

M G Ferreira

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

322
papers

18,786
citations

76
h-index

126
g-index

339
ext. papers

20,522
ext. citations

5
avg, IF

6.75
L-index

#	Paper	IF	Citations
3 ²²	Influence of the Operating Conditions on the Release of Corrosion Inhibitors from Spray-Dried Carboxymethylcellulose Microspheres. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1800	2.6	0
3 ²¹	Ce-substituted Mg-Al layered double hydroxides to prolong the corrosion protection lifetime of aluminium alloys. <i>Applied Surface Science</i> , 2022 , 573, 151527	6.7	4
3 ²⁰	Nanostructured Black Nickel Coating as Replacement for Black Cr(VI) Finish. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3924	2.6	2
3 ¹⁹	Mechanism of LDH Direct Growth on Aluminum Alloy Surface: A Kinetic and Morphological Approach. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 11687-11701	3.8	4
3 ¹⁸	The Stability and Chloride Entrapping Capacity of ZnAl-NO ₂ LDH in High-Alkaline/Cementitious Environment. <i>Corrosion and Materials Degradation</i> , 2021 , 2, 78-99	2.6	1
3 ¹⁷	The effect of Cr content on the corrosion resistance of WC-Ni-Cr-Mo composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021 , 95, 105434	4.1	5
3 ¹⁶	Smart Protection of Carbon-Reinforced Composite Materials and CFRP-Metal Joints 2021 , 429-449		0
3 ¹⁵	Numerical and Experimental Analysis of Self-Protection in Reinforced Concrete due to Application of MgAl-NO ₂ Layered Double Hydroxides. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000398	3.5	5
3 ¹⁴	Use of ZnAl-Layered Double Hydroxide (LDH) to Extend the Service Life of Reinforced Concrete. <i>Materials</i> , 2020 , 13,	3.5	10
3 ¹³	Hexacyanoferrate-Intercalated Layered Double Hydroxides as Nanoadditives for the Detection of Early-Stage Corrosion of Steel: The Revival of Prussian blue. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2063-2073	2.3	4
3 ¹²	Microstructural characterization and corrosion resistance of WC-Ni-Cr-Mo composite □The effect of Mo. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 86, 105090	4.1	14
3 ¹¹	Chitosan Microspheres as Carriers for pH-Indicating Species in Corrosion Sensing. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 1900662	3.9	6
3 ¹⁰	A corrosion evaluation of mild carbon steel in reclaimed refinery stripped sour water. <i>Journal of Environmental Management</i> , 2020 , 272, 111080	7.9	1
3 ⁰⁹	In situ kinetics studies of Zn-Al LDH intercalation with corrosion related species. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 17574-17586	3.6	8
3 ⁰⁸	Corrosion behavior of AA2024-T6 and AA6065-T6 alloys in reline. <i>Electrochimica Acta</i> , 2020 , 357, 1368616.7		4
3 ⁰⁷	Layered double hydroxides (LDHs) as functional materials for the corrosion protection of aluminum alloys: A review. <i>Applied Materials Today</i> , 2020 , 21, 100857	6.6	26
3 ⁰⁶	Zn-Al LDH growth on AA2024 and zinc and their intercalation with chloride: Comparison of crystal structure and kinetics. <i>Applied Surface Science</i> , 2020 , 501, 144027	6.7	21

305	Benzotriazole encapsulation in spray-dried carboxymethylcellulose microspheres for active corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , 2020 , 138, 105329	4.8	13
304	Performance of commercial LDH traps for chloride ion in a commercial corrosion protection primer for petrochemical industry. <i>Corrosion Engineering Science and Technology</i> , 2020 , 55, 66-74	1.7	8
303	Layered Double Hydroxide Clusters as Precursors of Novel Multifunctional Layers: A Bottom-Up Approach. <i>Coatings</i> , 2019 , 9, 328	2.9	9
302	One-step synthesis and growth mechanism of nitrate intercalated ZnAl LDH conversion coatings on zinc. <i>Chemical Communications</i> , 2019 , 55, 6878-6881	5.8	21
301	Electrosynthesis of Ordered TiO ₂ Nanotubular Layers in Deep Eutectic Solvents and Their Properties. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H377-H386	3.9	2
300	Galvanically Stimulated Degradation of Carbon-Fiber Reinforced Polymer Composites: A Critical Review. <i>Materials</i> , 2019 , 12,	3.5	16
299	Enhanced Predictive Modelling of Steel Corrosion in Concrete in Submerged Zone Based on a Dynamic Activation Approach. <i>International Journal of Concrete Structures and Materials</i> , 2019 , 13,	2.8	9
298	Cast iron corrosion protection with chemically modified Mg Al layered double hydroxides synthesized using a novel approach. <i>Surface and Coatings Technology</i> , 2019 , 375, 158-163	4.4	10
297	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024. <i>Applied Surface Science</i> , 2019 , 494, 829-840	6.7	31
296	Sonication accelerated formation of Mg-Al-phosphate layered double hydroxide via sol-gel prepared mixed metal oxides. <i>Scientific Reports</i> , 2019 , 9, 10419	4.9	18
295	High-Power Ultrasonic Synthesis and Magnetic-Field-Assisted Arrangement of Nanosized Crystallites of Cobalt-Containing Layered Double Hydroxides. <i>ChemEngineering</i> , 2019 , 3, 62	2.6	2
294	Modification of carbon fibre reinforced polymer (CFRP) surface with sodium dodecyl sulphate for mitigation of cathodic activity. <i>Applied Surface Science</i> , 2019 , 478, 924-936	6.7	12
293	Corrosion Inhibition and Acceleration by Rare Earth Ions in Galvanic Couples. <i>Journal of the Electrochemical Society</i> , 2019 , 166, C642-C648	3.9	3
292	Evaporation of Electrolyte during SVET Measurements: The Scale of the Problem and the Solutions. <i>Electroanalysis</i> , 2019 , 31, 2290-2298	3	3
291	Corrosion behaviour of WC hardmetals with nickel-based binders. <i>Corrosion Science</i> , 2019 , 147, 384-393	6.8	32
290	Improving the functionality and performance of AA2024 corrosion sensing coatings with nanocontainers. <i>Chemical Engineering Journal</i> , 2018 , 341, 526-538	14.7	26
289	Sol-gel synthesis and characterization of hybrid inorganic-organic Tb(III)-terephthalate containing layered double hydroxides. <i>Optical Materials</i> , 2018 , 80, 186-196	3.3	16
288	Role of intermetallics in corrosion of aluminum alloys. <i>Smart corrosion protection</i> 2018 , 425-462		18

287	Smart coating based on double stimuli-responsive microcapsules containing linseed oil and benzotriazole for active corrosion protection. <i>Corrosion Science</i> , 2018 , 130, 56-63	6.8	99
286	Bi-substituted Mg ₃ Al ₂ (OH) ₆ layered double hydroxides. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 85, 221-230	2.3	10
285	Corrosion and Corrosion Protection of Aluminum Alloys 2018 , 115-127		4
284	A novel bilayer system comprising LDH conversion layer and sol-gel coating for active corrosion protection of AA2024. <i>Corrosion Science</i> , 2018 , 143, 299-313	6.8	49
283	Sol-Gel Derived Lanthanide-Substituted Layered Double Hydroxides Mg ₃ /Al _{1-x} Ln _x . <i>Acta Physica Polonica A</i> , 2018 , 133, 884-886	0.6	3
282	Sol-Gel Coatings with Nanocontainers of Corrosion Inhibitors for Active Corrosion Protection of Metallic Materials 2018 , 2435-2471		1
281	WC-stainless steel hardmetals. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 72, 21-26	4.1	19
280	The Influence of PSA Pre-Anodization of AA2024 on PEO Coating Formation: Composition, Microstructure, Corrosion, and Wear Behaviors. <i>Materials</i> , 2018 , 11,	3.5	4
279	Encapsulation of Al and Ti-Al alloy 1-D nanorods into oxide matrix by powerful pulsed discharge method. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 3913-3920	2.6	
278	PEO Coatings with Active Protection Based on In-Situ Formed LDH-Nanocontainers. <i>Journal of the Electrochemical Society</i> , 2017 , 164, C36-C45	3.9	50
277	Effect of the Anodic Titania Layer Thickness on Electrodeposition of Zinc on Ti/TiO ₂ from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D88-D94	3.9	5
276	Antimicrobial activity of 2-mercaptobenzothiazole released from environmentally friendly nanostructured layered double hydroxides. <i>Journal of Applied Microbiology</i> , 2017 , 122, 1207-1218	4.7	14
275	Active protective PEO coatings on AA2024: Role of voltage on in-situ LDH growth. <i>Materials and Design</i> , 2017 , 120, 36-46	8.1	71
274	Corrosion inhibition of copper in aqueous chloride solution by 1H-1,2,3-triazole and 1,2,4-triazole and their combinations: electrochemical, Raman and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6113-6129	3.6	44
273	Effects of a novel anticorrosion engineered nanomaterial on the bivalve <i>Ruditapes philippinarum</i> . <i>Environmental Science: Nano</i> , 2017 , 4, 1064-1076	7.1	14
272	Modification of Porous Titania Templates for Uniform Metal Electrodeposition from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D335-D341	3.9	3
271	Characterization and corrosion behavior of binary Mg-Ga alloys. <i>Materials Characterization</i> , 2017 , 128, 85-99	3.9	32
270	A comparative study of co-precipitation and sol-gel synthetic approaches to fabricate cerium-substituted MgAl layered double hydroxides with luminescence properties. <i>Applied Clay Science</i> , 2017 , 143, 175-183	5.2	44

269	Kelvin Microprobe Analytics on Iron-Enriched Corroded Magnesium Surface. <i>Corrosion</i> , 2017 , 73, 583-595	1.8	11
268	How Density Functional Theory Surface Energies May Explain the Morphology of Particles, Nanosheets, and Conversion Films Based on Layered Double Hydroxides. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2211-2220	3.8	24
267	Magnetic phenomena in Co-containing layered double hydroxides. <i>Low Temperature Physics</i> , 2017 , 43, 977-981	0.7	6
266	Corrosion Mechanism Suggested Based on Electrochemical Analysis and SVET for Uncoated Tinplate and Post Coated With a Hybrid Film. <i>Materials Research</i> , 2017 , 20, 1735-1747	1.5	0
265	Spectral sensitization of TiO ₂ with electrodeposited PbSe: improvement of photocurrent stability and light conversion efficiency. <i>Electrochimica Acta</i> , 2017 , 249, 369-376	6.7	6
264	Gold nanorods induce early embryonic developmental delay and lethality in zebrafish (<i>Danio rerio</i>). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 672-687	3.2	16
263	Light-Induced Proton Pumping with a Semiconductor: Vision for Photoproton Lateral Separation and Robust Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24282-24289	9.5	20
262	Review On the Application of the Scanning Vibrating Electrode Technique (SVET) to Corrosion Research. <i>Journal of the Electrochemical Society</i> , 2017 , 164, C973-C990	3.9	60
261	Sol-Gel Coatings with Nanocontainers of Corrosion Inhibitors for Active Corrosion Protection of Metallic Materials 2017 , 1-37		3
260	Corrosion protection of AA2024 by sol-gel coatings modified with MBT-loaded polyurea microcapsules. <i>Chemical Engineering Journal</i> , 2016 , 283, 1108-1117	14.7	87
259	Initial stages of localized corrosion at cut-edges of adhesively bonded Zn and Zn-Al-Mg galvanized steel. <i>Electrochimica Acta</i> , 2016 , 211, 126-141	6.7	24
258	Active corrosion protection coating for a ZE41 magnesium alloy created by combining PEO and sol-gel techniques. <i>RSC Advances</i> , 2016 , 6, 12553-12560	3.7	64
257	High-density antimicrobial peptide coating with broad activity and low cytotoxicity against human cells. <i>Acta Biomaterialia</i> , 2016 , 33, 64-77	10.8	76
256	Preliminary research on the use of SVET in non-aqueous media. <i>Electrochimica Acta</i> , 2016 , 202, 310-315	6.7	3
255	Control of crystallite and particle size in the synthesis of layered double hydroxides: Macromolecular insights and a complementary modeling tool. <i>Journal of Colloid and Interface Science</i> , 2016 , 468, 86-94	9.3	51
254	Interlayer intercalation and arrangement of 2-mercaptobenzothiazolate and 1,2,3-benzotriazololate anions in layered double hydroxides: In situ X-ray diffraction study. <i>Journal of Solid State Chemistry</i> , 2016 , 233, 158-165	3.3	70
253	Ammonium molybdate added in hybrid films applied on tinplate: Effect of the concentration in the corrosion inhibition action. <i>Thin Solid Films</i> , 2016 , 600, 146-156	2.2	13
252	Sealing of tartaric sulfuric (TSA) anodized AA2024 with nanostructured LDH layers. <i>RSC Advances</i> , 2016 , 6, 13942-13952	3.7	61

251	Sol-Gel Coatings with Nanocontainers of Corrosion Inhibitors for Active Corrosion Protection of Metallic Materials 2016 , 1-37		
250	Investigating the separation of anodic and cathodic defects in organic coatings applied on metal substrates. An experimental contribution. <i>Progress in Organic Coatings</i> , 2016 , 96, 26-31	4.8	10
249	Corrosion protection of AA2024-T3 by LDH conversion films. Analysis of SVET results. <i>Electrochimica Acta</i> , 2016 , 210, 215-224	6.7	67
248	A computational UV-Vis spectroscopic study of the chemical speciation of 2-mercaptobenzothiazole corrosion inhibitor in aqueous solution. <i>Theoretical Chemistry Accounts</i> , 2016 , 135, 1	1.9	14
247	Aluminum Anodization in Deionized Water as Electrolyte. <i>Journal of the Electrochemical Society</i> , 2016 , 163, C364-C368	3.9	7
246	Influence of stripping and cooling atmospheres on surface properties and corrosion of zinc galvanizing coatings. <i>Applied Surface Science</i> , 2016 , 389, 144-156	6.7	19
245	Electrochemical deposition of zinc from deep eutectic solvent on barrier alumina layers. <i>Electrochimica Acta</i> , 2015 , 170, 284-291	6.7	27
244	Polyelectrolyte-modified layered double hydroxide nanocontainers as vehicles for combined inhibitors. <i>RSC Advances</i> , 2015 , 5, 39916-39929	3.7	64
243	Chitosan as a smart coating for corrosion protection of aluminum alloy 2024: A review. <i>Progress in Organic Coatings</i> , 2015 , 89, 348-356	4.8	59
242	Corrosion behaviour of WC-10% AISI 304 cemented carbides. <i>Corrosion Science</i> , 2015 , 100, 322-331	6.8	34
241	Antisymmetric exchange in La-substituted BiFe _{0.5} Sc _{0.5} O ₃ system: symmetry adapted distortion modes approach. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2015 , 230, 767-774	1	15
240	Fault-tolerant hybrid epoxy-silane coating for corrosion protection of magnesium alloy AZ31. <i>Progress in Organic Coatings</i> , 2015 , 80, 98-105	4.8	57
239	Influence of GFRP Confinement of Reinforced Concrete Columns on the Corrosion of Reinforcing Steel in a Salt Water Environment. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014107	3	8
238	Magnetic structure of an incommensurate phase of La-doped BiFe _{0.5} Sc _{0.5} O ₃ : Role of antisymmetric exchange interactions. <i>Physical Review B</i> , 2015 , 92,	3.3	12
237	A novel approach for immobilization of polyhexamethylene biguanide within silica capsules. <i>RSC Advances</i> , 2015 , 5, 92656-92663	3.7	11
236	The influence of vibration and probe movement on SVET measurements. <i>Corrosion Science</i> , 2015 , 92, 309-314	6.8	15
235	Incorporation of biocides in nanocapsules for protective coatings used in maritime applications. <i>Chemical Engineering Journal</i> , 2015 , 270, 150-157	14.7	51
234	High-pressure zinc oxysulphide phases in the ZnO _{1-x} S system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 791-795	1.6	2

233	Cerium cinnamate as an environmentally benign inhibitor pigment for epoxy coatings on AA 2024-T3. <i>Progress in Organic Coatings</i> , 2014 , 77, 765-773	4.8	42
232	Active self-healing coating for galvanically coupled multi-material assemblies. <i>Electrochemistry Communications</i> , 2014 , 41, 51-54	5.1	57
231	High-pressure induced phase formation in the CuGaS ₂ /CuGaO ₂ chalcopyrite/delafossite system. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 1192-1196	1.3	2
230	Polar and antipolar polymorphs of metastable perovskite BiFe _{0.5} Sc _{0.5} O ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	42
229	Influence of preparation conditions of Layered Double Hydroxide conversion films on corrosion protection. <i>Electrochimica Acta</i> , 2014 , 117, 164-171	6.7	106
228	Novel diamond microelectrode for pH sensing. <i>Electrochemistry Communications</i> , 2014 , 40, 31-34	5.1	16
227	Active sensing coating for early detection of corrosion processes. <i>RSC Advances</i> , 2014 , 4, 17780	3.7	46
226	Smart self-healing coatings for corrosion protection of aluminium alloys 2014 , 224-274		6
225	Photodegradation of 2-mercaptobenzothiazole and 1,2,3-benzotriazole corrosion inhibitors in aqueous solutions and organic solvents. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25152-60	3.6	30
224	Novel and self-healing anticorrosion coatings using rare earth compounds 2014 , 233-266		4
223	Titania Films Obtained by Powerful Pulsed Discharge Oxidation in Phosphoric Acid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2014 , 161, D73-D78	3.9	6
222	New fluorinated diamond microelectrodes for localized detection of dissolved oxygen. <i>Sensors and Actuators B: Chemical</i> , 2014 , 204, 544-551	8.5	15
221	Influence of pH on the Corrosion Protection of Epoxy-Silica-Zirconia Sol-Gel Coatings Applied on EN AW-6063 Aluminium Alloy. <i>ECS Transactions</i> , 2014 , 58, 9-16	1	5
220	Influence of the Solution Ionic Mobility on the Impedance Response of Organic Coatings. <i>ECS Electrochemistry Letters</i> , 2014 , 4, C11-C14		4
219	Synergistic Protection against Corrosion of AA2024-T3 by Sol-Gel Coating Modified with La and Mo-Enriched Zeolites. <i>Journal of the Electrochemical Society</i> , 2014 , 161, C215-C222	3.9	28
218	Electrodeposition of Zinc Nanorods from Ionic Liquid into Porous Anodic Alumina. <i>ChemElectroChem</i> , 2014 , 1, 1484-1487	4.3	5
217	Influence of sol-gel process parameters on the protection properties of sol-gel coatings applied on AA2024. <i>Surface and Coatings Technology</i> , 2014 , 246, 6-16	4.4	38
216	Active Corrosion Protection by Nanoparticles and Conversion Films of Layered Double Hydroxides. <i>Corrosion</i> , 2014 , 70, 436-445	1.8	19

215	Plasma anodized ZE41 magnesium alloy sealed with hybrid epoxy-silane coating. <i>Corrosion Science</i> , 2013 , 73, 300-308	6.8	67
214	Highlights during the development of electrochemical engineering. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 1998-2020	5.5	83
213	Characterization and performance evaluation of PtRu electrocatalysts supported on different carbon materials for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 910-920	6.7	40
212	Effect of Surface Treatment on the Performance of LDH Conversion Films. <i>ECS Electrochemistry Letters</i> , 2013 , 3, C4-C8		16
211	Thermal Behavior of Layered Double Hydroxide ZnAlPyrovanadate: Composition, Structure Transformations, and Recovering Ability. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4152-4157	3.8	24
210	Nanocontainer-based corrosion sensing coating. <i>Nanotechnology</i> , 2013 , 24, 415502	3.4	54
209	Active corrosion protection of AA2024 by sol-gel coatings with cerium molybdate nanowires. <i>Electrochimica Acta</i> , 2013 , 112, 236-246	6.7	63
208	The role of Ce(III)-enriched zeolites on the corrosion protection of AA2024-T3. <i>Electrochimica Acta</i> , 2013 , 112, 549-556	6.7	47
207	Carbonate-Free Zn-Al (1:1) Layered Double Hydroxide Film Directly Grown on Zinc-Aluminum Alloy Coating. <i>ECS Electrochemistry Letters</i> , 2013 , 3, C9-C11		18
206	Hybrid epoxy-silane coatings for improved corrosion protection of Mg alloy. <i>Corrosion Science</i> , 2013 , 67, 82-90	6.8	134
205	Effects of mechanical forming on the corrosion of electrogalvanised steel. <i>Corrosion Science</i> , 2013 , 69, 87-96	6.8	17
204	Mechanisms of Localized Corrosion Inhibition of AA2024 by Cerium Molybdate Nanowires. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5811-5823	3.8	27
203	Functionalized chitosan-based coatings for active corrosion protection. <i>Surface and Coatings Technology</i> , 2013 , 226, 51-59	4.4	46
202	Chitosan as a Smart Coating for Controlled Release of Corrosion Inhibitor 2-Mercaptobenzothiazole. <i>ECS Electrochemistry Letters</i> , 2013 , 2, C19-C22		51
201	EIS Study of Amine Cured Epoxy-silica-zirconia Sol-gel Coatings for Corrosion Protection of the Aluminium Alloy EN AW 6063. <i>Portugaliae Electrochimica Acta</i> , 2013 , 31, 307-319	2.4	33
200	Synergistic corrosion inhibition on galvanically coupled metallic materials. <i>Electrochemistry Communications</i> , 2012 , 20, 101-104	5.1	61
199	Evaluation of self-healing ability in protective coatings modified with combinations of layered double hydroxides and cerium molybdate nanocontainers filled with corrosion inhibitors. <i>Electrochimica Acta</i> , 2012 , 60, 31-40	6.7	222
198	Cut-edge corrosion study on painted aluminum rich metallic coated steel by scanning vibrating electrode and micro-potentiometric techniques. <i>Electrochimica Acta</i> , 2012 , 61, 107-117	6.7	52

197	Impedance behaviour of anodic TiO ₂ films prepared by galvanostatic anodisation and powerful pulsed discharge in electrolyte. <i>Electrochimica Acta</i> , 2012 , 76, 453-461	6.7	20
196	Boron doped nanocrystalline diamond microelectrodes for the detection of Zn ²⁺ and dissolved O ₂ . <i>Electrochimica Acta</i> , 2012 , 76, 487-494	6.7	18
195	Sensing polymer inhomogeneity in coated metals during the early stages of coating degradation. <i>Progress in Organic Coatings</i> , 2012 , 74, 365-370	4.8	8
194	Chitosan-based self-healing protective coatings doped with cerium nitrate for corrosion protection of aluminum alloy 2024. <i>Progress in Organic Coatings</i> , 2012 , 75, 8-13	4.8	105
193	Silica nanocontainers for active corrosion protection. <i>Nanoscale</i> , 2012 , 4, 1287-98	7.7	170
192	Electrochemical and analytical investigation of passive films formed on stainless steels in alkaline media. <i>Cement and Concrete Composites</i> , 2012 , 34, 1075-1081	8.6	97
191	ZnAl layered double hydroxides as chloride nanotraps in active protective coatings. <i>Corrosion Science</i> , 2012 , 55, 1-4	6.8	201
190	Cerium molybdate nanowires for active corrosion protection of aluminium alloys. <i>Corrosion Science</i> , 2012 , 58, 41-51	6.8	39
189	Sol-gel coatings modified with zeolite fillers for active corrosion protection of AA2024. <i>Corrosion Science</i> , 2012 , 62, 153-162	6.8	144
188	Smart coatings for active corrosion protection based on multi-functional micro and nanocontainers. <i>Electrochimica Acta</i> , 2012 , 82, 314-323	6.7	281
187	Comparative X-ray diffraction and infrared spectroscopy study of ZnAl layered double hydroxides: Vanadate vs nitrate. <i>Chemical Physics</i> , 2012 , 397, 102-108	2.3	45
186	Effect of Inorganic Content on the Performance of Anticorrosive Hybrid Sol-Gel Coated EN AW-6063 Alloy. <i>Materials Science Forum</i> , 2012 , 730-732, 745-750	0.4	
185	Nanostructured LDH-container layer with active protection functionality. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15464		144
184	Self-healing protective coatings with green chitosan based pre-layer reservoir of corrosion inhibitor. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4805		119
183	The uneven corrosion of deep drawn coil-coatings investigated by EIS. <i>Electrochimica Acta</i> , 2011 , 56, 7825-7832	6.7	9
182	PtBu nanoparticles supported on functionalized carbon as electrocatalysts for the methanol oxidation. <i>Electrochimica Acta</i> , 2011 , 56, 8509-8518	6.7	21
181	Anodic Alumina Films Prepared by Powerful Pulsed Discharge Oxidation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18634-18639	3.8	6
180	The combined use of scanning vibrating electrode technique and micro-potentiometry to assess the self-repair processes in defects on smart coatings applied to galvanized steel. <i>Electrochimica Acta</i> , 2011 , 56, 4475-4488	6.7	91

179	Quasi-simultaneous measurements of ionic currents by vibrating probe and pH distribution by ion-selective microelectrode. <i>Electrochemistry Communications</i> , 2011 , 13, 20-23	5.1	51
178	The corrosion behaviour of rare-earth containing magnesium alloys in borate buffer solution. <i>Electrochimica Acta</i> , 2011 , 56, 1535-1545	6.7	54
177	The electrochemical behaviour of stainless steel AISI 304 in alkaline solutions with different pH in the presence of chlorides. <i>Electrochimica Acta</i> , 2011 , 56, 5280-5289	6.7	134
176	Effect of functionalized carbon as Pt electrocatalyst support on the methanol oxidation reaction. <i>Applied Catalysis B: Environmental</i> , 2011 , 102, 496-504	21.8	44
175	Enhancement of active corrosion protection via combination of inhibitor-loaded nanocontainers. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1528-35	9.5	266
174	Volta Potential of Oxidized Aluminum Studied by Scanning Kelvin Probe Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8474-8484	3.8	25
173	Hydroxyapatite microparticles as feedback-active reservoirs of corrosion inhibitors. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3011-22	9.5	162
172	Active protection coatings with layered double hydroxide nanocontainers of corrosion inhibitor. <i>Corrosion Science</i> , 2010 , 52, 602-611	6.8	394
171	Influence of incorporated Mo and Nb on the Mott-Schottky behaviour of anodic films formed on AISI 304L. <i>Corrosion Science</i> , 2010 , 52, 2813-2818	6.8	107
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