

Mf Montemor

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

251
papers

12,146
citations

62
h-index

101
g-index

266
ext. papers

13,747
ext. citations

5.7
avg, IF

6.92
L-index

#	Paper	IF	Citations
251	Tailored 3D Foams Decorated with Nanostructured Manganese Oxide for Asymmetric Electrochemical Capacitors. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 020511	3.9	0
250	Biomedical potential of 3D Zn and ZnCu foams produced by dynamic hydrogen bubble template. <i>Applied Surface Science</i> , 2022 , 580, 152207	6.7	0
249	Steps towards highly-efficient water splitting and oxygen reduction using nanostructured ENi(OH) ₂ . <i>RSC Advances</i> , 2022 , 12, 10020-10028	3.7	0
248	Ability of novel consolidants to improve cohesion of carbonate stones: Dependence on pore-shape, aging conditions and treatment procedures. <i>Journal of Cultural Heritage</i> , 2022 , 55, 95-106	2.9	1
247	Simulation of the Electrochemical Response of Cobalt Hydroxide Electrodes for Energy Storage. <i>Batteries</i> , 2022 , 8, 37	5.7	
246	Improved corrosion resistance on Mg-2Ca alloy with TiO ₂ nanoparticles embedded in a polycaprolactone (PCL) coating. <i>Applied Surface Science Advances</i> , 2022 , 9, 100257	2.6	0
245	N-Graphene-Metal-oxide(sulfide) Hybrid Nanostructures: Single-Step Plasma-Enabled Approach for Energy Storage Applications. <i>Chemical Engineering Journal</i> , 2021 , 133153	14.7	3
244	Enhancement of mechanical and corrosion resistance properties of electrodeposited Ni-P-TiC composite coatings. <i>Scientific Reports</i> , 2021 , 11, 5327	4.9	4
243	Advanced Carbon-Nickel Sulfide Hybrid Nanostructures: Extending the Limits of Battery-Type Electrodes for Redox-Based Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20559-20572	9.5	16
242	Tailoring alkoxy silanes with poly(ethylene glycol) as potential consolidants for carbonate stones. <i>Construction and Building Materials</i> , 2021 , 289, 123048	6.7	5
241	Biobased self-healing polyurethane coating with Zn micro-flakes for corrosion protection of AA7475. <i>Chemical Engineering Journal</i> , 2021 , 404, 126478	14.7	24
240	Non-destructive corrosion study on a magnesium alloy with mechanical properties tailored for biodegradable cardiovascular stent applications. <i>Journal of Materials Science and Technology</i> , 2021 , 66, 128-138	9.1	7
239	Immobilization of His-tagged proteins on NiO foams for recyclable enzymatic reactors. <i>Applied Surface Science</i> , 2021 , 537, 147848	6.7	4
238	Coffee-derived activated carbon from second biowaste for supercapacitor applications. <i>Waste Management</i> , 2021 , 120, 280-289	8.6	29
237	Cerium oxide loaded with Gum Arabic as environmentally friendly anti-corrosion additive for protection of coated steel. <i>Materials and Design</i> , 2021 , 198, 109361	8.1	10
236	Cerium phosphate-based inhibitor for smart corrosion protection of WE43 magnesium alloy. <i>Electrochimica Acta</i> , 2021 , 365, 137368	6.7	15
235	Exploring alkaline routes for production of TEOS-based consolidants for carbonate stones using amine catalysts. <i>New Journal of Chemistry</i> , 2021 , 45, 3833-3847	3.6	2

234	A study on the galvanic corrosion of a sol-gel coated PEO Mg-CFRP couple. <i>Corrosion Science</i> , 2021 , 186, 109470	6.8	5
233	On the synergistic corrosion inhibition and polymer healing effects of polyolefin coatings modified with Ce-loaded hydroxyapatite particles applied on steel. <i>Electrochimica Acta</i> , 2021 , 388, 138648	6.7	7
232	From manganese oxide to manganese sulphide: Synthesis and its effect on electrochemical energy storage performance. <i>Electrochimica Acta</i> , 2021 , 389, 138711	6.7	2
231	Consolidating efficacy of diammonium hydrogen phosphate on artificially aged and naturally weathered coarse-grained marble. <i>Journal of Cultural Heritage</i> , 2021 , 51, 145-156	2.9	4
230	Effectiveness of Epoxy Coating Modified with Yttrium Oxide Loaded with Imidazole on the Corrosion Protection of Steel. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
229	On the estimation of marbles weathering by thermal action using drilling resistance. <i>Journal of Building Engineering</i> , 2021 , 42, 102494	5.2	4
228	The role of properties on the decay susceptibility and conservation issues of soft limestones: Contribution of AnÛtstone (Portugal). <i>Journal of Building Engineering</i> , 2021 , 44, 102997	5.2	2
227	Green synthesis of zinc oxide particles with apple-derived compounds and their application as catalysts in the transesterification of methyl benzoates. <i>Dalton Transactions</i> , 2020 , 49, 6488-6494	4.3	3
226	Antagonist biocompatibilities of Zn-based materials functionalized with physiological active metal oxides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 110990	6	1
225	Calcium carbonate particles loaded with triethanolamine and polyethylenimine for enhanced corrosion protection of epoxy coated steel. <i>Corrosion Science</i> , 2020 , 167, 108548	6.8	15
224	Direct electrodeposition of hydrogenated reduced graphene oxide from unsonicated solution and its electrochemical response. <i>Diamond and Related Materials</i> , 2020 , 104, 107740	3.5	4
223	Novel smart and self-healing cerium phosphate-based corrosion inhibitor for AZ31 magnesium alloy. <i>Corrosion Science</i> , 2020 , 170, 108648	6.8	35
222	Free-standing N-Graphene as conductive matrix for Ni(OH) ₂ based supercapacitive electrodes. <i>Electrochimica Acta</i> , 2020 , 334, 135592	6.7	24
221	Alkoxysilane-based sols for consolidation of carbonate stones: Proposal of methodology to support the design and development of new consolidants. <i>Journal of Cultural Heritage</i> , 2020 , 43, 51-63	2.9	5
220	Microbiologically influenced corrosion mechanism of 304L stainless steel in treated urban wastewater and protective effect of silane-TiO coating. <i>Bioelectrochemistry</i> , 2020 , 132, 107413	5.6	12
219	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> , 2020 , 139, 105445	4.8	17
218	Hybrid shell microcapsules containing isophorone diisocyanate with high thermal and chemical stability for autonomous self-healing of epoxy coatings. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48751	2.9	13
217	Smart epoxy coating modified with isophorone diisocyanate microcapsules and cerium organophosphate for multilevel corrosion protection of carbon steel. <i>Progress in Organic Coatings</i> , 2020 , 147, 105864	4.8	6

216	Activated Carbons From Winemaking Biowastes for Electrochemical Double-Layer Capacitors. <i>Frontiers in Chemistry</i> , 2020 , 8, 686	5	6
215	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermochromic-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. <i>Inorganic Chemistry</i> , 2020 , 59, 16301-16318	5.1	7
214	On the growth and mechanical properties of nanostructured cobalt foams by dynamic hydrogen bubble template electrodeposition. <i>Materials Characterization</i> , 2020 , 169, 110598	3.9	1
213	Self-healing ability based on hydrogen bonds in organic coatings for corrosion protection of AA1200. <i>Corrosion Science</i> , 2020 , 177, 108984	6.8	21
212	Novel healing coatings based on natural-derived polyurethane modified with tannins for corrosion protection of AA2024-T3. <i>Corrosion Science</i> , 2020 , 162, 108213	6.8	30
211	In-Situ Localized pH, pNa and Dissolved O ₂ Measurements During Charge-Discharge of Mixed Ni/Co Hydroxide Electrodes. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 080511	3.9	5
210	Influence of inhibitor adsorption on readings of microelectrode during SVET measurements. <i>Electrochimica Acta</i> , 2019 , 322, 134761	6.7	9
209	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , 2019 , 137, 105319	4.8	14
208	Synthesis and properties of polyelectrolyte multilayered microcapsules reinforced smart coatings. <i>Journal of Materials Science</i> , 2019 , 54, 12079-12094	4.3	24
207	Tannin: A natural corrosion inhibitor for aluminum alloys. <i>Progress in Organic Coatings</i> , 2019 , 135, 368-384	4.8	37
206	Multifunctional self-healing polymeric nanocomposite coatings for corrosion inhibition of steel. <i>Surface and Coatings Technology</i> , 2019 , 372, 121-133	4.4	39
205	Electrochemical response of a high-power asymmetric supercapacitor based on tailored MnOx/Ni foam and carbon cloth in neutral and alkaline electrolytes. <i>Journal of Energy Storage</i> , 2019 , 22, 345-353	7.8	15
204	Influence of apple phytochemicals in ZnO nanoparticles formation, photoluminescence and biocompatibility for biomedical applications. <i>Materials Science and Engineering C</i> , 2019 , 101, 76-87	8.3	18
203	Metal Oxide and Hydroxide-Based Aqueous Supercapacitors: From Charge Storage Mechanisms and Functional Electrode Engineering to Need-Tailored Devices. <i>Advanced Science</i> , 2019 , 6, 1801797	13.6	160
202	Nickel-cobalt oxide modified with reduced graphene oxide: Performance and degradation for energy storage applications. <i>Journal of Power Sources</i> , 2019 , 419, 12-26	8.9	13
201	Electrodeposited Manganese Oxide on Tailored 3D Bimetallic Nanofoams for Energy Storage Applications. <i>Energy Technology</i> , 2019 , 7, 1801139	3.5	8
200	Epoxy coatings modified with a new cerium phosphate inhibitor for smart corrosion protection of steel. <i>Corrosion Science</i> , 2019 , 159, 108128	6.8	49
199	Life cycle assessment of emerging Ni-Co hydroxide charge storage electrodes: impact of graphene oxide and synthesis route.. <i>RSC Advances</i> , 2019 , 9, 18853-18862	3.7	5

198	From Bench-Scale to Prototype: Case Study on a Nickel Hydroxide Activated Carbon Hybrid Energy Storage Device. <i>Batteries</i> , 2019 , 5, 65	5.7	1
197	Pseudocapacitive behaviour of Fe _x grown on stainless steel up to 1.8 V in aqueous electrolyte. <i>Journal of Energy Storage</i> , 2019 , 26, 100949	7.8	8
196	The corrosion inhibition mechanisms of Ce(III) ions and triethanolamine on graphite-AA2024-T3 galvanic couples revealed by localised electrochemical techniques. <i>Corrosion Science</i> , 2019 , 150, 207-217	6.8	17
195	Bi-layered silane-TiO/collagen coating to control biodegradation and biointegration of Mg alloys. <i>Materials Science and Engineering C</i> , 2019 , 94, 126-138	8.3	11
194	Alkoxysilane-based sols for consolidation of carbonate stones: Impact of the carbonate medium in the sol-gel processes. <i>Journal of Cultural Heritage</i> , 2019 , 37, 63-72	2.9	10
193	3D nickel foams with controlled morphologies for hydrogen evolution reaction in highly alkaline media. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1701-1709	6.7	38
192	The potential action of single functionalization treatments and combined treatments for the consolidation of carbonate stones. <i>Construction and Building Materials</i> , 2018 , 163, 586-599	6.7	7
191	Elaboration of β -glycidoxypropyltrimethoxysilane coating on AA2024-T3 aluminum alloy: Influence of synthesis route on physicochemical and anticorrosion properties. <i>Progress in Organic Coatings</i> , 2018 , 121, 1-12	4.8	9
190	Oxidation Studies of Cu ₁₂ Sb ₃ Bi _{0.1} S ₁₀ Se ₃ Tetrahedrite. <i>Journal of Electronic Materials</i> , 2018 , 47, 2880-2889	12.9	13
189	Potential anti-cancer and anti-Candida activity of Zn-derived foams. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 2821-2830	7.3	5
188	Synthesis and characterisation of NiB/NiPCeO ₂ duplex composite coatings. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 391-404	2.6	23
187	Effect of AA2024-T3 surface pretreatment on the physicochemical properties and the anticorrosion performance of poly(β -glycidoxypropyltrimethoxysilane) sol-gel coating. <i>Surface and Interface Analysis</i> , 2018 , 50, 335-345	1.5	11
186	β -FeOOH and amorphous NiMn hydroxide on carbon nanofoam paper electrodes for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2612-2624	13	47
185	Corrosion prevention of AA2024-T3 aluminum alloy with a polyaniline/poly(β -glycidoxypropyltrimethoxysilane) bi-layer coating: Comparative study with polyaniline mono-layer feature. <i>Surface and Coatings Technology</i> , 2018 , 337, 1-11	4.4	24
184	Unveiling the effect of the electrodes area on the corrosion mechanism of a graphite - AA2024-T3 galvanic couple by localised electrochemistry. <i>Electrochimica Acta</i> , 2018 , 277, 9-19	6.7	15
183	In silico, in vitro and antifungal activity of the surface layers formed on zinc during this biomaterial degradation. <i>Applied Surface Science</i> , 2018 , 447, 401-407	6.7	13
182	Hybrid coatings with collagen and chitosan for improved bioactivity of Mg alloys. <i>Surface and Coatings Technology</i> , 2018 , 341, 103-113	4.4	25
181	Properties enhancement of Ni-P electrodeposited coatings by the incorporation of nanoscale Y ₂ O ₃ particles. <i>Applied Surface Science</i> , 2018 , 457, 956-967	6.7	42

180	Self-healing ceria-modified coating for corrosion protection of AZ31 magnesium alloy. <i>Corrosion Science</i> , 2018 , 142, 12-21	6.8	92
179	Functional Self-Healing Coatings: A New Trend in Corrosion Protection by Organic Coatings 2018 , 236-249		4
178	Corrosion Protection of Magnesium Alloys by Functional Coatings 2018 , 2473-2505		2
177	Capacitance response in an aqueous electrolyte of Nb ₂ O ₅ nanochannel layers anodically grown in pure molten o-H ₃ PO ₄ . <i>Electrochimica Acta</i> , 2018 , 281, 725-737	6.7	15
176	Pseudocapacitive response of hydrothermally grown MoS ₂ crumpled nanosheet on carbon fiber. <i>Materials Chemistry and Physics</i> , 2018 , 216, 413-420	4.4	6
175	The efficacy of stone consolidants based on alkoxysilanes: Influence of solvent type 2018 , 13-16		
174	Microstructured ZnO-rod like coating prevents biofilm formation prompted by pathogenic <i>Candida</i> spp.. <i>Ceramics International</i> , 2018 , 44, 4467-4472	5.1	5
173	Saving Raw Materials for Cement Manufacture and Reusing an Untreated Waste from the Petrochemical Industry. <i>Resources</i> , 2018 , 7, 56	3.7	2
172	Application of the Mott-Schottky model to select potentials for EIS studies on electrodes for electrochemical charge storage. <i>Electrochimica Acta</i> , 2018 , 289, 47-55	6.7	21
171	Large-scale synthesis of free-standing N-doped graphene using microwave plasma. <i>Scientific Reports</i> , 2018 , 8, 12595	4.9	55
170	Electrochemical performance of MnOx·nH ₂ O@Ni composite foam electrodes for energy storage in KOH media. <i>Electrochimica Acta</i> , 2018 , 281, 39-47	6.7	7
169	Biopolymeric coatings for delivery of antibiotic and controlled degradation of bioresorbable Mg AZ31 alloys. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 533-543	3	7
168	TEOS-based consolidants for carbonate stones: the role of N1-(3-trimethoxysilylpropyl)diethylenetriamine. <i>New Journal of Chemistry</i> , 2017 , 41, 2458-2467	3.6	14
167	Electrochemical Impedance Spectroscopy study on the absorption and evaporation processes in natural stones. <i>Electrochimica Acta</i> , 2017 , 233, 62-70	6.7	
166	On the Supercapacitive Behaviour of Anodic Porous WO ₃ -Based Negative Electrodes. <i>Electrochimica Acta</i> , 2017 , 232, 192-201	6.7	42
165	Artificial aging route for assessing the potential efficacy of consolidation treatments applied to porous carbonate stones. <i>Materials and Design</i> , 2017 , 120, 10-21	8.1	21
164	Enhancement of the Ni-Co hydroxide response as Energy Storage Material by Electrochemically Reduced Graphene Oxide. <i>Electrochimica Acta</i> , 2017 , 240, 323-340	6.7	34
163	Ni x Co 1-x (OH) ₂ nanosheets on carbon nanofoam paper as high areal capacity electrodes for hybrid supercapacitors. <i>Energy</i> , 2017 , 126, 208-216	7.9	60

162	Layered Ni(OH)-Co(OH) films prepared by electrodeposition as charge storage electrodes for hybrid supercapacitors. <i>Scientific Reports</i> , 2017 , 7, 39980	4.9	99
161	Electrodeposited MoOx films as negative electrode materials for redox supercapacitors. <i>Electrochimica Acta</i> , 2017 , 225, 19-28	6.7	27
160	Electrodeposition: a versatile, efficient, binder-free and room temperature one-step process to produce MnO ₂ electrochemical capacitor electrodes. <i>RSC Advances</i> , 2017 , 7, 32038-32043	3.7	18
159	New Insights into Antibiofilm Effect of a Nanosized ZnO Coating against the Pathogenic Methicillin Resistant Staphylococcus aureus. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28157-28167	9.5	26
158	Electrochemical study of polyaniline coating electropolymerized onto AA2024-T3 aluminium alloy: Physical properties and anticorrosion performance. <i>Synthetic Metals</i> , 2017 , 234, 145-153	3.6	17
157	Assessment of the influence of Concrete Modification in the Water Uptake/Evaporation Kinetics by Electrochemical Impedance Spectroscopy. <i>Electrochimica Acta</i> , 2017 , 247, 50-62	6.7	5
156	Redox active materials for metal compound based hybrid electrochemical energy storage: a perspective view. <i>Applied Surface Science</i> , 2017 , 422, 492-497	6.7	22
155	In vitro degradation of ZnO flowered coated Zn-Mg alloys in simulated physiological conditions. <i>Materials Science and Engineering C</i> , 2017 , 70, 112-120	8.3	20
154	Novel Ni Based Duplex Coatings for Anticorrosion Applications. <i>ECS Transactions</i> , 2017 , 80, 593-602	1	
153	Ag(I) camphorimine complexes with antimicrobial activity towards clinically important bacteria and species of the Candida genus. <i>PLoS ONE</i> , 2017 , 12, e0177355	3.7	12
152	Evolution of the in vitro degradation of ZnMg alloys under simulated physiological conditions. <i>RSC Advances</i> , 2017 , 7, 28224-28233	3.7	30
151	Closure to discussion of Assessing concrete carbonation resistance through air permeability measurements [Construction and Building materials 82 (2015)] by Chao Jiang and Xianglim Gu. <i>Construction and Building Materials</i> , 2016 , 102, 916-917	6.7	
150	Corrosion inhibition synergies on a model Al-Cu-Mg sample studied by localized scanning electrochemical techniques. <i>Corrosion Science</i> , 2016 , 112, 408-417	6.8	45
149	Tetrahedrites for Low Cost and Sustainable Thermoelectrics. <i>Solid State Phenomena</i> , 2016 , 257, 135-138	0.4	5
148	In vitro corrosion behaviour and anti-Candida spp. activity of Zn coated with ZnO-nanostructured 'Anastacia' flowers. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4754-4761	7.3	8
147	Influence of the addition of SiO ₂ nanoparticles to a hybrid coating applied on an AZ31 alloy for early corrosion protection. <i>Surface and Coatings Technology</i> , 2016 , 303, 372-384	4.4	31
146	Silane/TiO ₂ coating to control the corrosion rate of magnesium alloys in simulated body fluid. <i>Corrosion Science</i> , 2016 , 104, 152-161	6.8	68
145	Smart composite coatings for corrosion protection of aluminium alloys in aerospace applications 2016 , 85-121		14

144	Hybrid nanocontainer-based smart self-healing composite coatings for the protection of metallic assets 2016 , 183-209		4
143	One-step process to form a nickel-based/carbon nanofoam composite supercapacitor electrode using Na ₂ SO ₄ as an eco-friendly electrolyte. <i>RSC Advances</i> , 2016 , 6, 15920-15928	3.7	17
142	Fostering Green Inhibitors for Corrosion Prevention. <i>Springer Series in Materials Science</i> , 2016 , 107-137	0.9	9
141	Nanostructured 3D metallic foams for H ₂ O ₂ electroreduction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 14370-14376	6.7	19
140	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> , 2016 , 303, 342-351	4.4	59
139	Corrosion Protection of Magnesium Alloys by Functional Coatings 2016 , 1-33		
138	Corrosion issues in joining lightweight materials: A review of the latest achievements. <i>Physical Sciences Reviews</i> , 2016 , 1,	1.4	3
137	Development of formulations based on TEOS-dicarboxylic acids for consolidation of carbonate stones. <i>New Journal of Chemistry</i> , 2016 , 40, 7493-7503	3.6	16
136	In vivo assessment of a new multifunctional coating architecture for improved Mg alloy biocompatibility. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045007	3.5	5
135	Polyethylene glycol oligomers as siloxane modifiers in consolidation of carbonate stones. <i>Pure and Applied Chemistry</i> , 2016 , 88, 1117-1128	2.1	10
134	Current transient and in situ AFM studies of initial growth stages of electrochemically deposited nickel cobalt hydroxide nanosheet films. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 12368-74	3.6	8
133	Localised corrosion assesement of crambe-oil-based polyurethane coatings applied on the ASTM 1200 aluminum alloy. <i>Corrosion Science</i> , 2016 , 111, 422-435	6.8	23
132	Copper-cobalt foams as active and stable catalysts for hydrogen release by hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8438-8448	6.7	36
131	Hydrothermally grown Ni _{0.7} Zn _{0.3} O directly on carbon fiber paper substrate as an electrode material for energy storage applications. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9876-9884	6.7	9
130	Hydrogen bubbling-induced micro/nano porous MnO ₂ films prepared by electrodeposition for pseudocapacitor electrodes. <i>Electrochimica Acta</i> , 2016 , 202, 166-174	6.7	28
129	Electrodeposited reduced-graphene oxide/cobalt oxide electrodes for charge storage applications. <i>Applied Surface Science</i> , 2016 , 382, 34-40	6.7	19
128	ELECTROCHEMICAL RESPONSE OF 70Co/30Ni HIGHLY BRANCHED 3D-DENDRITIC STRUCTURES FOR CHARGE STORAGE ELECTRODES. <i>Electrochimica Acta</i> , 2015 , 167, 13-19	6.7	12
127	Hybrid nickel manganese oxide nanosheet-3D metallic dendrite percolation network electrodes for high-rate electrochemical energy storage. <i>Nanoscale</i> , 2015 , 7, 12452-9	7.7	29

126	Co(OH) ₂ /carbon nanofoam composite as electrochemical capacitor electrode operating at 2V in aqueous medium. <i>Journal of Power Sources</i> , 2015 , 288, 234-242	8.9	37
125	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> , 2015 , 179, 431-440	6.7	44
124	Assessing concrete carbonation resistance through air permeability measurements. <i>Construction and Building Materials</i> , 2015 , 82, 304-309	6.7	32
123	Parallel nano-assembling of a multifunctional GO/HapNP coating on ultrahigh-purity magnesium for biodegradable implants. <i>Applied Surface Science</i> , 2015 , 345, 387-393	6.7	22
122	Hydrogen evolution on nanostructured NiCu foams. <i>RSC Advances</i> , 2015 , 5, 43456-43461	3.7	32
121	Morphological changes and electrochemical response of mixed nickel manganese oxides as charge storage electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10875-10882	13	28
120	Structural evolution, magnetic properties and electrochemical response of MnCo ₂ O ₄ nanosheet films. <i>RSC Advances</i> , 2015 , 5, 27844-27852	3.7	37
119	Fabrication of electrochemically reduced graphene oxide/cobalt oxide composite for charge storage electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 151-157	4.1	13
118	Transition Metal Foam Electrocatalysts for Hydrogen Evolution Reaction. <i>ECS Transactions</i> , 2015 , 64, 9-16	1	5
117	Cathodic electrodeposition and electrochemical response of manganese oxide pseudocapacitor electrodes. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 16355-16364	6.7	22
116	Non-destructive and on site method to assess the air-permeability in dimension stones and its relationship with other transport-related properties. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 3795-3809	3.4	14
115	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> , 2015 , 48, 434-43	8.3	43
114	The role of the suprastoichiometric molybdenum during methanol to formaldehyde oxidation over MoBe mixed oxides. <i>Journal of Molecular Catalysis A</i> , 2015 , 397, 93-98		21
113	Characterisation and electrochemical behaviour of electrodeposited CuBe foams applied as pseudocapacitor electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 737, 85-92	4.1	18
112	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
111	Durability performance of concrete incorporating spent fluid cracking catalyst. <i>Cement and Concrete Composites</i> , 2015 , 55, 308-314	8.6	14
110	3. Corrosion issues in joining lightweight materials: A review of the latest achievements 2015 , 53-72		2
109	Quasi-simultaneous Mapping of Local Current Density, pH and Dissolved O ₂ . <i>Electroanalysis</i> , 2015 , 27, 2725-2730	3	20

108	Three-dimensional nanostructured NiCu foams for borohydride oxidation. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 2449-2454	0.7	20
107	Nanostructured ZnO flowers for Zn coating by electrodeposition of ZnO at room temperature. <i>Applied Surface Science</i> , 2015 , 332, 152-158	6.7	8
106	Electrodeposition and isothermal aging of Co and Mn layers on stainless steel for interconnectors: Initial stages of spinel phase formation. <i>Journal of Power Sources</i> , 2014 , 255, 251-259	8.9	20
105	Corrosion Behavior of Stainless Steel Rebars Embedded in Concrete: an Electrochemical Impedance Spectroscopy Study. <i>Electrochimica Acta</i> , 2014 , 124, 218-224	6.7	93
104	Multifunctional epoxy coatings combining a mixture of traps and inhibitor loaded nanocontainers for corrosion protection of AA2024-T3. <i>Corrosion Science</i> , 2014 , 85, 147-159	6.8	69
103	Electrodeposition and characterization of nickel-copper metallic foams for application as electrodes for supercapacitors. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 455-465	2.6	56
102	Nanostructured p-type Cr/V ₂ O ₅ thin films with boosted thermoelectric properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6456-6462	13	22
101	pH-sensitive polymeric particles with increased inhibitor-loading capacity as smart additives for corrosion protective coatings for AA2024. <i>Electrochimica Acta</i> , 2014 , 145, 123-131	6.7	71
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