

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
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202
all docs

202
docs citations

202
times ranked

5634
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical impedance spectroscopy study of the passive oxide film on titanium for implant application. <i>Electrochimica Acta</i> , 1996, 41, 1143-1153.	5.2	557
2	Importance of Extracellular Polymeric Substances from <i>Thiobacillus ferrooxidans</i> for Bioleaching. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2743-2747.	3.1	407
3	Immunosuppressive Effects of Mesenchymal Stem Cells: Involvement of HLA-G. <i>Transplantation</i> , 2007, 84, 231-237.	1.0	306
4	Corrosion mechanism of model zinc-magnesium alloys in atmospheric conditions. <i>Corrosion Science</i> , 2008, 50, 2216-2231.	6.6	258
5	Corrosion product formation during NaCl induced atmospheric corrosion of magnesium alloy AZ91D. <i>Corrosion Science</i> , 2007, 49, 1540-1558.	6.6	213
6	Identification of IL-10 and TGF- β 2 Transcripts Involved in the Inhibition of T-Lymphocyte Proliferation During Cell Contact With Human Mesenchymal Stem Cells. <i>Gene Expression</i> , 2006, 13, 217-226.	1.2	205
7	The influence of microstructure on the corrosion behaviour of AZ91D studied by scanning Kelvin probe force microscopy and scanning Kelvin probe. <i>Corrosion Science</i> , 2006, 48, 1193-1208.	6.6	200
8	Variation of oxide films on titanium induced by osteoblast-like cell culture and the influence of an H ₂ O ₂ pretreatment. , 1998, 40, 244-256.		156
9	Leukemia inhibitory factor: Role in human mesenchymal stem cells mediated immunosuppression. <i>Cellular Immunology</i> , 2008, 253, 16-22.	3.0	156
10	Electrochemical and XPS studies of titanium for biomaterial applications with respect to the effect of hydrogen peroxide. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 113-122.	3.1	147
11	Human mesenchymal stem cells home specifically to radiation-injured tissues in a non-obese diabetes/severe combined immunodeficiency mouse model. <i>British Journal of Radiology</i> , 2007, 80, S49-S55.	2.2	145
12	Hydrogen peroxide toward enhanced oxide growth on titanium in PBS solution: Blue coloration and clinical relevance. <i>Journal of Biomedical Materials Research Part B</i> , 1996, 30, 393-402.	3.1	143
13	Corrosion resistance for biomaterial applications of TiO ₂ films deposited on titanium and stainless steel by ion-beam-assisted sputtering. , 1997, 35, 309-318.		136
14	Composition of corrosion products formed on Zn-Mg, Zn-Al and Zn-Al-Mg coatings in model atmospheric conditions. <i>Corrosion Science</i> , 2014, 86, 231-238.	6.6	113
15	Effect of cations on corrosion of zinc and carbon steel covered with chloride deposits under atmospheric conditions. <i>Corrosion Science</i> , 2007, 49, 2676-2693.	6.6	99
16	Initial formation of corrosion products on pure zinc and MgZn ₂ examined by XPS. <i>Corrosion Science</i> , 2014, 79, 83-88.	6.6	99
17	A High-Resolution Probe for Localized Electrochemical Impedance Spectroscopy Measurements. <i>Journal of the Electrochemical Society</i> , 1997, 144, 1957-1965.	2.9	96
18	Corrosion and corrosion products of hot dipped galvanized steel during long term atmospheric exposure at different sites world-wide. <i>Corrosion Science</i> , 2017, 126, 152-165.	6.6	95

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19	In situ Raman Spectroscopy Combined with X-Ray Photoelectron Spectroscopy and Nuclear Microanalysis for Studies of Anodic Corrosion Film Formation on Fe-Cr Single Crystals. <i>Journal of the Electrochemical Society</i> , 1988, 135, 305-310.	2.9	94
20	Corrosion mechanisms of phosphated zinc layers on steel as substrates for automotive coatings. <i>Progress in Organic Coatings</i> , 1996, 28, 59-75.	3.9	93
21	Accelerated corrosion tests in the automotive industry: A comparison of the performance towards cosmetic corrosion. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2008, 59, 889-894.	1.5	92
22	Localized electrochemical impedance spectroscopy for studying the degradation of organic coatings. <i>Electrochimica Acta</i> , 1997, 42, 3293-3301.	5.2	90
23	In situ infrared reflection spectroscopy studies of the initial atmospheric corrosion of Zn-Al-Mg coated steel. <i>Corrosion Science</i> , 2013, 72, 54-63.	6.6	90
24	Effect of the microstructure of Zn-Al and Zn-Al-Mg model alloys on corrosion stability. <i>Corrosion Science</i> , 2016, 110, 71-81.	6.6	86
25	Simultaneous Raman Spectroscopy and Electrochemical Studies of Corrosion Inhibiting Molecules on Copper. <i>Journal of the Electrochemical Society</i> , 1985, 132, 1009-1014.	2.9	81
26	Raman spectroscopy and XPS investigations of anodic corrosion films formed on FeMo alloys in alkaline solutions. <i>Corrosion Science</i> , 1991, 32, 273-284.	6.6	81
27	Characterization of corrosion products of Zn and Zn-Mg-Al coated steel in a marine atmosphere. <i>Corrosion Science</i> , 2014, 87, 111-117.	6.6	81
28	Evaluation of anti-corrosive pigments by pigment extract studies, atmospheric exposure and electrochemical impedance spectroscopy. <i>Progress in Organic Coatings</i> , 1995, 25, 339-355.	3.9	80
29	Chemistry of corrosion products of Zn and MgZn pure phases under atmospheric conditions. <i>Corrosion Science</i> , 2012, 65, 178-186.	6.6	79
30	A model for the release of chromate from organic coatings. <i>Progress in Organic Coatings</i> , 2004, 49, 209-217.	3.9	77
31	Corrosion performance of Zn-Al-Mg coatings in open and confined zones in conditions simulating automotive applications. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 412-420.	1.5	73
32	Scanning Kelvin probe study of metal/polymer interfaces. <i>Electrochimica Acta</i> , 2004, 49, 2955-2964.	5.2	72
33	Application of Volta potential mapping to determine metal surface defects. <i>Electrochimica Acta</i> , 2007, 52, 7689-7696.	5.2	70
34	Effect of carbon dioxide on the atmospheric corrosion of Zn-Mg-Al coated steel. <i>Corrosion Science</i> , 2013, 74, 379-386.	6.6	70
35	Localized Electrochemical Impedance Spectroscopy for Studying Pitting Corrosion on Stainless Steels. <i>Journal of the Electrochemical Society</i> , 1997, 144, 1208-1215.	2.9	69
36	Corrosion performance of Zn-Mg-Al coated steel in accelerated corrosion tests used in the automotive industry and field exposures. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 969-978.	1.5	69

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37	Low-Temperature Stress Corrosion Cracking of Stainless Steels in the Atmosphere in the Presence of Chloride Deposits. <i>Corrosion</i> , 2009, 65, 105-117.	1.1	66
38	In Situ Studies of the Effect of CO ₂ on the Initial NaCl-Induced Atmospheric Corrosion of Copper. <i>Journal of the Electrochemical Society</i> , 2005, 152, B342.	2.9	65
39	Atmospheric Corrosion of Magnesium Alloys: Influence of Temperature, Relative Humidity, and Chloride Deposition. <i>Corrosion</i> , 2004, 60, 356-361.	1.1	60
40	Formation of Corrosion Products on Open and Confined Zinc Surfaces Exposed to Periodic Wet/Dry Conditions. <i>Corrosion</i> , 2000, 56, 1256-1265.	1.1	58
41	Investigation of Filiform Corrosion on Coated Aluminum Alloys by FTIR Microspectroscopy and Scanning Kelvin Probe. <i>Journal of the Electrochemical Society</i> , 2002, 149, B403.	2.9	58
42	Rate-determining reactions of atmospheric corrosion. <i>Electrochimica Acta</i> , 2004, 49, 2717-2724.	5.2	58
43	Corrosion Inhibition of Steel by Bacteria. <i>Corrosion</i> , 1994, 50, 603-608.	1.1	55
44	Corrosion of titanium under simulated inflammation conditions: clinical context and in vitro investigations. <i>Acta Biomaterialia</i> , 2021, 136, 72-87.	8.3	54
45	Measurements of Corrosion at Defects in Painted Zinc and Zinc Alloy Coated Steels Using Current Density Mapping. <i>Corrosion</i> , 1996, 52, 163-168.	1.1	49
46	Atmospheric corrosion of ZnAlMg coated steel during long term atmospheric weathering at different worldwide exposure sites. <i>Corrosion Science</i> , 2019, 148, 338-354.	6.6	49
47	Corrosion product formation on Zn55Al coated steel upon exposure in a marine atmosphere. <i>Corrosion Science</i> , 2011, 53, 720-726.	6.6	48
48	Influence of microstructure of zinc-aluminium-magnesium alloy coated steel on the corrosion behavior in outdoor marine atmosphere. <i>Surface and Coatings Technology</i> , 2019, 374, 897-909.	4.8	46
49	Low-Temperature Stress Corrosion Cracking of Austenitic and Duplex Stainless Steels Under Chloride Deposits. <i>Corrosion</i> , 2014, 70, 1052-1063.	1.1	44
50	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. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 63, 911-920.	0.8	43
51	Electrochemical properties of corrosion products formed on ZnMg, ZnAl and ZnAlMg coatings in model atmospheric conditions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 777-782.	1.5	43
52	Improving corrosion stability of ZnAlMg by alloying for protection of car bodies. <i>Surface and Coatings Technology</i> , 2016, 306, 439-447.	4.8	43
53	Scanning Kelvin Probe for detection of the hydrogen induced by atmospheric corrosion of ultra-high strength steel. <i>Electrochimica Acta</i> , 2016, 216, 130-139.	5.2	43
54	Application of EIS and SKP methods for the study of the zinc/polymer interface. <i>Electrochimica Acta</i> , 2008, 53, 7531-7538.	5.2	42

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55	Filiform corrosion of electrocoated aluminium alloy: Role of surface pretreatment. <i>Corrosion Science</i> , 2012, 65, 187-198.	6.6	42
56	Corrosion performance and mechanical properties of joined automotive materials. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 408-415.	1.5	41
57	Effect of Mechanical Stress on the Properties of Steel Surfaces: Scanning Kelvin Probe and Local Electrochemical Impedance Study. <i>Journal of the Electrochemical Society</i> , 2017, 164, C66-C74.	2.9	41
58	Application of localised electrochemical techniques to study kinetics of initiation and propagation during pit growth. <i>Electrochimica Acta</i> , 1999, 44, 4383-4393.	5.2	40
59	In Situ Determination of Corrosion Products Formed on Painted Galvanized Steel by Raman Spectroscopy. <i>Journal of the Electrochemical Society</i> , 1991, 138, 879-880.	2.9	39
60	Enhanced Raman Scattering of 1,2,4-Triazole and Imidazole Adsorbed on Microlithographically Prepared Copper Surfaces. <i>Journal of the Electrochemical Society</i> , 1986, 133, 2236-2239.	2.9	38
61	The influence of a thin electrolyte layer on the corrosion process of zinc in chloride-containing solutions. <i>Corrosion Science</i> , 1992, 33, 1243-1252.	6.6	38
62	Formation of Corrosion Products on Open and Confined Metal Surfaces Exposed to Periodic Wet/Dry Conditions—A Comparison between Zinc and Electrogalvanized Steel. <i>Corrosion</i> , 2001, 57, 582-590.	1.1	38
63	Protective Action of Vanadate at Defected Areas of Organic Coatings on Zinc. <i>Journal of the Electrochemical Society</i> , 2005, 152, B220.	2.9	38
64	Real-time monitoring of indoor air corrosivity in cultural heritage institutions with metallic electrical resistance sensors. <i>Studies in Conservation</i> , 2013, 58, 117-128.	1.1	38
65	SKP and FT-IR microscopy study of the paint corrosion de-adhesion from the surface of galvanized steel. <i>Progress in Organic Coatings</i> , 2012, 74, 356-364.	3.9	37
66	Application of automated corrosion sensors for monitoring the rate of corrosion during accelerated corrosion tests. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014, 65, 448-456.	1.5	37
67	Haematopoietic Growth Factors in the Treatment of Therapeutic and Accidental Irradiation-induced Bone Marrow Aplasia. <i>International Journal of Radiation Biology</i> , 1995, 67, 103-117.	1.8	35
68	Modelling of the passivation mechanism of Fe-Cr binary alloys from ac impedance and frequency resolved EIS . Behaviour of Fe-Cr alloys in 0.5 M H_2SO_4 with an addition of chloride. <i>Electrochimica Acta</i> , 1997, 42, 1595-1611.	5.2	35
69	Modelling of the passivation mechanism of Fe-Cr binary alloys from ac impedance and frequency resolved EIS . Behaviour of Fe-Cr alloys in 0.5M H_2SO_4 . <i>Electrochimica Acta</i> , 1996, 41, 1121-1135.	5.2	34
70	Electrochemical and corrosion properties of ZnO/Zn electrode in atmospheric environments. <i>Journal of Electroanalytical Chemistry</i> , 2015, 737, 129-140.	3.8	34
71	Development of Wireless and Passive Corrosion Sensors for Material Degradation Monitoring in Coastal Zones and Immersed Environment. <i>IEEE Journal of Oceanic Engineering</i> , 2016, 41, 776-782.	3.8	34
72	Application of Autologous Hematopoietic Cell Therapy to a Nonhuman Primate Model of Heterogeneous High-Dose Irradiation. <i>Radiation Research</i> , 2005, 163, 557-570.	1.5	33

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73	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. <i>Corrosion Science</i> , 2014, 87, 376-382.	6.6	33
74	Application of electrochemical impedance spectroscopy to study efficiency of anticorrosive pigments in epoxy-polyamide resin. <i>Corrosion Engineering Science and Technology</i> , 1995, 30, 128-134.	0.3	33
75	Coil-coated Zn-Mg and Zn-Al-Mg: Effect of climatic parameters on the corrosion at cut edges. <i>Progress in Organic Coatings</i> , 2015, 83, 26-35.	3.9	32
76	In situ monitoring of corrosion mechanisms and phosphate inhibitor surface deposition during corrosion of zinc-magnesium-aluminium (ZMA) alloys using novel time-lapse microscopy. <i>Faraday Discussions</i> , 2015, 180, 361-379.	3.2	30
77	Assessment of steel corrosion and deadhesion of epoxy barrier paint by scanning Kelvin probe. <i>Progress in Organic Coatings</i> , 2018, 114, 123-134.	3.9	30
78	Review of Cr-Free Coatings for the Corrosion Protection of Aluminum Aerospace Alloys. <i>Coatings</i> , 2022, 12, 518.	2.6	30
79	Application of Scanning Vibrating Electrode Techniques to Study the Degradation of Coil-Coated Steel at Edges. <i>Materials Science Forum</i> , 1998, 289-292, 83-92.	0.3	28
80	Effect of Tensile Stress on the Passivity Breakdown and Repassivation of AISI 304 Stainless Steel: A Scanning Kelvin Probe and Scanning Electrochemical Microscopy Study. <i>Journal of the Electrochemical Society</i> , 2019, 166, C3207-C3219.	2.9	28
81	Application of electrochemical impedance spectroscopy and rotating ring-disc measurements on Fe-Cr alloys. <i>Electrochimica Acta</i> , 1993, 38, 763-771.	5.2	26
82	In Situ Infrared Reflection Absorption Spectroscopy Studies of Confined Zinc Surfaces Exposed under Periodic Wet-Dry Conditions. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, B19.	2.2	26
83	Real time corrosion monitoring in atmosphere using automated battery driven corrosion loggers. <i>Corrosion Engineering Science and Technology</i> , 2008, 43, 129-133.	1.4	26
84	Performance of marine and offshore paint systems: Correlation of accelerated corrosion tests and field exposure on operating ships. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 215-225.	1.5	25
85	Microstructural aspects of Ti6Al4V degradation in H ₂ O ₂ -containing phosphate buffered saline. <i>Corrosion Science</i> , 2021, 190, 109640.	6.6	25
86	Influence of Mechanical Stress on the Potential Distribution on a 301 LN Stainless Steel Surface. <i>Journal of the Electrochemical Society</i> , 2015, 162, C465-C472.	2.9	23
87	Scanning Kelvin Probe assessment of steel corrosion protection by marine paints containing Zn-rich primer. <i>Progress in Organic Coatings</i> , 2018, 125, 61-72.	3.9	23
88	Role of steel and zinc coating thickness in cut edge corrosion of coil coated materials in atmospheric weathering conditions; Part 1: Laboratory study. <i>Progress in Organic Coatings</i> , 2016, 99, 356-364.	3.9	22
89	Microstructure and spatial distribution of corrosion products anodically grown on zinc in chloride solutions. <i>Electrochemistry Communications</i> , 2017, 81, 56-60.	4.7	22
90	Comparing Modeled and Experimental Accelerated Corrosion Tests on Steel. <i>Journal of the Electrochemical Society</i> , 2017, 164, C554-C562.	2.9	22

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91	Powder and High-Solid Coatings as Anticorrosive Solutions for Marine and Offshore Applications? A Review. <i>Coatings</i> , 2020, 10, 916.	2.6	22
92	Studies in the Electrical Double Layer at Metal/Polymer Interfaces by Scanning Capacitive Probe. <i>Protection of Metals</i> , 2003, 39, 55-62.	0.2	21
93	Evaluation of the tendency of coil-coated materials to blistering: Field exposure, accelerated tests and electrochemical measurements. <i>Corrosion Science</i> , 2012, 61, 92-100.	6.6	21
94	Onset of Microbial Influenced Corrosion (MIC) in Stainless Steel Exposed to Mixed Species Biofilms from Equatorial Seawater. <i>Journal of the Electrochemical Society</i> , 2017, 164, C532-C538.	2.9	21
95	Reinjection of Ex Vivo "Expanded Primate Bone Marrow Mononuclear Cells Strongly Reduces Radiation-Induced Aplasia. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2002, 11, 549-564.	1.8	20
96	Stability of ZnMgO oxide in a weak alkaline solution. <i>Thin Solid Films</i> , 2012, 520, 2819-2823.	1.8	20
97	Electroactive Bacteria Associated With Stainless Steel Ennoblement in Seawater. <i>Frontiers in Microbiology</i> , 2019, 10, 170.	3.5	20
98	Analysis of Surface Carbon Contamination on Phosphated Zinc Surfaces by Scanning Kelvin Probe Measurements. <i>Journal of the Electrochemical Society</i> , 1998, 145, L39-L42.	2.9	19
99	Localized Corrosion of Heat-Treated and Welded Stainless Steel Studied Using a Scanning Kelvin Probe. <i>Corrosion</i> , 2005, 61, 951-960.	1.1	19
100	Monitoring uniform and localised corrosion by a radiofrequency sensing method. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 988-992.	7.8	19
101	Simultaneous In Situ Infrared Reflection Absorption Spectroscopy and Kelvin Probe Measurements during Atmospheric Corrosion. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, B7.	2.2	18
102	Influence of crosslinking density of a cathoretic coating on initiation and propagation of filiform corrosion of AA6016. <i>Progress in Organic Coatings</i> , 2009, 66, 173-182.	3.9	18
103	Mobility and Mode of Inhibition of Chromate at Defected Areas of Organic Coatings Under Atmospheric Conditions. <i>Corrosion</i> , 2004, 60, 1122-1133.	1.1	17
104	The role of stress and topcoat properties in blistering of coil-coated materials. <i>Progress in Organic Coatings</i> , 2010, 68, 328-333.	3.9	17
105	Scanning Kelvin Probe Investigation of Corrosion Under Thick Marine Paint Systems Applied on Carbon Steel. <i>Corrosion</i> , 2012, 68, 720-729.	1.1	17
106	Application of Scanning Kelvin Probe in the Study of Protective Paints. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	17
107	Long-term atmospheric corrosion rates of hot dip galvanised steel and zinc-aluminium-magnesium coated steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2220-2227.	1.5	17
108	Zr-based conversion coating on Zn and Zn-Al-Mg alloy coating: Understanding the accelerating effect of Cu(II) and NO ₃ ⁻ . <i>Surface and Coatings Technology</i> , 2020, 402, 126236.	4.8	17

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109	Hydrogen effect on the passivation and crevice corrosion initiation of AISI 304L using Scanning Kelvin Probe. <i>Corrosion Science</i> , 2021, 182, 109225.	6.6	17
110	The influence of photoalteration on surface-enhanced Raman scattering from copper electrodes. <i>Surface Science</i> , 1985, 149, 592-600.	1.9	16
111	Effect of Climatic Parameters on Filiform Corrosion of Coated Aluminum Alloys. <i>Corrosion</i> , 2004, 60, 584-593.	1.1	16
112	Influence of Electrochemical Conditions in a Defect on the Mode of Paint Corrosion Delamination from a Steel Surface. <i>Corrosion</i> , 2010, 66, 025004-025004-10.	1.1	16
113	Real-time corrosion monitoring of aluminium alloys under chloride-contaminated atmospheric conditions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2021, 72, 1377-1387.	1.5	16
114	Feasibility and limits of bone marrow mononuclear cell expansion following irradiation. <i>International Journal of Radiation Biology</i> , 2004, 80, 73-81.	1.8	15
115	Probing the atmospheric corrosion of metals. <i>Zinc. Protection of Metals</i> , 2006, 42, 437-451.	0.2	15
116	Initial SO ₂ -induced atmospheric corrosion of ZnAlMg coated steel studied with in situ Infrared Reflection Absorption Spectroscopy. <i>Corrosion Science</i> , 2015, 90, 276-283.	6.6	15
117	Real-time monitoring of the degradation of metallic and organic coatings using electrical resistance sensors. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 1365-1376.	1.5	15
118	In situ studies of the corrosion during drying of confined zinc surfaces. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007, 58, 452-462.	1.5	14
119	Influence of climatic factors in cyclic accelerated corrosion test towards the development of a reliable and repeatable accelerated corrosion test for the automotive industry. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 845-851.	1.5	14
120	Human Blood Granulocyte Macrophage Progenitors (Gm-Cfu) During Extended Field Radiation Therapy. <i>Acta Radiologica Oncology</i> , 1985, 24, 521-526.	0.5	13
121	An SKP and EIS investigation of amine adsorption on zinc oxide surfaces. <i>Surface and Interface Analysis</i> , 2011, 43, 1286-1298.	1.8	13
122	Oxygen reduction at electrodeposited ZnO layers in alkaline solution. <i>Electrochimica Acta</i> , 2016, 218, 228-236.	5.2	13
123	Atmospheric Corrosion of Zinc and Zinc Alloyed Coated Steel. , 2018, , 55-78.		13
124	Atmospheric Corrosion of Zinc-Aluminum Alloyed Coated Steel in Depleted Carbon Dioxide Environments. <i>Journal of the Electrochemical Society</i> , 2018, 165, C343-C353.	2.9	13
125	Towards understanding micro-galvanic activities in localised corrosion of AA2099 aluminium alloy. <i>Electrochimica Acta</i> , 2021, 392, 139005.	5.2	13
126	In Situ Studies of the Initiation and Propagation of Filiform Corrosion on Aluminum. <i>Journal of the Electrochemical Society</i> , 2004, 151, B440.	2.9	12

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127	Corrosion Products Formed on Confined Hot-Dip Galvanized Steel in Accelerated Cyclic Corrosion Tests. <i>Corrosion</i> , 2009, 65, 718-725.	1.1	12
128	Development of a RFID sensitive tag dedicated to the monitoring of the environmental corrosiveness for indoor applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128602.	7.8	12
129	Impedance analysis of the barrier effect of coil-coated materials: Water uptake and glass transition variations. <i>Progress in Organic Coatings</i> , 2021, 153, 106163.	3.9	12
130	Corrosion potential and cathodic reduction efficiency of stainless steel in natural seawater. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 453-458.	1.5	11
131	In-Situ Time-Lapse SKPFM Investigation of Sensitized AA5083 Aluminum Alloy to Understand Localized Corrosion. <i>Journal of the Electrochemical Society</i> , 2020, 167, 141502.	2.9	11
132	Comparative evaluation of alkyd, bituminous, and epoxy paints on steel in chloride media by impedance spectroscopy. <i>Corrosion Engineering Science and Technology</i> , 1991, 26, 195-201.	0.3	10
133	Mechanism of the corrosion exfoliation of a polymer coating from a carbon steel. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009, 45, 735-745.	1.1	10
134	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. <i>Progress in Organic Coatings</i> , 2016, 101, 45-50.	3.9	10
135	Cathodic Corrosion of Zinc under Potentiostatic Conditions in NaCl Solutions. <i>ChemElectroChem</i> , 2018, 5, 1203-1211.	3.4	10
136	Ex situ scanning tunneling microscopy investigations of the modification of titanium surface due to corrosion processes. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994, 12, 1547.	1.6	9
137	Diffusion Effects in Localized Electrochemical Impedance Measurements by Probe Methods. <i>Journal of the Electrochemical Society</i> , 1999, 146, 2940-2947.	2.9	9
138	The Role of Chromate Conversion Coating in the Filiform Corrosion of Coated Aluminum Alloys. <i>Journal of the Electrochemical Society</i> , 2003, 150, B561.	2.9	9
139	Crevice corrosion of duplex stainless steels in natural and chlorinated seawater. <i>Revue De Metallurgie</i> , 2011, 108, 451-463.	0.3	9
140	Fundamental basis of electromagnetic wave propagation in a zinc microstrip lines during its corrosion. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 352-358.	7.8	9
141	Scanning Kelvin Probe Investigation of High-Strength Steel Surface after Impact of Hydrogen and Tensile Strain. <i>Corrosion and Materials Degradation</i> , 2020, 1, 187-197.	2.4	9
142	Hydrogen detection in high strength dual phase steel using scanning Kelvin probe technique and XPS analyses. <i>Corrosion Science</i> , 2022, 197, 110072.	6.6	9
143	Galvanic Series in Seawater as a Function of Temperature, Oxygen Content, and Chlorination. <i>Corrosion</i> , 2018, 74, 147-152.	1.1	8
144	Anodic degradation of Zn-Ni coatings in moderately alkaline NaCl solution. <i>Materials Letters</i> , 2021, 293, 129701.	2.6	8

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145	Hydrolysis of interfacial bonds in a metal/polymer electrical double layer. <i>Protection of Metals</i> , 2005, 41, 105-116.	0.2	7
146	Influence of test parameters in an automotive cyclic test on the corrosion and mechanical performance of joined materials. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 1051-1059.	1.5	7
147	Combined corrosion and fatigue performance of joined materials for automotive applications. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 1143-1151.	1.5	7
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