

# Pilar H Herrasti Gonzalez

## List of Publications by Year in descending order

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36  
papers

1,636  
citations

304743

22  
h-index

345221

36  
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36  
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36  
docs citations

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times ranked

1888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct 3D printing of zero valent iron@polylactic acid catalyst for tetracycline degradation with magnetically inducing active persulfate. <i>Science of the Total Environment</i> , 2022, 806, 150917.	8.0	4
2	Improved magnetosensor for the detection of hydrogen peroxide and glucose. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 231-236.	2.5	4
3	Layered double hydroxides intercalated with methyl orange as a controlled-release corrosion inhibitor for iron in chloride media. <i>Nano Express</i> , 2021, 2, 010017.	2.4	3
4	Evidence of cathodic peroxydisulfate activation via electrochemical reduction at Fe(II) sites of magnetite-decorated porous carbon: Application to dye degradation in water. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115807.	3.8	12
5	Fenton-like degradation enhancement of methylene blue dye with magnetic heating induction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114773.	3.8	37
6	Design, Construction and Evaluation of a 3D Printed Electrochemical Flow Cell for the Synthesis of Magnetite Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2018, 165, H688-H697.	2.9	19
7	New Insights into the Electrochemical Formation of Magnetite Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2017, 164, D184-D191.	2.9	26
8	Magnetic Nanoparticles-Based Conducting Polymer Nanocomposites. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 45-80.	0.7	19
9	Magnetite as a platform material in the detection of glucose, ethanol and cholesterol. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 693-701.	7.8	25
10	The role of the temperature in the morphology and properties of zinc oxide structures obtained by electrosynthesis in aqueous solution. <i>Materials Chemistry and Physics</i> , 2016, 181, 367-374.	4.0	2
11	Synthesis and characterization of manganese ferrite nanoparticles obtained by electrochemical/chemical method. <i>Materials and Design</i> , 2016, 111, 646-650.	7.0	37
12	Multilayers of PANi/n-TiO <sub>2</sub> and PANi on carbon steel and welded carbon steel for corrosion protection. <i>Surface and Coatings Technology</i> , 2016, 289, 23-28.	4.8	42
13	Comparison of ferrite nanoparticles obtained electrochemically for catalytical reduction of hydrogen peroxide. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1191-1198.	2.5	30
14	Adsorption of chromium(VI) onto electrochemically obtained magnetite nanoparticles. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 4017-4024.	3.5	13
15	Effect of the low magnetic field on the electrodeposition of Co <sub>x</sub> Ni <sub>100-x</sub> alloys. <i>Materials Characterization</i> , 2015, 105, 136-143.	4.4	22
16	Characterization and corrosion behaviour of CoNi alloys obtained by mechanical alloying. <i>Materials Characterization</i> , 2014, 93, 79-86.	4.4	10
17	Comparison of different methodologies for obtaining nickel nanoferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 361, 118-125.	2.3	22
18	Corrosion behaviour of API 5LX52 steel in HCl and H <sub>2</sub> SO <sub>4</sub> media in the presence of 1,3-dibencilimidazolium acetate and 1,3-dibencilimidazolium dodecanoate ionic liquids as inhibitors. <i>Materials Chemistry and Physics</i> , 2014, 147, 191-197.	4.0	81

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19	Catalytic properties of nickel ferrites for oxidation of glucose, $\hat{I}^2$ -nicotiamide adenine dinucleotide (NADH) and methanol. Journal of Alloys and Compounds, 2014, 586, S511-S515.	5.5	17
20	Electrochemical synthesis of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles: Characterization and their catalytic applications. Journal of Alloys and Compounds, 2012, 536, S241-S244.	5.5	52
21	Synthesis and characterization of CoFe <sub>2</sub> O <sub>4</sub> ferrite nanoparticles obtained by an electrochemical method. Nanotechnology, 2012, 23, 355708.	2.6	66
22	Influence of the temperature in the electrochemical synthesis of cobalt ferrites nanoparticles. Journal of Alloys and Compounds, 2012, 536, S222-S225.	5.5	32
23	Electrodeposition of polypyrrole-titanate nanotube composites coatings and their corrosion resistance. Electrochimica Acta, 2011, 56, 1323-1328.	5.2	68
24	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
25	Organosilanes and polypyrrole as anticorrosive treatment of aluminium 2024. Journal of Applied Electrochemistry, 2009, 39, 2385-2395.	2.9	25
26	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
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	Magnetite nanoparticles: Electrochemical synthesis and characterization. Electrochimica Acta, 2008, 53, 3436-3441.	5.2	293
29	Electrodeposition of polythiophene assisted by sonochemistry and incorporation of fluorophores in the polymeric matrix. Ultrasonics Sonochemistry, 2007, 14, 653-660.	8.2	25
30	Electrodeposition of homogeneous and adherent polypyrrole on copper for corrosion protection. Electrochimica Acta, 2007, 52, 6496-6501.	5.2	91
31	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
32	Corrosion performance of conducting polymer coatings applied on mild steel. Corrosion Science, 2005, 47, 649-662.	6.6	183
33	Electrochemical and mechanical properties of polypyrrole coatings on steel. Electrochimica Acta, 2004, 49, 3693-3699.	5.2	57
34	Electroactive polymer films for stainless steel corrosion protection. Journal of Applied Electrochemistry, 2003, 33, 533-540.	2.9	47
35	Polypyrrole layers for steel protection. Applied Surface Science, 2001, 172, 276-284.	6.1	122
36	Electrogeneration of polypyrrole-carboxymethylcellulose composites: electrochemical, microgravimetric and morphological studies. Electrochimica Acta, 1998, 43, 1089-1100.	5.2	24