8-15	1.7	2
44	Deposition and characterization of a sol-gel Mg-substituted fluorapatite coating with new stoichiometries. <i>Applied Surface Science</i> , 2020 , 505, 144393	6.7	2
43	The Effect of Acid Pickling on the Corrosion Behavior of a Cerium Conversion-Coated AA2198-T851 Al-Cu-Li Alloy. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 167-174	1.6	2
42	Comparison of Corrosion Resistance of the AA2524-T3 and the AA2024-T3. <i>Metals</i> , 2021 , 11, 980	2.3	2
41	Depth profiling approach to evaluate the influence of hot stamping on the local electrochemical behaviour and galvanic series of hot-dip Al-Si coating on 22MnB5 steel. <i>Corrosion Science</i> , 2021 , 185, 109435	6.8	2
40	Hydrothermal Surface Treatments with Cerium and Glycol Molecules on the AA 2024-T3 Clad Alloy. <i>Key Engineering Materials</i> , 2016 , 710, 216-221	0.4	2
39	Localized Corrosion Resistance of Dissimilar Aluminum Alloys Joined by Friction Stir Welding (FSW). <i>Key Engineering Materials</i> , 2016 , 710, 41-46	0.4	2
38	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. <i>Sensors</i> , 2021 , 21,	3.8	2
37	A comparative study of the corrosion resistance of incoloy MA 956 and PM 2000 superalloys. <i>Materials Research</i> , 2010 , 13, 425-429	1.5	1
36	Corrosion Resistance Evaluation of Porous Titanium with Biomimetic Coatings. <i>Materials Science Forum</i> , 2008 , 591-593, 55-60	0.4	1
35	The influence of ingot annealing on the corrosion resistance of a PrFeCoBNbP alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e43-e45	2.8	1
34	The Influence of Al, Cu and P Content on the Magnetic Properties of PrFeCoBNb-Based HDDR Magnets. <i>Materials Science Forum</i> , 2006 , 530-531, 170-175	0.4	1
33	The Corrosion Behaviour of a Hypereutectic Al-Si Alloy Obtained by Spray Forming in Acid, Neutral and Alkaline Solutions. <i>Materials Science Forum</i> , 2006 , 530-531, 126-131	0.4	1
32	Mechanical and Microstructural Characterisation of Cylinder Liners. <i>Materials Science Forum</i> , 2003 , 416-418, 407-412	0.4	1

31	Corrosion Characterization of Sintered Stainless Steel Filters with Surface Films Formed in Sulfuric Acid Solutions Containing BTAH. <i>Materials Science Forum</i> , 2003 , 416-418, 70-75	0.4	1
30	Characterization of ear piercing studs and their corrosion products by neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001 , 248, 133-136	1.5	1
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