Dominique Thierry

List of Publications by Year
in descending order

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197 papers	8,031 citations	61984 43 h-index	62596 80 g-index
202 all docs	202 docs citations	202 times ranked	5634 citing authors

#	Article	IF	Citations
1	Selective dissolution during acid pickling of aluminum alloys by element-resolved electrochemistry. Electrochimica Acta, 2022, 404, 139737.	5.2	6
2	Hydrogen detection in high strength dual phase steel using scanning Kelvin probe technique and XPS analyses. Corrosion Science, 2022, 197, 110072.	6.6	9
3	Fatigue Behavior of Super Duplex Stainless Steel Exposed in Natural Seawater Under Cathodic Protection. Frontiers in Materials, 2022, 9, .	2.4	1
4	Review of Cr-Free Coatings for the Corrosion Protection of Aluminum Aerospace Alloys. Coatings, 2022, 12, 518.	2.6	30
5	Corrosion behavior of additively manufactured AISI 316L stainless steel under atmospheric conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 2022, 73, 1833-1843.	1.5	2
6	Potential influence of microorganisms on the corrosion of carbon steel in the French highâ€•and intermediateâ€level longâ€lived radioactive waste disposal context. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 218-234.	1.5	7
7	Mechanical and chemical coupling in tribocorrosion: In situ and ex situ characterization techniques. , 2021, , 29-66.		2
8	Realâ€time corrosion monitoring of aluminium alloys under chlorideâ€contaminated atmospheric conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 1377-1387.	1.5	16
9	Localized corrosion of (lean) duplex stainless steels in immersion units of urban wastewater treatment plants. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 1338-1349.	1.5	5
10	Spectroscopic imaging of the buried substrate / polymer interface upon exposure to corrosive environments. Vibrational Spectroscopy, 2021, 113, 103217.	2.2	0
11	Impedance analysis of the barrier effect of coil-coated materials: Water uptake and glass transition variations. Progress in Organic Coatings, 2021, 153, 106163.	3.9	12
12	Hydrogen effect on the passivation and crevice corrosion initiation of AISI 304L using Scanning Kelvin Probe. Corrosion Science, 2021, 182, 109225.	6.6	17
13	Localised corrosion of intermetallic particles on aluminium AA2099-T8. Corrosion Engineering Science and Technology, 2021, 56, 610-617.	1.4	5
14	Effect of Cathodic Polarisation Switch-Off on the Passivity and Stability to Crevice Corrosion of AISI 304L Stainless Steel. Materials, 2021, 14, 2921.	2.9	4
15	Monitoring of the Environmental Corrosivity in Museums by RFID Sensors: Application to Pollution Emitted by Archeological Woods. Sustainability, 2021, 13, 6158.	3.2	6
16	Localized corrosion of lean duplex stainless steels in H 2 Sâ€containing wet atmosphere from urban wastewater treatment units. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 1730.	1.5	0
17	Multiscale and Multi-Technical Approach to Characterize the Hot-Dip Galvanized Steel Surface and Its Consequence(s) on Paint Adhesion and Tendency to Blistering. Coatings, 2021, 11, 704.	2.6	4
18	Anodic degradation of Zn-Ni coatings in moderately alkaline NaCl solution. Materials Letters, 2021, 293, 129701.	2.6	8

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19	Microstructural aspects of Ti6Al4V degradation in H2O2-containing phosphate buffered saline. Corrosion Science, 2021, 190, 109640.	6.6	25
20	Towards understanding micro-galvanic activities in localised corrosion of AA2099 aluminium alloy. Electrochimica Acta, 2021, 392, 139005.	5.2	13
21	Corrosion of titanium under simulated inflammation conditions: clinical context and in vitro investigations. Acta Biomaterialia, 2021, 136, 72-87.	8.3	54
22	Reduction of potential ennoblement of stainless steel in natural seawater by an ecofriendly biopolymer. Journal of Environmental Chemical Engineering, 2020, 8, 103609.	6.7	5
23	Powder and High-Solid Coatings as Anticorrosive Solutions for Marine and Offshore Applications? A Review. Coatings, 2020, 10, 916.	2.6	22
24	Development of a RFID sensitive tag dedicated to the monitoring of the environmental corrosiveness for indoor applications. Sensors and Actuators B: Chemical, 2020, 322, 128602.	7.8	12
25	Zr-based conversion coating on Zn and Zn-Al-Mg alloy coating: Understanding the accelerating effect of Cu(II) and NO3â˜. Surface and Coatings Technology, 2020, 402, 126236.	4.8	17
26	Scanning Kelvin Probe Investigation of High-Strength Steel Surface after Impact of Hydrogen and Tensile Strain. Corrosion and Materials Degradation, 2020, 1, 187-197.	2.4	9
27	Cathodic Activity on Passive Materials in Deep Seawater. Corrosion, 2020, 76, 344-355.	1.1	7
28	Impedance Spectroscopy Analysis of Structural Defects in Sputtered ZnO Films. ChemElectroChem, 2020, 7, 2055-2064.	3.4	5
29	Corrosion of hotâ€dipâ€galvanised steel and zinc alloyâ€coated steel in ammonia and ammonium chloride. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 1118-1124.	1.5	2
30	Long-term atmospheric corrosion of Znâ€“5%Al-coated steel and HDG during outdoor worldwide exposures. Corrosion Engineering Science and Technology, 2020, 55, 520-530.	1.4	5
31	In-Situ Time-Lapse SKPFM Investigation of Sensitized AA5083 Aluminum Alloy to Understand Localized Corrosion. Journal of the Electrochemical Society, 2020, 167, 141502.	2.9	11
32	Application of Scanning Kelvin Probe in the Study of Protective Paints. Frontiers in Materials, 2019, 6, .	2.4	17
33	Influence of microstructure of zinc-aluminium-magnesium alloy coated steel on the corrosion behavior in outdoor marine atmosphere. Surface and Coatings Technology, 2019, 374, 897-909.	4.8	46
34	Oxygen Reduction Investigation on Sputtered ZnO Layers with Nanoâ€granular Structure. ChemElectroChem, 2019, 6, 5321-5330.	3.4	4
35	Influence of dissolved oxygen content on the bacteriaâ€induced ennoblement of stainless steels in seawater and its consequence on the localized corrosion risk. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 2238-2246.	1.5	4
36	Effect of Tensile Stress on the Passivity Breakdown and Repassivation of AISI 304ÂStainless Steel: A Scanning Kelvin Probe and Scanning Electrochemical Microscopy Study. Journal of the Electrochemical Society, 2019, 166, C3207-C3219.	2.9	28

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37	Longâ€term atmospheric corrosion rates of hot dip galvanised steel and zincâ€aluminiumâ€magnesium coated steel. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 2220-2227.	1.5	17
38	Electroactive Bacteria Associated With Stainless Steel Ennoblement in Seawater. Frontiers in Microbiology, 2019, 10, 170.	3.5	20
39	Temperature Dependence of the Passivation and Dissolution of Al, Zn, and Î±-Phase Zn-68Al. Corrosion, 2019, 75, 69-79.	1.1	5
40	Atmospheric corrosion of ZnAlMg coated steel during long term atmospheric weathering at different worldwide exposure sites. Corrosion Science, 2019, 148, 338-354.	6.6	49
41	Cathodic Corrosion of Zinc under Potentiostatic Conditions in NaCl Solutions. ChemElectroChem, 2018, 5, 1203-1211.	3.4	10
42	Monitoring uniform and localised corrosion by a radiofrequency sensing method. Sensors and Actuators B: Chemical, 2018, 257, 988-992.	7.8	19
43	Assessment of steel corrosion and deadhesion of epoxy barrier paint by scanning Kelvin probe. Progress in Organic Coatings, 2018, 114, 123-134.	3.9	30
44	A new accelerated corrosion test for marine paint systems used for ship's topsides and superstructures. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 447-459.	1.5	5
45	Scanning Kelvin Probe assessment of steel corrosion protection by marine paints containing Zn-rich primer. Progress in Organic Coatings, 2018, 125, 61-72.	3.9	23
46	Galvanic Series in Seawater as a Function of Temperature, Oxygen Content, and Chlorination. Corrosion, 2018, 74, 147-152.	1.1	8
47	Atmospheric Corrosion of Zinc and Zinc Alloyed Coated Steel. , 2018, , 55-78.		13
48	Atmospheric Corrosion of Zinc-Aluminum Alloyed Coated Steel in Depleted Carbon Dioxide Environments. Journal of the Electrochemical Society, 2018, 165, C343-C353.	2.9	13
49	Effect of Mechanical Stress on the Properties of Steel Surfaces: Scanning Kelvin Probe and Local Electrochemical Impedance Study. Journal of the Electrochemical Society, 2017, 164, C66-C74.	2.9	41
50	Microstructure and spatial distribution of corrosion products anodically grown on zinc in chloride solutions. Electrochemistry Communications, 2017, 81, 56-60.	4.7	22
51	Realâ€time monitoring of the degradation of metallic and organic coatings using electrical resistance sensors. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 1365-1376.	1.5	15
52	Comparing Modeled and Experimental Accelerated Corrosion Tests on Steel. Journal of the Electrochemical Society, 2017, 164, C554-C562.	2.9	22
53	Onset of Microbial Influenced Corrosion (MIC) in Stainless Steel Exposed to Mixed Species Biofilms from Equatorial Seawater. Journal of the Electrochemical Society, 2017, 164, C532-C538.	2.9	21
54	Corrosion and corrosion products of hot dipped galvanized steel during long term atmospheric exposure at different sites world-wide. Corrosion Science, 2017, 126, 152-165.	6.6	95

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55	Formation of Galvanic Cells and Localized Corrosion of Zinc and Zinc Alloys Under Atmospheric Conditions. Corrosion, 2017, 73, 77-86.	1.1	7
56	Role of steel and zinc coating thickness in cut edge corrosion of coil coated materials in atmospheric weathering conditions; Part 1: Laboratory study. Progress in Organic Coatings, 2016, 99, 356-364.	3.9	22
57	Combined corrosion and fatigue performance of joined materials for automotive applications. Materials and Corrosion - Werkstoffe Und Korrosion, 2016, 67, 1143-1151.	1.5	7
58	Improving corrosion stability of ZnAlMg by alloying for protection of car bodies. Surface and Coatings Technology, 2016, 306, 439-447.	4.8	43
59	Development of Wireless and Passive Corrosion Sensors for Material Degradation Monitoring in Coastal Zones and Immersed Environment. IEEE Journal of Oceanic Engineering, 2016, 41, 776-782.	3.8	34
60	Oxygen reduction at electrodeposited ZnO layers in alkaline solution. Electrochimica Acta, 2016, 218, 228-236.	5.2	13
61	Role of steel and zinc coating thickness in cut edge corrosion of coil coated materials in atmospheric weathering conditions; Part 2: Field data and model. Progress in Organic Coatings, 2016, 101, 45-50.	3.9	10
62	Fatigue behavior of spot-welded joints in air and under corrosive environments. Welding in the World, Le Soudage Dans Le Monde, 2016, 60, 1211-1229.	2.5	3
63	Fatigue behavior of spot-welded joints in air and under corrosive environments. Welding in the World, Le Soudage Dans Le Monde, 2016, 60, 1231-1245.	2.5	4
64	Scanning Kelvin Probe for detection of the hydrogen induced by atmospheric corrosion of ultra-high strength steel. Electrochimica Acta, 2016, 216, 130-139.	5.2	43
65	Effect of the microstructure of Zn-Al and Zn-Al-Mg model alloys on corrosion stability. Corrosion Science, 2016, 110, 71-81.	6.6	86
66	Fundamental basis of electromagnetic wave propagation in a zinc microstrip lines during its corrosion. Sensors and Actuators B: Chemical, 2016, 223, 352-358.	7.8	9
67	Influence of test parameters in an automotive cyclic test on the corrosion and mechanical performance of joined materials. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 1051-1059.	1.5	7
68	A new device for simultaneous corrosion fatigue testing of joined materials in accelerated corrosion tests. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 893-898.	1.5	6
69	Performance of marine and offshore paint systems: Correlation of accelerated corrosion tests and field exposure on operating ships. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 215-225.	1.5	25
70	In situ monitoring of corrosion mechanisms and phosphate inhibitor surface deposition during corrosion of zincâ€“magnesiumâ€“aluminium (ZMA) alloys using novel time-lapse microscopy. Faraday Discussions, 2015, 180, 361-379.	3.2	30
71	Microwave characterization of materials during corrosion: Application to wireless sensors. , 2015, , .		3
72	Crevice corrosion performance of high-alloy stainless steels and Ni-based alloy in desalination industry. Desalination and Water Treatment, 2015, 55, 2491-2501.	1.0	5

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73	Influence of Mechanical Stress on the Potential Distribution on a 301 LN Stainless Steel Surface. Journal of the Electrochemical Society, 2015, 162, C465-C472.	2.9	23
74	Electrochemical properties of corrosion products formed on Znâ€Mg, Znâ€Al and Znâ€Alâ€Mg coatings in model atmospheric conditions. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 777-782.	1.5	43
75	Coil-coated Znâ€“Mg and Znâ€“Alâ€“Mg: Effect of climatic parameters on the corrosion at cut edges. Progress in Organic Coatings, 2015, 83, 26-35.	3.9	32
76	Initial SO 2 -induced atmospheric corrosion of ZnAlMg coated steel studied with in situ Infrared Reflection Absorption Spectroscopy. Corrosion Science, 2015, 90, 276-283.	6.6	15
77	Corrosion of stainless steel components in seawater reverse osmosis desalination plantsâ€”investigations on adapted internal cathodic protection. Desalination and Water Treatment, 2015, 55, 2478-2490.	1.0	1
78	Corrosion potential and cathodic reduction efficiency of stainless steel in natural seawater. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 453-458.	1.5	11
79	Electrochemical and corrosion properties of ZnO/Zn electrode in atmospheric environments. Journal of Electroanalytical Chemistry, 2015, 737, 129-140.	3.8	34
80	Passive wireless sensor for atmospheric corrosion monitoring. , 2014, , .		2
81	Biofilm sensor for deep sea. , 2014, , .		3
82	Development of environmental sensors for monitoring of corrosion in marine offshore and wind energy industries. , 2014, , .		3
83	Application of automated corrosion sensors for monitoring the rate of corrosion during accelerated corrosion tests. Materials and Corrosion - Werkstoffe Und Korrosion, 2014, 65, 448-456.	1.5	37
84	Application of automated electrical resistance sensors for measurement of corrosion rate of copper, bronze and iron in model indoor atmospheres containing short-chain volatile carboxylic acids. Corrosion Science, 2014, 87, 376-382.	6.6	33
85	Characterization of corrosion products of Zn and Znâ€“Mgâ€“Al coated steel in a marine atmosphere. Corrosion Science, 2014, 87, 111-117.	6.6	81
86	Initial formation of corrosion products on pure zinc and MgZn2 examinated by XPS. Corrosion Science, 2014, 79, 83-88.	6.6	99
87	Low-Temperature Stress Corrosion Cracking of Austenitic and Duplex Stainless Steels Under Chloride Deposits. Corrosion, 2014, 70, 1052-1063.	1.1	44
88	Composition of corrosion products formed on Znâ€“Mg, Znâ€“Al and Znâ€“Alâ€“Mg coatings in model atmospheric conditions. Corrosion Science, 2014, 86, 231-238.	6.6	113
89	Real-time monitoring of indoor air corrosivity in cultural heritage institutions with metallic electrical resistance sensors. Studies in Conservation, 2013, 58, 117-128.	1.1	38
90	Effect of carbon dioxide on the atmospheric corrosion of Znâ€“Mgâ€“Al coated steel. Corrosion Science, 2013, 74, 379-386.	6.6	70

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91	In situ infrared reflection spectroscopy studies of the initial atmospheric corrosion of Znâ€“Alâ€“Mg coated steel. Corrosion Science, 2013, 72, 54-63.	6.6	90
92	Corrosion performance of Znâ€“Mgâ€“Al coated steel in accelerated corrosion tests used in the automotive industry and field exposures. Materials and Corrosion - Werkstoffe Und Korrosion, 2013, 64, 969-978.	1.5	69
93	Scanning Kelvin Probe Investigation of Corrosion Under Thick Marine Paint Systems Applied on Carbon Steel. Corrosion, 2012, 68, 720-729.	1.1	17
94	Evaluation of the tendency of coil-coated materials to blistering: Field exposure, accelerated tests and electrochemical measurements. Corrosion Science, 2012, 61, 92-100.	6.6	21
95	Filiform corrosion of electrocoated aluminium alloy: Role of surface pretreatment. Corrosion Science, 2012, 65, 187-198.	6.6	42
96	Chemistry of corrosion products of Zn and MgZn pure phases under atmospheric conditions. Corrosion Science, 2012, 65, 178-186.	6.6	79
97	Corrosion performance and mechanical properties of joined automotive materials. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 408-415.	1.5	41
98	Stability of ZnMgO oxide in a weak alkaline solution. Thin Solid Films, 2012, 520, 2819-2823.	1.8	20
99	SKP and FT-IR microscopy study of the paint corrosion de-adhesion from the surface of galvanized steel. Progress in Organic Coatings, 2012, 74, 356-364.	3.9	37
100	Corrosion product formation on Zn55Al coated steel upon exposure in a marine atmosphere. Corrosion Science, 2011, 53, 720-726.	6.6	48
101	Crevice corrosion of duplex stainless steels in natural and chlorinated seawater. Revue De Metallurgie, 2011, 108, 451-463.	0.3	9
102	An SKP and EIS investigation of amine adsorption on zinc oxide surfaces. Surface and Interface Analysis, 2011, 43, 1286-1298.	1.8	13
103	The role of stress and topcoat properties in blistering of coil-coated materials. Progress in Organic Coatings, 2010, 68, 328-333.	3.9	17
104	Corrosion performance of Znâ€“Alâ€“Mg coatings in open and confined zones in conditions simulating automotive applications. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 412-420.	1.5	73
105	Influence of climatic factors in cyclic accelerated corrosion test towards the development of a reliable and repeatable accelerated corrosion test for the automotive industry. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 845-851.	1.5	14
106	Influence of Electrochemical Conditions in a Defect on the Mode of Paint Corrosion Delamination from a Steel Surface. Corrosion, 2010, 66, 025004-025004-10.	1.1	16
107	Low-Temperature Stress Corrosion Cracking of Stainless Steels in the Atmosphere in the Presence of Chloride Deposits. Corrosion, 2009, 65, 105-117.	1.1	66
108	Influence of crosslinking density of a cataphoretic coating on initiation and propagation of filiform corrosion of AA6016. Progress in Organic Coatings, 2009, 66, 173-182.	3.9	18

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109	Mechanism of the corrosion exfoliation of a polymer coating from a carbon steel. Protection of Metals and Physical Chemistry of Surfaces, 2009, 45, 735-745.	1.1	10
110	Corrosion Products Formed on Confined Hot-Dip Galvanized Steel in Accelerated Cyclic Corrosion Tests. Corrosion, 2009, 65, 718-725.	1.1	12
111	Accelerated corrosion tests in the automotive industry: A comparison of the performance towards cosmetic corrosion. Materials and Corrosion - Werkstoffe Und Korrosion, 2008, 59, 889-894.	1.5	92
112	Application of EIS and SKP methods for the study of the zinc/polymer interface. Electrochimica Acta, 2008, 53, 7531-7538.	5.2	42
113	Leukemia inhibitory factor: Role in human mesenchymal stem cells mediated immunosuppression. Cellular Immunology, 2008, 253, 16-22.	3.0	156
114	Corrosion mechanism of model zincâ€“magnesium alloys in atmospheric conditions. Corrosion Science, 2008, 50, 2216-2231.	6.6	258
115	Real time corrosion monitoring in atmosphere using automated battery driven corrosion loggers. Corrosion Engineering Science and Technology, 2008, 43, 129-133.	1.4	26
116	Effect of Chloride-to-Chromate Ratio on the Protective Action of Zinc Surface Films under Atmospheric Weathering Conditions. Corrosion, 2007, 63, 258-267.	1.1	3
117	Human mesenchymal stem cells home specifically to radiation-injured tissues in a non-obese diabetes/severe combined immunodeficiency mouse model. British Journal of Radiology, 2007, 80, S49-S55.	2.2	145
118	Blistering on Painted Automotive Materials Induced by Galvanic Coupling with Rubber Material. Corrosion, 2007, 63, 635-639.	1.1	3
119	Immunosuppressive Effects of Mesenchymal Stem Cells: Involvement of HLA-G. Transplantation, 2007, 84, 231-237.	1.0	306
120	Corrosion product formation during NaCl induced atmospheric corrosion of magnesium alloy AZ91D. Corrosion Science, 2007, 49, 1540-1558.	6.6	213
121	Effect of cations on corrosion of zinc and carbon steel covered with chloride deposits under atmospheric conditions. Corrosion Science, 2007, 49, 2676-2693.	6.6	99
122	In situ studies of the corrosion during drying of confined zinc surfaces. Materials and Corrosion - Werkstoffe Und Korrosion, 2007, 58, 452-462.	1.5	14
123	Application of Volta potential mapping to determine metal surface defects. Electrochimica Acta, 2007, 52, 7689-7696.	5.2	70
124	Scanning Kelvin probe force microscopy and scanning Kelvin probe in investigation of effect of microstructure on corrosion behaviour of magnesium alloys. , 2007, , 111-125.		0
125	ThÃ©rapie cellulaire par cellules souches mÃ©senchymateuses dâ€™une atteinte multi-organes induite par une irradiation gammaÂ: un modÃ¨le expÃ©rimental. Radioprotection, 2007, 42, 351-367.	1.0	0
126	The influence of microstructure on the corrosion behaviour of AZ91D studied by scanning Kelvin probe force microscopy and scanning Kelvin probe. Corrosion Science, 2006, 48, 1193-1208.	6.6	200

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127	Identification of IL-10 and TGF-Î² Transcripts Involved in the Inhibition of T-Lymphocyte Proliferation During Cell Contact With Human Mesenchymal Stem Cells. Gene Expression, 2006, 13, 217-226.	1.2	205
128	Probing the atmospheric corrosion of metals. Zinc. Protection of Metals, 2006, 42, 437-451.	0.2	15
129	Comparison of autologous cell therapy and granulocyte-colony stimulating factor (G-CSF) injection vs. G-CSF injection alone for the treatment of acute radiation syndrome in a non-human primate model. International Journal of Radiation Oncology Biology Physics, 2005, 63, 911-920.	0.8	43
130	Hydrolysis of interfacial bonds in a metal/polymer electrical double layer. Protection of Metals, 2005, 41, 105-116.	0.2	7
131	Protective Action of Vanadate at Defected Areas of Organic Coatings on Zinc. Journal of the Electrochemical Society, 2005, 152, B220.	2.9	38
132	In Situ Studies of the Effect of CO[sub 2] on the Initial NaCl-Induced Atmospheric Corrosion of Copper. Journal of the Electrochemical Society, 2005, 152, B342.	2.9	65
133	Application of Autologous Hematopoietic Cell Therapy to a Nonhuman Primate Model of Heterogeneous High-Dose Irradiation. Radiation Research, 2005, 163, 557-570.	1.5	33
134	Localized Corrosion of Heat-Treated and Welded Stainless Steel Studied Using a Scanning Kelvin Probe. Corrosion, 2005, 61, 951-960.	1.1	19
135	In Situ Studies of the Initiation and Propagation of Filiform Corrosion on Aluminum. Journal of the Electrochemical Society, 2004, 151, B440.	2.9	12
136	Atmospheric Corrosion of Magnesium Alloys: Influence of Temperature, Relative Humidity, and Chloride Deposition. Corrosion, 2004, 60, 356-361.	1.1	60
137	A model for the release of chromate from organic coatings. Progress in Organic Coatings, 2004, 49, 209-217.	3.9	77
138	Probing of Atmospheric Corrosion of Metals: Carbon Steel. Protection of Metals, 2004, 40, 377-388.	0.2	6
139	Rate-determining reactions of atmospheric corrosion. Electrochimica Acta, 2004, 49, 2717-2724.	5.2	58
140	Scanning Kelvin probe study of metal/polymer interfaces. Electrochimica Acta, 2004, 49, 2955-2964.	5.2	72
141	Feasibility and limits of bone marrow mononuclear cell expansion following irradiation. International Journal of Radiation Biology, 2004, 80, 73-81.	1.8	15
142	Mobility and Mode of Inhibition of Chromate at Defected Areas of Organic Coatings Under Atmospheric Conditions. Corrosion, 2004, 60, 1122-1133.	1.1	17
143	Effect of Climatic Parameters on Filiform Corrosion of Coated Aluminum Alloys. Corrosion, 2004, 60, 584-593.	1.1	16
144	Studies in the Electrical Double Layer at Metal/Polymer Interfaces by Scanning Capacitive Probe. Protection of Metals, 2003, 39, 55-62.	0.2	21

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145	The Role of Chromate Conversion Coating in the Filiform Corrosion of Coated Aluminum Alloys. Journal of the Electrochemical Society, 2003, 150, B561.	2.9	9
146	Reinjection of Ex Vivoâ€“Expanded Primate Bone Marrow Mononuclear Cells Strongly Reduces Radiation-Induced Aplasia. Journal of Hematotherapy and Stem Cell Research, 2002, 11, 549-564.	1.8	20
147	Investigation of Filiform Corrosion on Coated Aluminum Alloys by FTIR Microspectroscopy and Scanning Kelvin Probe. Journal of the Electrochemical Society, 2002, 149, B403.	2.9	58
148	Study of the Carbon Steel/Alkyd Coating Interface with a Scanning Vibrating Capacitor Technique. Protection of Metals, 2001, 37, 108-119.	0.2	2
149	Formation of Corrosion Products on Open and Confined Metal Surfaces Exposed to Periodic Wet/Dry Conditionsâ€”A Comparison between Zinc and Electrogalvanized Steel. Corrosion, 2001, 57, 582-590.	1.1	38
150	Simultaneous In Situ Infrared Reflection Absorption Spectroscopy and Kelvin Probe Measurements during Atmospheric Corrosion. Electrochemical and Solid-State Letters, 2001, 4, B7.	2.2	18
151	In Situ Infrared Reflection Absorption Spectroscopy Studies of Confined Zinc Surfaces Exposed under Periodic Wet-Dry Conditions. Electrochemical and Solid-State Letters, 2001, 4, B19.	2.2	26
152	Perforation corrosion of automotive materials: comparison between laboratory and field exposures. Corrosion Engineering Science and Technology, 2000, 35, 195-203.	0.3	4
153	Formation of Corrosion Products on Open and Confined Zinc Surfaces Exposed to Periodic Wet/Dry Conditions. Corrosion, 2000, 56, 1256-1265.	1.1	58
154	Interpretation of AC surface current density by deconvolution of potential differences in solution. Corrosion Science, 2000, 42, 1149-1167.	6.6	4
155	Diffusion Effects in Localized Electrochemical Impedance Measurements by Probe Methods. Journal of the Electrochemical Society, 1999, 146, 2940-2947.	2.9	9
156	Application of localised electrochemical techniques to study kinetics of initiation and propagation during pit growth. Electrochimica Acta, 1999, 44, 4383-4393.	5.2	40
157	Application of Localized Electrochemical Impedance Spectroscopy to the Study of the Degradation of Organic Coatings. ACS Symposium Series, 1998, , 23-30.	0.5	0
158	Variation of oxide films on titanium induced by osteoblast-like cell culture and the influence of an H2O2 pretreatment. , 1998, 40, 244-256.		156
159	Analysis of Surface Carbon Contamination on Phosphated Zinc Surfaces by Scanning Kelvin Probe Measurements. Journal of the Electrochemical Society, 1998, 145, L39-L42.	2.9	19
160	Application of Scanning Vibrating Electrode Techniques to Study the Degradation of Coil-Coated Steel at Edges. Materials Science Forum, 1998, 289-292, 83-92.	0.3	28
161	Importance of Extracellular Polymeric Substances from Thiobacillus ferrooxidans for Bioleaching. Applied and Environmental Microbiology, 1998, 64, 2743-2747.	3.1	407
162	A Highâ€Resolution Probe for Localized Electrochemical Impedance Spectroscopy Measurements. Journal of the Electrochemical Society, 1997, 144, 1957-1965.	2.9	96

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163	Localized Electrochemical Impedance Spectroscopy for Studying Pitting Corrosion on Stainless Steels. Journal of the Electrochemical Society, 1997, 144, 1208-1215.	2.9	69
164	Corrosion resistance for biomaterial applications of TiO2 films deposited on titanium and stainless steel by ion-beam-assisted sputtering. , 1997, 35, 309-318.		136
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