Isolda Costa

List of Publications by Year in Descending Order

174 papers	2,722 citations	26 h-index	47 g-index
203 ext. papers	3,125 ext. citations	2.5 avg, IF	5.23 L-index

#	Paper	IF	Citations
174	Comparing the corrosion behaviour of AA2050 and AA7050 aluminium alloys by scanning vibrating electrode and scanning ion-selective electrode techniques. *Corrosion Engineering Science and Technology*, **2022**, 57, 85-96	1.7	0
173	The Hot-Stamping Effect on the Corrosion Properties of the 22MnB5 Steel Coated with Hot-Dip Aluminum-Silicon Assessed by a Salt Spray Test and Raman Spectroscopy. *Corrosion*, **2022**, 78, 339-349	1.8	
172	Development of an Al3+ ion-selective microelectrode for the potentiometric microelectrochemical monitoring of corrosion sites on 2098-T351 aluminum alloy surfaces. *Electrochimica Acta*, **2022**, 415, 140260	6.7	0
171	Corrosion characterization of the 6061 Al-Mg-Si alloy in synthetic acid rain using neutron tomography.. *Applied Radiation and Isotopes*, **2022**, 184, 110197	1.7	0
170	Niobium- and titanium-based coating for the protection of carbon steel SAE 1020 against corrosion. *Anti-Corrosion Methods and Materials*, **2022**, 69, 426	0.8	0
169	On the Interaction between Uniaxial Stress Loading and the Corrosion Behavior of the ISO 5832-1 Surgical Stainless Steel. *Journal of Materials Engineering and Performance*, **2021**, 30, 2691-2707	1.6	0
168	How microstructure affects localized corrosion resistance of stir zone of the AA2198-T8 alloy after friction stir welding. *Materials Characterization*, **2021**, 174, 111025	3.9	6
167	Comparison of Corrosion Resistance of the AA2524-T3 and the AA2024-T3. *Metals*, **2021**, 11, 980	2.3	2
166	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. *Corrosion Science*, **2021**, 185, 109435	6.8	2
165	Corrosion protection of the AA2198-T8 alloy by environmentally friendly organic-inorganic sol-gel coating based on bis-1,2-(triethoxysilyl) ethane. *Surface and Interface Analysis*, **2021**, 53, 314-329	1.5	1
164	Influence of chloride ions concentration on the development of severe localised corrosion and its effects on the electrochemical response of the 2198-T8 alloy. *Corrosion Engineering Science and Technology*, **2021**, 56, 341-350	1.7	1
163	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. *Sensors*, **2021**, 21,	3.8	2
162	Non-destructive analysis in the study of historical photographs by pXRF and ATR-FTIR spectroscopies. *Journal of Forensic Sciences*, **2021**, 66, 1048-1055	1.8	3
161	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. *Electrochimica Acta*, **2021**, 373, 137910	6.7	6
160	Influence of austenitisation temperatures during hot stamping on the local electrochemical behaviour of 22MnB5 steel coated with hot-dip Al-Si. *Corrosion Science*, **2021**, 190, 109673	6.8	5
159	A correlation between microstructure and residual stress in the 6061 Al-Mg-Si alloy with different thermomechanical process. *SN Applied Sciences*, **2020**, 2, 1	1.8	2
158	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. *Corrosion Science*, **2020**, 174, 108811	6.8	7

157	Effects of Picture Frame Technique (PFT) on the corrosion behavior of 6061 aluminum alloy. *Journal of Nuclear Materials*, **2020**, 539, 152320	3.3	4
156	Galvanic and asymmetry effects on the local electrochemical behavior of the 2098-T351 alloy welded by friction stir welding. *Journal of Materials Science and Technology*, **2020**, 45, 162-175	9.1	13
155	Microstructural, Electrochemical and Localized Corrosion Characterization of the AA2198-T851 Alloy. *Materials Research*, **2020**, 23,	1.5	3
154	Deposition and characterization of a sol-gel Mg-substituted fluorapatite coating with new stoichiometries. *Applied Surface Science*, **2020**, 505, 144393	6.7	2
153	The Effect of Acid Pickling on the Corrosion Behavior of a Cerium Conversion-Coated AA2198-T851 Al-Cu-Li Alloy. *Journal of Materials Engineering and Performance*, **2020**, 29, 167-174	1.6	2
152	Effect of friction stir welding (FSW) on the electrochemical behavior and galvanic coupling of AA2024-T3 and AA7475-T651. *Materials Today Communications*, **2020**, 25, 101591	2.5	8
151	Microstructural Characteristics of the Al Alloys: The Dissimilarities Among the 2XXX Alloys Series used in Aircraft Structures. *Metallography, Microstructure, and Analysis*, **2020**, 9, 744-758	1.1	4
150	Galvanic coupling effects on the corrosion behavior of the 6061 aluminum alloy used in research nuclear reactors. *Journal of Nuclear Materials*, **2020**, 541, 152440	3.3	7
149	Exfoliation and intergranular corrosion resistance of the 2198 Al□Cu□Li alloy with different thermomechanical treatments. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2020**, 71, 1957-1970	1.6	5
148	Effect of Cerium Addition to a Hydrothermal Treatment on the Corrosion Protection of the Tartaric-Sulfuric Acid´ Anodized AA2524-T3. *Corrosion*, **2019**, 75, 1110-1117	1.8	0
147	Correlating the Modes of Corrosion with Microstructure in the Friction Stir Welded AA2198-T8 Alloy in Aqueous Hydrogen Peroxide-Chloride Medium. *Corrosion*, **2019**, 75, 628-640	1.8	12
146	On the pitting resistance of friction stir welded UNS S82441 lean duplex stainless steel. *Journal of Materials Research and Technology*, **2019**, 8, 3223-3233	5.5	3
145	Corrosion resistance of tartaric-sulfuric acid anodized AA2024-T3 sealed with Ce and protected with hybrid sol□gel coating. *Surface and Coatings Technology*, **2019**, 372, 422-426	4.4	16
144	Effect of unequal levels of deformation and fragmentation on the electrochemical response of friction stir welded AA2024-T3 alloy. *Electrochimica Acta*, **2019**, 313, 271-281	6.7	18
143	EIS investigation of a Ce-based posttreatment step on the corrosion behaviour of Alclad AA2024 anodized in TSA. *Surface and Interface Analysis*, **2019**, 51, 1260-1275	1.5	3
142	On the corrosion mechanism of Mg investigated by electrochemical impedance spectroscopy. *Electrochimica Acta*, **2019**, 306, 61-70	6.7	83
141	Comparison of the corrosion resistance of an Al□Cu alloy and an Al□Cu□Li alloy. *Corrosion Engineering Science and Technology*, **2019**, 54, 402-412	1.7	13
140	Determinants of corrosion resistance of Ti-6Al-4V alloy dental implants in an In Vitro model of peri-implant inflammation. *PLoS ONE*, **2019**, 14, e0210530	3.7	21

139	The local electrochemical behavior of the AA2098-T351 and surface preparation effects investigated by scanning electrochemical microscopy. *Surface and Interface Analysis*, **2019**, 51, 982-992	1.5	8
138	Thermomechanical treatment and corrosion resistance correlation in the AA2198 Al□Cu□Li alloy. *Corrosion Engineering Science and Technology*, **2019**, 54, 575-586	1.7	15
137	Exfoliation corrosion susceptibility in the zones of friction stir welded AA2098-T351. *Journal of Materials Research and Technology*, **2019**, 8, 5916-5929	5.5	11
136	Macro and microgalvanic interactions in friction stir weldment of AA2198-T851 alloy. *Journal of Materials Research and Technology*, **2019**, 8, 6209-6222	5.5	11
135	Effect of surface treatments on the localized corrosion resistance of the AA2198-T8 aluminum lithium alloy welded by FSW process. *Surface and Interface Analysis*, **2019**, 51, 1231-1239	1.5	4
134	The effect of manufacturing process induced near-surface deformed layer on the corrosion behaviour of AA2198-T851 Al□Cu□Li alloy. *Corrosion Engineering Science and Technology*, **2019**, 54, 205-215	1.7	9
133	The effect of surface pretreatment on the corrosion behaviour of silanated AA2198-T851 Al-Cu-Li alloy. *Surface and Interface Analysis*, **2019**, 51, 275-289	1.5	3
132	On the microstructure characterization of the AA2098-T351 alloy welded by FSW. *Materials Characterization*, **2018**, 140, 233-246	3.9	33
131	On the severe localized corrosion susceptibility of the AA2198-T851 alloy. *Corrosion Science*, **2018**, 133, 132-140	6.8	44
130	Preparation and characterization of alloys of the Ti-15Mo-Nb system for biomedical applications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 639-648	3.5	12
129	Correlation between corrosion resistance, anodic hydrogen evolution and microhardness in friction stir weldment of AA2198 alloy. *Materials Characterization*, **2018**, 144, 99-112	3.9	22
128	Corrosion and anodizing behaviour of friction stir weldment of AA2198-T851 Al-Cu-Li alloy. *Materials Chemistry and Physics*, **2018**, 219, 493-511	4.4	10
127	On the AA2198-T851 alloy microstructure and its correlation with localized corrosion behaviour. *Corrosion Science*, **2018**, 131, 300-309	6.8	54
126	Corrosion Characterization of AISI 304 Stainless Steel Filter. *Materials Science Forum*, **2018**, 930, 489-494	0.4	
125	Qualitative use of potentiodynamic polarization and anodic hydrogen evolution in the assessment of corrosion susceptibility in AA2198-T851 Al□Cu□Li alloy. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2018**, 69, 1375-1388	1.6	9
124	Effects of Magnesium Content on Structure and Electrochemical Properties of La-Mg-Pr-Al-Mn-Co-Ni Hydrogen Storage Alloys. *Advances in Materials Science and Engineering*, **2018**, 2018, 1-11	1.5	0
123	Influence of probe size for local electrochemical impedance measurements. *Electrochimica Acta*, **2017**, 233, 256-261	6.7	10
122	Multiscale Electrochemical Study of Welded Al Alloys Joined by Friction Stir Welding. *Journal of the Electrochemical Society*, **2017**, 164, C735-C746	3.9	11

121	On the Effects of Hydrothermal Treatments on the Corrosion Resistance of the TSA Anodized AA7475-T761 Alloy. *Key Engineering Materials*, **2016**, 710, 169-174	0.4	2
120	Corrosion Protection of AA2524-T3 Anodized in Tartaric-Sulfuric Acid Bath and Protected with Hybrid Sol-Gel Coating. *Key Engineering Materials*, **2016**, 710, 210-215	0.4	7
119	Correlation between microstructure and corrosion behavior of two Al–Fe–Si alloys. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2016**, 67, 286-296	1.6	2
118	Corrosion Protection of Electrogalvanized Steel by Surface Treatments containing Cerium and Niobium compounds. *International Journal of Electrochemical Science*, **2016**, 6655-6672	2.2	4
117	EIS behavior of anodized and primer coated AA2198-T851 compared to AA2024-T3 exposed to salt spray CASS test. *Surface and Interface Analysis*, **2016**, 48, 755-766	1.5	3
116	Hydrothermal Surface Treatments with Cerium and Glycol Molecules on the AA 2024-T3 Clad Alloy. *Key Engineering Materials*, **2016**, 710, 216-221	0.4	2
115	Electrochemical and chemical characterization of electrodeposited zinc surface exposed to new surface treatments. *Surface and Coatings Technology*, **2016**, 294, 36-46	4.4	12
114	Localized Corrosion Resistance of Dissimilar Aluminum Alloys Joined by Friction Stir Welding (FSW). *Key Engineering Materials*, **2016**, 710, 41-46	0.4	2
113	Corrosion characterization of phosphated carbon steel treated with benzotriazole. *Anti-Corrosion Methods and Materials*, **2015**, 62, 379-387	0.8	
112	Corrosion protection in sulfate medium by self-assemb films adsorbed on AA 2024 T3 aluminum alloy surface. *Revista Materia*, **2015**, 20, 420-435	0.8	
111	Surface modification by argon plasma treatment improves antioxidant defense ability of CHO-k1 cells on titanium surfaces. *Toxicology in Vitro*, **2014**, 28, 381-7	3.6	12
110	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. *Electrochimica Acta*, **2014**, 124, 150-155	6.7	26
109	A conversion layer based on trivalent chromium and cobalt for the corrosion protection of electrogalvanized steel. *Surface and Coatings Technology*, **2014**, 258, 426-436	4.4	18
108	Characterization of Corrosion Products on Carbon Steel Exposed to Natural Weathering and to Accelerated Corrosion Tests. *International Journal of Corrosion*, **2014**, 2014, 1-9	2	36
107	Niobium pentoxide coating replacing zinc phosphate coating. *Revista Materia*, **2014**, 19, 105-116	0.8	2
106	A surface analytical investigation of cerium-based conversion coatings deposited onto an AA2024-T3 aluminium alloy cladding layer. *Surface and Interface Analysis*, **2014**, 46, 735-739	1.5	3
105	Effect of surface treatments based on self-assembling molecules and cerium coatings on the AA3003 alloy corrosion resistance. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2013**, 64, 199-206	1.6	10
104	Surface interactions of a W-DLC-coated biomedical AISI 316L stainless steel in physiological solution. *Journal of Materials Science: Materials in Medicine*, **2013**, 24, 863-76	4.5	8

103	Effects of Niobium Ammonium Oxalate and Benzotriazole on the Corrosion Resistance of Zinc Phosphate Layer. *Journal of Materials Engineering and Performance*, **2013**, 22, 3572-3583	1.6	7
102	Bronze as alternative for replacement of nickel in intermediate layers underneath gold coatings. *Electrochimica Acta*, **2013**, 114, 799-804	6.7	6
101	Surface characterisation of ASTM F139 stainless steel marked by laser and mechanical techniques. *Electrochimica Acta*, **2013**, 114, 838-843	6.7	10
100	AVALIAˆ D DO SISTEMA ZN-CR III-REVESTIMENTO ORGˆ NICO POR ESPECTROSCOPIA DE IMPEDˆ NCIA ELETROQUˆ MICA. *Tecnologia Em Metalurgia, Materiais E Mineracao*, **2013**, 10, 8-15	1.7	2
99	Evaluation of corrosion resistance and cytotoxicity of electrodeposited gold on various types of intermediate layers. *Surface Engineering*, **2012**, 28, 108-112	2.6	6
98	Effect of the Sintering Atmosphere on the Corrosion Resistance of Titanium for Application as Biomaterial. *Materials Science Forum*, **2012**, 727-728, 85-89	0.4	
97	Effect of Trivalent Chromium Based Treatment on the Protective Properties of Steel Coated with Polymeric Film. *ECS Transactions*, **2012**, 43, 41-44	1	2
96	Aplicaˆ o de SAM em liga de alumˆ nio AA 2024-T3 com desengraxe alcalino. *Revista Escola De Minas* , **2012**, 65, 93-98		
95	EIS investigation of the corrosion resistance of uncoated and coated Nd-Fe-B magnets in PBS solution. *Journal of the Brazilian Chemical Society*, **2011**, 22, 264-271	1.5	2
94	Study of the correlation between corrosion resistance and semi-conducting properties of the passive film of AISI 316L stainless steel in physiological solution. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2011**, 63, n/a-n/a	1.6	2
93	Corrosion behavior of Eurofer 97 and ODS-Eurofer alloys compared to traditional stainless steels. *Journal of Applied Electrochemistry*, **2011**, 41, 951-959	2.6	7
92	The comparison of the corrosion resistance of advanced ferromagnetic stainless steels by MottSchottky approach. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2011**, 62, 1061-1065	1.6	2
91	Nanostructured surface pre-treatment based on self-assembled molecules for corrosion protection of Alclad 7475-T761 aluminum alloy. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2011**, 62, 913-919	1.6	8
90	Corrosion Versus Mechanical Tests for Indirect Detection of Alpha Prime Phase in UNS S32520 Super Duplex Stainless Steel. *Corrosion*, **2011**, 67, 045004-1-045004-7	1.8	7
89	Use of SECM to compare corrosion resistance of DIN W. Nr. 1´ 4460 high N and AISI 316L austenitic stainless steels in physiological solutions. *Corrosion Engineering Science and Technology*, **2011**, 46, 599-604	1.7	2
88	A comparative study of the corrosion resistance of incoloy MA 956 and PM 2000 superalloys. *Materials Research*, **2010**, 13, 425-429	1.5	1
87	Investigation on the Corrosion Resistance of PIM 316L Stainless Steel in PEM Fuel Cell Simulated Environment. *Materials Science Forum*, **2010**, 660-661, 209-214	0.4	4
86	A Comparative Study of the Corrosion Resistance of Stainless Steels Obtained by Powder Metallurgy Techniques for Application in Dental Prosthesis. *Materials Science Forum*, **2010**, 660-661, 617-622	0.4	2

85	TIG Welding of Sintered AISI 316 L Stainless Steel. *Materials Science Forum*, **2010**, 660-661, 454-459	0.4	2
84	Study of the corrosion resistance and in vitro biocompatibility of PVD TiCN-coated AISI 316 L austenitic stainless steel for orthopedic applications. *Surface and Coatings Technology*, **2010**, 205, 2074-2081	4.4	68
83	Self-assembling molecules as corrosion inhibitors for 1050 aluminum. *Surface and Coatings Technology*, **2010**, 204, 3238-3242	4.4	15
82	Study of an alternative phosphate sealer for replacement of hexavalent chromium. *Surface and Coatings Technology*, **2010**, 205, 2503-2510	4.4	8
81	Use of SECM to study the electrochemical behavior of DIN 1.4575 superferritic stainless steel aged at 475 ´ °C. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2009**, 60, 889-894	1.6	10
80	Evaluation of porosity and discontinuities in zinc phosphate coating by means of voltametric anodic dissolution (VAD). *Surface and Coatings Technology*, **2009**, 203, 1213-1219	4.4	22
79	Corrosion resistance evaluation of a Ca- and P-based bioceramic thin coating in Ti-6Al-4V. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 215-22	4.5	17
78	Evaluation of benzotriazole as corrosion inhibitor for carbon steel in simulated pore solution. *Cement and Concrete Composites*, **2009**, 31, 418-424	8.6	85
77	Nanocomposite hydroxyapatite formation on a Ti-13Nb-13Zr alloy exposed in a MEM cell culture medium and the effect of H2O2 addition. *Acta Biomaterialia*, **2009**, 5, 63-75	10.8	52
76	Corrosion resistance and microstructure characterization of rare-earth-transition metal□luminum□agnesium alloys. *Journal of Alloys and Compounds*, **2009**, 479, 342-347	5.7	23
75	Investigation on the intergranular corrosion resistance of the AISI 316L(N) stainless steel after long time creep testing at 600´ ´ °C. *Materials Characterization*, **2008**, 59, 663-668	3.9	35
74	Investigation of the corrosion behaviour of AA 2024-T3 in low concentrated chloride media. *Corrosion Science*, **2008**, 50, 2646-2657	6.8	59
73	Corrosion Resistance and Cytotoxicity Study of 17-4PH Steels Produced by Conventional Metallurgy and Powder Injection Molding. *Materials Science Forum*, **2008**, 591-593, 18-23	0.4	4
72	Assessment of the Corrosion Behavior of Nd-Fe-B Magnets Used in Dentistry. *Materials Science Forum*, **2008**, 587-588, 57-61	0.4	
71	Effect of Intermetallics on the Corrosion of Al 2024-T3 Alloy in Solutions with Different Chloride Concentration. *Materials Science Forum*, **2008**, 587-588, 415-419	0.4	2
70	The Effect of Niobium and Boron Content on Magnetic Properties and Corrosion Resistance of Pr-Fe-Co-B-Nb HD Magnets. *Materials Science Forum*, **2008**, 591-593, 96-101	0.4	
69	Corrosion Resistance Evaluation of Porous Titanium with Biomimetic Coatings. *Materials Science Forum*, **2008**, 591-593, 55-60	0.4	1
68	The effects of niobium and nickel on the corrosion resistance of the zinc phosphate layers. *Surface and Coatings Technology*, **2008**, 202, 2008-2014	4.4	58

67	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. *Journal of Materials Science*, **2008**, 43, 425-433	4.2	14
66	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 H2O2. *Surface and Interface Analysis*, **2008**, 40, 220-224	1.5	18
65	The electrochemical behaviour of Ti-13Nb-13Zr alloy in various solutions. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2008**, 59, 739-743	1.6	54
64	The influence of ingot annealing on the corrosion resistance of a PrFeCoBNbP alloy. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, e43-e45	2.8	1
63	The effect of polarisation on the electrochemical behavior of Ti-13Nb-13Zr alloy. *Materials Research* , **2007**, 10, 293-296	1.5	5
62	Electrochemical evaluation of Ti-13Nb-13Zr, Ti-6Al-4V and Ti-6Al-7Nb alloys for biomedical application by long-term immersion tests. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2007**, 58, 329-333	1.6	99
61	Corrosion resistance of three austenitic stainless steels for biomedical applications. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2007**, 58, 762-766	1.6	13
60	Electrochemical, chemical and morphological characterization of galvannealed steel coating. *Surface and Coatings Technology*, **2007**, 201, 7024-7035	4.4	24
59	In vitro evaluation of corrosion and cytotoxicity of orthodontic brackets. *Journal of Dental Research*, **2007**, 86, 441-5	8.1	35
58	Corrosion Resistance of Injection-Molded 17-4PH Steel in Sodium Chloride Solution. *Corrosion*, **2006** , 62, 357-365	1.8	14
57	Studies on the Preparation, Characterization and Corrosion Behaviour of Injection Molded 316L Steel Electrochemically Coated by Poly{trans[dichloro (4-vinylpyridine) ruthenium]}. *Materials Science Forum*, **2006**, 530-531, 85-91	0.4	
56	The Influence of Al, Cu and P Content on the Magnetic Properties of PrFeCoBNb-Based HDDR Magnets. *Materials Science Forum*, **2006**, 530-531, 170-175	0.4	1
55	Corrosion Resistance of Nd-Fe-B Magnets Coated with Polypyrrole Films. *Materials Science Forum*, **2006**, 530-531, 111-116	0.4	
54	The Corrosion Behaviour of TiN-Coated Powder Injection Molded AISI 316L Steel. *Materials Science Forum*, **2006**, 530-531, 105-110	0.4	
53	The Corrosion Behaviour of a Hypereutectic Al-Si Alloy Obtained by Spray Forming in Acid, Neutral and Alkaline Solutions. *Materials Science Forum*, **2006**, 530-531, 126-131	0.4	1
52	The effect of hydrogen peroxide on the electrochemical behaviour of Ti-13Nb-13Zr alloy in HanksR solution. *Materials Research*, **2006**, 9, 425-429	1.5	10
51	Evaluation of selective corrosion in UNS S31803 duplex stainless steel with electrochemical impedance spectroscopy. *Electrochimica Acta*, **2006**, 51, 1842-1846	6.7	20
50	EIS investigation on Al 5052 alloy surface preparation for self-assembling monolayer. *Electrochimica Acta*, **2006**, 51, 1780-1788	6.7	85

49	Corrosion characterization of titanium alloys by electrochemical techniques. *Electrochimica Acta*, **2006**, 51, 1815-1819	6.7	473
48	Microstructure and intergranular corrosion of the austenitic stainless steel 1.4970. *Journal of Nuclear Materials*, **2006**, 358, 40-46	3.3	49
47	Corrosion protection of NdFeB magnets by phosphating with tungstate incorporation. *Surface and Coatings Technology*, **2006**, 200, 6826-6831	4.4	57
46	Cerium conversion layer for improving the corrosion resistance of phosphated NdFeB magnets. *Surface and Coatings Technology*, **2006**, 201, 3670-3675	4.4	23
45	Investigation on the effect of benzotriazole on the phosphating of carbon steel. *Surface and Coatings Technology*, **2006**, 201, 3701-3708	4.4	45
44	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. *Materials Research*, **2006**, 9, 281-286	1.5	6
43	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. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2005**, 73, 109-16	3.5	34
42	Evaluation of the corrosion resistance of AISI 316 stainless steel filters. *Materials Research*, **2005**, 8, 165-168	1.5	3
41	Corrosion performance of Al-Si-Cu hypereutectic alloys in a synthetic condensed automotive solution. *Materials Research*, **2005**, 8, 155-159	1.5	6
40	Effect of molybdate on phosphating of Nd-Fe-B magnets for corrosion protection. *Materials Research*, **2005**, 8, 147-150	1.5	5
39	Corrosion and Cytotoxicity Evaluation of AISI 316L Stainless Steel Produced by Powder Injection Molding (PIM) Technology. *Materials Science Forum*, **2005**, 498-499, 86-92	0.4	2
38	Corrosion Protection of AISI 304 Stainless Steel Filters by a Surface Treatment. *Materials Science Forum*, **2005**, 498-499, 93-97	0.4	
37	An Investigation on the Corrosion Behaviour of Nd-Fe-B Magnets in a Chloride Solution. *Materials Science Forum*, **2005**, 498-499, 98-103	0.4	
36	Crystallographic orientation-spray formed hypereutectic aluminium-silicon alloys. *Materials Research*, **2005**, 8, 181-186	1.5	4
35	Electrochemical impedance spectroscopy characterization of passive film formed on implant Ti-6Al-7Nb alloy in Hank's solution. *Journal of Materials Science: Materials in Medicine*, **2004**, 15, 55-9	4.5	122
34	Electroreductive polymerization of trans-[RuCl2(vpy)4] on Nd-Fe-B magnets: electrochemical impedance spectroscopy interpretation, Raman spectroscopy, X-ray photoelectron spectroscopy and scanning electron microscopy analysis. *Journal of Solid State Electrochemistry*, **2004**, 8, 244-251	2.6	6
33	The effect of the magnetic field on the corrosion behavior of NdFeB permanent magnets. *Journal of Magnetism and Magnetic Materials*, **2004**, 278, 348-358	2.8	39
32	Improving the corrosion resistance of NdFeB magnets: an electrochemical and surface analytical study. *Surface and Coatings Technology*, **2004**, 185, 321-328	4.4	49

31	The influence of process parameters and alloy structure on the magnetic properties of NdDyFeBNb HD sintered magnets. *Journal of Materials Processing Technology*, **2004**, 152, 1-8	5.3	4
30	Evaluation of the corrosion resistance of ear piercing studs in a culture medium by electrochemical impedance spectroscopy. *Journal of Electroanalytical Chemistry*, **2003**, 544, 113-120	4.1	7
29	The Effect of Zirconium Additions on the Magnetic Properties of Pr-Fe-B HD Sintered Magnets. *Materials Science Forum*, **2003**, 416-418, 168-171	0.4	
28	Mechanical and Microstructural Characterisation of Cylinder Liners. *Materials Science Forum*, **2003**, 416-418, 407-412	0.4	1
27	Corrosion Performance and Cytotoxicity of Sintered Nd-Fe-B Magnets. *Materials Science Forum*, **2003**, 416-418, 76-81	0.4	3
26	Characterization of Sintered NdFeB Magnets after Phosphating in Alkaline and Acidic Environments. *Materials Science Forum*, **2003**, 416-418, 54-59	0.4	6
25	Corrosion Resistance of Powder Injection Moulded AISI 316L and 17-4PH Stainless Steels in Acid Rain Environments. *Materials Science Forum*, **2003**, 416-418, 64-69	0.4	
24	Corrosion Characterization of Sintered Stainless Steel Filters with Surface Films Formed in Sulfuric Acid Solutions Containing BTAH. *Materials Science Forum*, **2003**, 416-418, 70-75	0.4	1
23	An electrochemical investigation of the corrosion behavior of Al-Si-Cu hypereutectic alloys in alcoholic environments. *Revista De Metalurgia*, **2003**, 39, 86-90	0.4	5
22	The electrochemical behavior of Ti-6Al-7Nb alloy with and without plasma-sprayed hydroxyapatite coating in Hank's solution. *Journal of Biomedical Materials Research Part B*, **2002**, 63, 664-70		45
21	Chemical microanalysis of rare-earth–transition metal–boron alloys and magnets using scanning electron microscopy. *Journal of Magnetism and Magnetic Materials*, **2002**, 246, 351-359	2.8	6
20	An electrochemical study of the behaviour of ear piercing studs immersed in a culture medium. *Journal of Applied Electrochemistry*, **2002**, 32, 487-496	2.6	6
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