

# Mf Montemor

## List of Publications by Citations

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251  
papers

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13,747  
ext. citations

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#	Paper	IF	Citations
251	Functional and smart coatings for corrosion protection: A review of recent advances. <i>Surface and Coatings Technology</i> , <b>2014</b> , 258, 17-37	4.4	634
250	Nanostructured sol-gel coatings doped with cerium nitrate as pre-treatments for AA2024-T3. <i>Electrochimica Acta</i> , <b>2005</b> , 51, 208-217	6.7	439
249	Chloride-induced corrosion on reinforcing steel: from the fundamentals to the monitoring techniques. <i>Cement and Concrete Composites</i> , <b>2003</b> , 25, 491-502	8.6	310
248	High effective organic corrosion inhibitors for 2024 aluminium alloy. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 7231-7247	6.7	247
247	Corrosion protective properties of nanostructured sol-gel hybrid coatings to AA2024-T3. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 3084-3094	4.4	230
246	Capacitance behaviour of passive films on ferritic and austenitic stainless steel. <i>Corrosion Science</i> , <b>2005</b> , 47, 581-591	6.8	226
245	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> , <b>2012</b> , 60, 31-40	6.7	222
244	Novel hybrid sol-gel coatings for corrosion protection of AZ31B magnesium alloy. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4773-4783	6.7	214
243	ZnAl layered double hydroxides as chloride nanotraps in active protective coatings. <i>Corrosion Science</i> , <b>2012</b> , 55, 1-4	6.8	201
242	Chemical composition and corrosion protection of silane films modified with CeO <sub>2</sub> nanoparticles. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 5179-5189	6.7	201
241	Silanes and rare earth salts as chromate replacers for pre-treatments on galvanised steel. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 2927-2935	6.7	195
240	Electrochemical assessment of the self-healing properties of Ce-doped silane solutions for the pre-treatment of galvanised steel substrates. <i>Progress in Organic Coatings</i> , <b>2005</b> , 54, 276-284	4.8	195
239	Electrochemical study of modified bis-[triethoxysilylpropyl] tetrasulfide silane films applied on the AZ31 Mg alloy. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 7486-7495	6.7	181
238	Characterization of rare-earth conversion films formed on the AZ31 magnesium alloy and its relation with corrosion protection. <i>Applied Surface Science</i> , <b>2007</b> , 253, 6922-6931	6.7	170
237	Semiconducting properties of thermally grown oxide films on AISI 304 stainless steel. <i>Corrosion Science</i> , <b>2000</b> , 42, 687-702	6.8	168
236	The passive behaviour of AISI 316 in alkaline media and the effect of pH: A combined electrochemical and analytical study. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 6174-6181	6.7	167
235	Oxide nanoparticle reservoirs for storage and prolonged release of the corrosion inhibitors. <i>Electrochemistry Communications</i> , <b>2005</b> , 7, 836-840	5.1	163

234	Hydroxyapatite microparticles as feedback-active reservoirs of corrosion inhibitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3011-22	9.5	162
233	Chemical composition and electronic structure of the oxide films formed on 316L stainless steel and nickel based alloys in high temperature aqueous environments. <i>Corrosion Science</i> , <b>2000</b> , 42, 1635-1650	6.8	162
232	Metal Oxide and Hydroxide-Based Aqueous Supercapacitors: From Charge Storage Mechanisms and Functional Electrode Engineering to Need-Tailored Devices. <i>Advanced Science</i> , <b>2019</b> , 6, 1801797	13.6	160
231	SMART protective ability of water based epoxy coatings loaded with CaCO <sub>3</sub> microbeads impregnated with corrosion inhibitors applied on AA2024 substrates. <i>Electrochimica Acta</i> , <b>2012</b> , 83, 439-447	6.7	151
230	The use of pre-treatments based on doped silane solutions for improved corrosion resistance of galvanised steel substrates. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 4240-4250	4.4	136
229	Hybrid epoxy-silane coatings for improved corrosion protection of Mg alloy. <i>Corrosion Science</i> , <b>2013</b> , 67, 82-90	6.8	134
228	The electrochemical behaviour of stainless steel AISI 304 in alkaline solutions with different pH in the presence of chlorides. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 5280-5289	6.7	134
227	Cerium salt activated nanoparticles as fillers for silane films: Evaluation of the corrosion inhibition performance on galvanised steel substrates. <i>Electrochimica Acta</i> , <b>2007</b> , 52, 6976-6987	6.7	126
226	The corrosion resistance of hot dip galvanised steel and AA2024-T3 pre-treated with bis-[triethoxysilylpropyl] tetrasulfide solutions doped with Ce(NO <sub>3</sub> ) <sub>3</sub> . <i>Corrosion Science</i> , <b>2006</b> , 48, 3740-3758	6.8	123
225	Corrosion resistance of a composite polymeric coating applied on biodegradable AZ31 magnesium alloy. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 8660-70	10.8	116
224	TiO <sub>x</sub> self-assembled networks prepared by templating approach as nanostructured reservoirs for self-healing anticorrosion pre-treatments. <i>Electrochemistry Communications</i> , <b>2006</b> , 8, 421-428	5.1	112
223	Analytical characterization of silane films modified with cerium activated nanoparticles and its relation with the corrosion protection of galvanised steel substrates. <i>Progress in Organic Coatings</i> , <b>2008</b> , 63, 330-337	4.8	108
222	Influence of incorporated Mo and Nb on the Mott-Schottky behaviour of anodic films formed on AISI 304L. <i>Corrosion Science</i> , <b>2010</b> , 52, 2813-2818	6.8	107
221	Effect of fly ash on concrete reinforcement corrosion studied by EIS. <i>Cement and Concrete Composites</i> , <b>2000</b> , 22, 175-185	8.6	105
220	Composition and behaviour of cerium films on galvanised steel. <i>Progress in Organic Coatings</i> , <b>2001</b> , 43, 274-281	4.8	104
219	The role of Mo in the chemical composition and semiconductive behaviour of oxide films formed on stainless steels. <i>Corrosion Science</i> , <b>1999</b> , 41, 17-34	6.8	104
218	Composition and corrosion behaviour of galvanised steel treated with rare-earth salts: the effect of the cation. <i>Progress in Organic Coatings</i> , <b>2002</b> , 44, 111-120	4.8	103
217	Study of passive films formed on mild steel in alkaline media by the application of anodic potentials. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 114, 962-972	4.4	102

216	Layered Ni(OH)-Co(OH) films prepared by electrodeposition as charge storage electrodes for hybrid supercapacitors. <i>Scientific Reports</i> , <b>2017</b> , 7, 39980	4.9	99
215	Electrochemical and analytical investigation of passive films formed on stainless steels in alkaline media. <i>Cement and Concrete Composites</i> , <b>2012</b> , 34, 1075-1081	8.6	97
214	Modification of bis-silane solutions with rare-earth cations for improved corrosion protection of galvanized steel substrates. <i>Progress in Organic Coatings</i> , <b>2006</b> , 57, 67-77	4.8	96
213	The synergistic combination of bis-silane and CeO <sub>2</sub> /ZrO <sub>2</sub> nanoparticles on the electrochemical behaviour of galvanised steel in NaCl solutions. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 5913-5922	6.7	94
212	Corrosion Behavior of Stainless Steel Rebars Embedded in Concrete: an Electrochemical Impedance Spectroscopy Study. <i>Electrochimica Acta</i> , <b>2014</b> , 124, 218-224	6.7	93
211	The corrosion resistance of hot dip galvanized steel pretreated with Bis-functional silanes modified with microsilica. <i>Surface and Coatings Technology</i> , <b>2006</b> , 200, 2875-2885	4.4	93
210	A comparative study on the corrosion resistance of AA2024-T3 substrates pre-treated with different silane solutions: Composition of the films formed. <i>Progress in Organic Coatings</i> , <b>2005</b> , 54, 322-331	4.8	93
209	Self-healing ceria-modified coating for corrosion protection of AZ31 magnesium alloy. <i>Corrosion Science</i> , <b>2018</b> , 142, 12-21	6.8	92
208	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> , <b>2011</b> , 56, 4475-4488	6.7	91
207	Electrochemical study of modified non-functional bis-silane layers on Al alloy 2024-T3. <i>Corrosion Science</i> , <b>2008</b> , 50, 1258-1266	6.8	88
206	Composition and corrosion resistance of cerium conversion films on the AZ31 magnesium alloy and its relation to the salt anion. <i>Applied Surface Science</i> , <b>2008</b> , 254, 1806-1814	6.7	86
205	Self healing ability of inhibitor-containing nanocapsules loaded in epoxy coatings applied on aluminium 5083 and galvaneal substrates. <i>Electrochimica Acta</i> , <b>2014</b> , 140, 282-293	6.7	84
204	Analytical characterisation and corrosion behaviour of bis-[triethoxysilylpropyl]tetrasulphide pre-treated AA2024-T3. <i>Corrosion Science</i> , <b>2005</b> , 47, 869-881	6.8	81
203	Anti-corrosion performance of a new silane coating for corrosion protection of AZ31 magnesium alloy in Hank's solution. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 4368-4375	4.4	80
202	Corrosion behaviour of rebars in fly ash mortar exposed to carbon dioxide and chlorides. <i>Cement and Concrete Composites</i> , <b>2002</b> , 24, 45-53	8.6	78
201	An electrochemical and analytical assessment on the early corrosion behaviour of galvanised steel pretreated with aminosilanes. <i>Surface and Coatings Technology</i> , <b>2005</b> , 192, 284-290	4.4	76
200	An electrochemical and analytical approach to the inhibition mechanism of an amino-alcohol-based corrosion inhibitor for reinforced concrete. <i>Electrochimica Acta</i> , <b>2003</b> , 48, 3509-3518	6.7	75
199	pH-sensitive polymeric particles with increased inhibitor-loading capacity as smart additives for corrosion protective coatings for AA2024. <i>Electrochimica Acta</i> , <b>2014</b> , 145, 123-131	6.7	71

198	Multiprobe chloride sensor for in situ monitoring of reinforced concrete structures. <i>Cement and Concrete Composites</i> , <b>2006</b> , 28, 233-236	8.6	71
197	Electrochemical study of modified cerium silane bi-layer on Al alloy 2024-T3. <i>Corrosion Science</i> , <b>2009</b> , 51, 1238-1250	6.8	70
196	Electrodeposition and characterization of polypyrrole films on aluminium alloy 6061-T6. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 4754-4763	6.7	70
195	Electrochemical behaviour of amino alcohol-based inhibitors used to control corrosion of reinforcing steel. <i>Electrochimica Acta</i> , <b>2004</b> , 49, 2753-2760	6.7	70
194	Multifunctional epoxy coatings combining a mixture of traps and inhibitor loaded nanocontainers for corrosion protection of AA2024-T3. <i>Corrosion Science</i> , <b>2014</b> , 85, 147-159	6.8	69
193	Chemical composition and semiconducting behaviour of stainless steel passive films in contact with artificial seawater. <i>Corrosion Science</i> , <b>1998</b> , 40, 481-494	6.8	69
192	Silane/TiO <sub>2</sub> coating to control the corrosion rate of magnesium alloys in simulated body fluid. <i>Corrosion Science</i> , <b>2016</b> , 104, 152-161	6.8	68
191	Analytical characterisation and corrosion behaviour of bis-aminosilane coatings modified with carbon nanotubes activated with rare-earth salts applied on AZ31 Magnesium alloy. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 4766-4774	4.4	64
190	Analytical Characterization of the Passive Film Formed on Steel in Solutions Simulating the Concrete Interstitial Electrolyte. <i>Corrosion</i> , <b>1998</b> , 54, 347-353	1.8	62
189	Electrochemical and analytical study of corrosion inhibition on carbon steel in HCl medium by 1,12-bis(1,2,4-triazolyl)dodecane. <i>Corrosion Science</i> , <b>2005</b> , 47, 447-459	6.8	61
188	Ni x Co 1-x (OH) <sub>2</sub> nanosheets on carbon nanofoam paper as high areal capacity electrodes for hybrid supercapacitors. <i>Energy</i> , <b>2017</b> , 126, 208-216	7.9	60
187	Comparison of the synergistic effects of inhibitor mixtures tailored for enhanced corrosion protection of bare and coated AA2024-T3. <i>Surface and Coatings Technology</i> , <b>2016</b> , 303, 342-351	4.4	59
186	The corrosion performance of organosilane based pre-treatments for coatings on galvanised steel. <i>Progress in Organic Coatings</i> , <b>2000</b> , 38, 17-26	4.8	59
185	Electrodeposition and characterization of nickel/copper metallic foams for application as electrodes for supercapacitors. <i>Journal of Applied Electrochemistry</i> , <b>2014</b> , 44, 455-465	2.6	56
184	Corrosion behaviour of reinforcing steel exposed to an amino alcohol based corrosion inhibitor. <i>Cement and Concrete Composites</i> , <b>2005</b> , 27, 671-678	8.6	55
183	Large-scale synthesis of free-standing N-doped graphene using microwave plasma. <i>Scientific Reports</i> , <b>2018</b> , 8, 12595	4.9	55
182	The corrosion behaviour of rare-earth containing magnesium alloys in borate buffer solution. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 1535-1545	6.7	54
181	Galvanic coupling between carbon steel and austenitic stainless steel in alkaline media. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 2271-2279	6.7	54

180	Quasi-simultaneous measurements of ionic currents by vibrating probe and pH distribution by ion-selective microelectrode. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 20-23	5.1	51
179	Epoxy coatings modified with a new cerium phosphate inhibitor for smart corrosion protection of steel. <i>Corrosion Science</i> , <b>2019</b> , 159, 108128	6.8	49
178	FeOOH and amorphous NiMn hydroxide on carbon nanofoam paper electrodes for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2612-2624	13	47
177	Semiconducting properties of oxide and passive films formed on AISI 304 stainless steel and Alloy 600. <i>Journal of the Brazilian Chemical Society</i> , <b>2002</b> , 13, 433	1.5	47
176	Corrosion inhibition synergies on a model Al-Cu-Mg sample studied by localized scanning electrochemical techniques. <i>Corrosion Science</i> , <b>2016</b> , 112, 408-417	6.8	45
175	Effect of cerium (IV) ions on the anticorrosion properties of siloxane-poly(methyl methacrylate) based film applied on tin coated steel. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 5100-5109	6.7	45
174	In-vitro corrosion behaviour of the magnesium alloy with Al and Zn (AZ31) protected with a biodegradable polycaprolactone coating loaded with hydroxyapatite and cephalexin. <i>Electrochimica Acta</i> , <b>2015</b> , 179, 431-440	6.7	44
173	Biofunctional composite coating architectures based on polycaprolactone and nanohydroxyapatite for controlled corrosion activity and enhanced biocompatibility of magnesium AZ31 alloy. <i>Materials Science and Engineering C</i> , <b>2015</b> , 48, 434-43	8.3	43
172	On the Supercapacitive Behaviour of Anodic Porous WO <sub>3</sub> -Based Negative Electrodes. <i>Electrochimica Acta</i> , <b>2017</b> , 232, 192-201	6.7	42
171	Properties enhancement of Ni-P electrodeposited coatings by the incorporation of nanoscale Y <sub>2</sub> O <sub>3</sub> particles. <i>Applied Surface Science</i> , <b>2018</b> , 457, 956-967	6.7	42
170	Chloride-induced corrosion behavior of reinforcing steel in spent fluid cracking catalyst modified mortars. <i>Cement and Concrete Research</i> , <b>2013</b> , 47, 1-7	10.3	42
169	Improving the corrosion protection properties of organically modified silicate-epoxy coatings by incorporation of organic and inorganic inhibitors. <i>Progress in Organic Coatings</i> , <b>2011</b> , 72, 653-662	4.8	42
168	Analytical and microscopic characterisation of modified bis-[triethoxysilylpropyl] tetrasulphide silane films on magnesium AZ31 substrates. <i>Progress in Organic Coatings</i> , <b>2007</b> , 60, 228-237	4.8	42
167	Fabrication of Three-Dimensional Dendritic NiCo Films By Electrodeposition on Stainless Steel Substrates. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 22425-22431	3.8	41
166	Characterization and performance evaluation of PtRu electrocatalysts supported on different carbon materials for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 910-920	6.7	40
165	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , <b>2019</b> , 372, 121-133	4.4	39
164	Electrochemical study of the corrosion inhibition ability of smart coatings applied on AA2024. <i>Journal of Solid State Electrochemistry</i> , <b>2013</b> , 17, 2183-2192	2.6	39
163	How is the chemical bonding of WSiN sputtered coatings?. <i>Surface and Coatings Technology</i> , <b>2001</b> , 142-144, 964-970	4.4	39

162	Polyaniline coatings on aluminium alloy 6061-T6: Electrosynthesis and characterization. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 3580-3588	6.7	38
161	3D nickel foams with controlled morphologies for hydrogen evolution reaction in highly alkaline media. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 1701-1709	6.7	38
160	Tannin: A natural corrosion inhibitor for aluminum alloys. <i>Progress in Organic Coatings</i> , <b>2019</b> , 135, 368-384	4.8	37
159	Co(OH) <sub>2</sub> /carbon nanofoam composite as electrochemical capacitor electrode operating at 2V in aqueous medium. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 234-242	8.9	37
158	Structural evolution, magnetic properties and electrochemical response of MnCo <sub>2</sub> O <sub>4</sub> nanosheet films. <i>RSC Advances</i> , <b>2015</b> , 5, 27844-27852	3.7	37
157	Influence of pH on Properties of Oxide Films Formed on Type 316L Stainless Steel, Alloy 600, and Alloy 690 in High-Temperature Aqueous Environments. <i>Corrosion</i> , <b>2003</b> , 59, 11-21	1.8	37
156	Surface evaluation and electrochemical behaviour of doped silane pre-treatments on galvanised steel substrates. <i>Progress in Organic Coatings</i> , <b>2007</b> , 59, 214-223	4.8	36
155	Copper-cobalt foams as active and stable catalysts for hydrogen release by hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 8438-8448	6.7	36
154	Novel smart and self-healing cerium phosphate-based corrosion inhibitor for AZ31 magnesium alloy. <i>Corrosion Science</i> , <b>2020</b> , 170, 108648	6.8	35
153	Enhancement of the Ni-Co hydroxide response as Energy Storage Material by Electrochemically Reduced Graphene Oxide. <i>Electrochimica Acta</i> , <b>2017</b> , 240, 323-340	6.7	34
152	Electrochemical and analytical assessment of galvanized steel reinforcement pre-treated with Ce and La salts under alkaline media. <i>Cement and Concrete Composites</i> , <b>2006</b> , 28, 256-266	8.6	33
151	Assessing concrete carbonation resistance through air permeability measurements. <i>Construction and Building Materials</i> , <b>2015</b> , 82, 304-309	6.7	32
150	Hydrogen evolution on nanostructured NiCu foams. <i>RSC Advances</i> , <b>2015</b> , 5, 43456-43461	3.7	32
149	Influence of the addition of SiO <sub>2</sub> nanoparticles to a hybrid coating applied on an AZ31 alloy for early corrosion protection. <i>Surface and Coatings Technology</i> , <b>2016</b> , 303, 372-384	4.4	31
148	Passive behavior of magnesium alloys (MgZr) containing rare-earth elements in alkaline media. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 2482-2489	6.7	31
147	The early corrosion behaviour of hot dip galvanised steel pre-treated with bis-1,2-(triethoxysilyl)ethane. <i>Progress in Organic Coatings</i> , <b>2004</b> , 51, 188-194	4.8	31
146	Evolution of the in vitro degradation of ZnMg alloys under simulated physiological conditions. <i>RSC Advances</i> , <b>2017</b> , 7, 28224-28233	3.7	30
145	Novel healing coatings based on natural-derived polyurethane modified with tannins for corrosion protection of AA2024-T3. <i>Corrosion Science</i> , <b>2020</b> , 162, 108213	6.8	30

144	Hybrid nickel manganese oxide nanosheet-3D metallic dendrite percolation network electrodes for high-rate electrochemical energy storage. <i>Nanoscale</i> , <b>2015</b> , 7, 12452-9	7.7	29
143	Coffee-derived activated carbon from second biowaste for supercapacitor applications. <i>Waste Management</i> , <b>2021</b> , 120, 280-289	8.6	29
142	Morphological changes and electrochemical response of mixed nickel manganese oxides as charge storage electrodes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10875-10882	13	28
141	A two-step surface treatment, combining anodisation and silanisation, for improved corrosion protection of the Mg alloy WE54. <i>Progress in Organic Coatings</i> , <b>2010</b> , 69, 143-149	4.8	28
140	Hydrogen bubbling-induced micro/nano porous MnO <sub>2</sub> films prepared by electrodeposition for pseudocapacitor electrodes. <i>Electrochimica Acta</i> , <b>2016</b> , 202, 166-174	6.7	28
139	Electrodeposited MoO <sub>x</sub> films as negative electrode materials for redox supercapacitors. <i>Electrochimica Acta</i> , <b>2017</b> , 225, 19-28	6.7	27
138	Mechanisms of Localized Corrosion Inhibition of AA2024 by Cerium Molybdate Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 5811-5823	3.8	27
137	The corrosion potential of stainless steel rebars in concrete: Temperature effect. <i>Corrosion Science</i> , <b>2012</b> , 65, 556-560	6.8	27
136	New Insights into Antibiofilm Effect of a Nanosized ZnO Coating against the Pathogenic Methicillin Resistant Staphylococcus aureus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28157-28167	9.5	26
135	Hybrid coatings with collagen and chitosan for improved bioactivity of Mg alloys. <i>Surface and Coatings Technology</i> , <b>2018</b> , 341, 103-113	4.4	25
134	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 12079-12094	4.3	24
133	Corrosion prevention of AA2024-T3 aluminum alloy with a polyaniline/poly(Eglycidoxypropyltrimethoxysilane) bi-layer coating: Comparative study with polyaniline mono-layer feature. <i>Surface and Coatings Technology</i> , <b>2018</b> , 337, 1-11	4.4	24
132	Free-standing N-Graphene as conductive matrix for Ni(OH) <sub>2</sub> based supercapacitive electrodes. <i>Electrochimica Acta</i> , <b>2020</b> , 334, 135592	6.7	24
131	Biobased self-healing polyurethane coating with Zn micro-flakes for corrosion protection of AA7475. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126478	14.7	24
130	Synthesis and characterisation of NiB/Ni <sub>3</sub> BO <sub>2</sub> duplex composite coatings. <i>Journal of Applied Electrochemistry</i> , <b>2018</b> , 48, 391-404	2.6	23
129	Localised corrosion assesement of crambe-oil-based polyurethane coatings applied on the ASTM 1200 aluminum alloy. <i>Corrosion Science</i> , <b>2016</b> , 111, 422-435	6.8	23
128	Parallel nano-assembling of a multifunctional GO/HapNP coating on ultrahigh-purity magnesium for biodegradable implants. <i>Applied Surface Science</i> , <b>2015</b> , 345, 387-393	6.7	22
127	Cathodic electrodeposition and electrochemical response of manganese oxide pseudocapacitor electrodes. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16355-16364	6.7	22



126	Nanostructured p-type Cr/V <sub>2</sub> O <sub>5</sub> thin films with boosted thermoelectric properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6456-6462	13	22
125	Deposition of hybrid 3-GPTMS's film on AA2024-T3: Dependence of film morphology and protectiveness performance on coating conditions. <i>Progress in Organic Coatings</i> , <b>2012</b> , 73, 264-271	4.8	22
124	Redox active materials for metal compound based hybrid electrochemical energy storage: a perspective view. <i>Applied Surface Science</i> , <b>2017</b> , 422, 492-497	6.7	22
123	Artificial aging route for assessing the potential efficacy of consolidation treatments applied to porous carbonate stones. <i>Materials and Design</i> , <b>2017</b> , 120, 10-21	8.1	21
122	The role of the suprastoichiometric molybdenum during methanol to formaldehyde oxidation over MoBe mixed oxides. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 397, 93-98		21
121	Surface studies on acrylic bone cement. <i>International Journal of Pharmaceutics</i> , <b>2004</b> , 278, 181-6	6.5	21
120	Self-healing ability based on hydrogen bonds in organic coatings for corrosion protection of AA1200. <i>Corrosion Science</i> , <b>2020</b> , 177, 108984	6.8	21
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109	Influence of apple phytochemicals in ZnO nanoparticles formation, photoluminescence and biocompatibility for biomedical applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 101, 76-87	8.3	18

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102	Autonomous self-healing in epoxy coatings provided by high efficiency isophorone diisocyanate (IPDI) microcapsules for protection of carbon steel. <i>Progress in Organic Coatings</i> , <b>2020</b> , 139, 105445	4.8	17
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4	The effect of cerium nitrate on the corrosion behaviour of electrogalvanised steel substrates, evaluated by XPS and SVET <b>2007</b> , 110-118		
3	The efficacy of stone consolidants based on alkoxysilanes: Influence of solvent type <b>2018</b> , 13-16		
2	Corrosion Protection of Magnesium Alloys by Functional Coatings <b>2016</b> , 1-33		
1	Simulation of the Electrochemical Response of Cobalt Hydroxide Electrodes for Energy Storage. <i>Batteries</i> , <b>2022</b> , 8, 37	5.7	

