Pilar H Herrasti Gonzalez

List of Publications by Year
in descending order

36 papers	1,636 citations	304743 22 h-index	345221 36 g-index

36 all docs	36 docs citations	36 times ranked	1888 citing authors

#	Article	IF	Citations
1	Magnetite nanoparticles: Electrochemical synthesis and characterization. Electrochimica Acta, 2008, 53, 3436-3441.	5.2	293
2	Corrosion performance of conducting polymer coatings applied on mild steel. Corrosion Science, 2005, 47, 649-662.	6.6	183
3	Polypyrrole layers for steel protection. Applied Surface Science, 2001, 172, 276-284.	6.1	122
4	Electrodeposition of homogeneous and adherent polypyrrole on copper for corrosion protection. Electrochimica Acta, 2007, 52, 6496-6501.	5.2	91
5	Corrosion behaviour of API 5LX52 steel in HCl and H2SO4 media in the presence of 1,3-dibencilimidazolio acetate and 1,3-dibencilimidazolio dodecanoate ionic liquids as inhibitors. Materials Chemistry and Physics, 2014, 147, 191-197.	4.0	81
6	Effect of the polymer layers and bilayers on the corrosion behaviour of mild steel: Comparison with polymers containing Zn microparticles. Progress in Organic Coatings, 2005, 54, 285-291.	3.9	74
7	Electrodeposition of polypyrroleâ€“titanate nanotube composites coatings and their corrosion resistance. Electrochimica Acta, 2011, 56, 1323-1328.	5.2	68
8	Synthesis and characterization of CoFe₂O₄ferrite nanoparticles obtained by an electrochemical method. Nanotechnology, 2012, 23, 355708.	2.6	66
9	Electrochemical and mechanical properties of polypyrrole coatings on steel. Electrochimica Acta, 2004, 49, 3693-3699.	5.2	57
10	Electrochemical synthesis of NiFe2O4 nanoparticles: Characterization and their catalytic applications. Journal of Alloys and Compounds, 2012, 536, S241-S244.	5.5	52
11	Electroactive polymer films for stainless steel corrosion protection. Journal of Applied Electrochemistry, 2003, 33, 533-540.	2.9	47
12	Multilayers of PAni/n-TiO2 and PAni on carbon steel and welded carbon steel for corrosion protection. Surface and Coatings Technology, 2016, 289, 23-28.	4.8	42
13	Synthesis and characterization of manganese ferrite nanoparticles obtained by electrochemical/chemical method. Materials and Design, 2016, 111, 646-650.	7.0	37
14	Fenton-like degradation enhancement of methylene blue dye with magnetic heating induction. Journal of Electroanalytical Chemistry, 2020, 879, 114773.	3.8	37
15	Influence of the temperature in the electrochemical synthesis of cobalt ferrites nanoparticles. Journal of Alloys and Compounds, 2012, 536, S222-S225.	5.5	32
16	Magnetic conducting composites based on polypyrrol and iron oxide nanoparticles synthesized via electrochemistry. Journal of Magnetism and Magnetic Materials, 2009, 321, 2115-2120.	2.3	31
17	Comparison of ferrite nanoparticles obtained electrochemically for catalytical reduction of hydrogen peroxide. Journal of Solid State Electrochemistry, 2016, 20, 1191-1198.	2.5	30
18	New Insights into the Electrochemical Formation of Magnetite Nanoparticles. Journal of the Electrochemical Society, 2017, 164, D184-D191.	2.9	26

#	Article	IF	Citations
19	Electrodeposition of polythiophene assisted by sonochemistry and incorporation of fluorophores in the polymeric matrix. Ultrasonics Sonochemistry, 2007, 14, 653-660.	8.2	25
20	Organosilanes and polypyrrole as anticorrosive treatment of aluminium 2024. Journal of Applied Electrochemistry, 2009, 39, 2385-2395.	2.9	25
21	Magnetite as a platform material in the detection of glucose, ethanol and cholesterol. Sensors and Actuators B: Chemical, 2017, 238, 693-701.	7.8	25
22	Electrogeneration of polypyrrole-carboxymethylcellulose composites: electrochemical, microgravimetric and morphological studies. Electrochimica Acta, 1998, 43, 1089-1100.	5.2	24
23	Comparison of different methodologies for obtaining nickel nanoferrites. Journal of Magnetism and Magnetic Materials, 2014, 361, 118-125.	2.3	22
24	Effect of the low magnetic field on the electrodeposition of CoxNi100â^'x alloys. Materials Characterization, 2015, 105, 136-143.	4.4	22
25	Magnetic Nanoparticles-Based Conducting Polymer Nanocomposites. Springer Series on Polymer and Composite Materials, 2017, , 45-80.	0.7	19
26	Design, Construction and Evaluation of a 3D Printed Electrochemical Flow Cell for the Synthesis of Magnetite Nanoparticles. Journal of the Electrochemical Society, 2018, 165, H688-H697.	2.9	19
27	Preparation and characterisation of Ni-cyclam-modified spani electrodes for electrocatalysis of methanol oxidation. Journal of Electroanalytical Chemistry, 2008, 614, 8-14.	3.8	17
28	Catalytic properties of nickel ferrites for oxidation of glucose, Î²-nicotiamide adenine dinucleotide (NADH) and methanol. Journal of Alloys and Compounds, 2014, 586, S511-S515.	5.5	17
29	Adsorption of chromium(VI) onto electrochemically obtained magnetite nanoparticles. International Journal of Environmental Science and Technology, 2015, 12, 4017-4024.	3.5	13
30	Evidence of cathodic peroxydisulfate activation via electrochemical reduction at Fe(II) sites of magnetite-decorated porous carbon: Application to dye degradation in water. Journal of Electroanalytical Chemistry, 2021, 902, 115807.	3.8	12
31	Characterization and corrosion behaviour of CoNi alloys obtained by mechanical alloying. Materials Characterization, 2014, 93, 79-86.	4.4	10
32	Morphological and electrochemical characterisation of graphite electrodes coated with SPANI and Ni-cyclam. Journal of Solid State Electrochemistry, 2009, 13, 861-867.	2.5	4
33	Improved magnetosensor for the detection of hydrogen peroxide and glucose. Journal of Solid State Electrochemistry, 2021, 25, 231-236.	2.5	4
34	Direct 3D printing of zero valent iron@polylactic acid catalyst for tetracycline degradation with magnetically inducing active persulfate. Science of the Total Environment, 2022, 806, 150917.	8.0	4
35	Layered double hydroxides intercalated with methyl orange as a controlled-release corrosion inhibitor for iron in chloride media. Nano Express, 2021, 2, 010017.	2.4	3
36	The role of the temperature in the morphology and properties of zinc oxide structures obtained by electrosynthesis in aqueous solution. Materials Chemistry and Physics, 2016, 181, 367-374.	4.0	2