

Maria Helena Rm Mendonça

List of Publications by Year in descending order

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36
papers

1,365
citations

430874

18
h-index

345221

36
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36
all docs

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docs citations

36
times ranked

2133
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and morphological characterization of FeCo ₂ O ₄ and CoFe ₂ O ₄ spinels prepared by a coprecipitation method. <i>Solid State Sciences</i> , 2003, 5, 383-392.	3.2	257
2	Photocatalytic decolorization of methylene blue in the presence of TiO ₂ /ZnS nanocomposites. <i>Journal of Hazardous Materials</i> , 2009, 161, 545-550.	12.4	187
3	Photosensitization of TiO ₂ by Ag ₂ S and its catalytic activity on phenol photodegradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 204, 168-173.	3.9	107
4	Influence of calcination parameters on the TiO ₂ photocatalytic properties. <i>Materials Chemistry and Physics</i> , 2011, 125, 20-25.	4.0	83
5	Effect of the partial replacement of Fe by Ni and/or Mn on the electrocatalytic activity for oxygen evolution of the CoFe ₂ O ₄ spinel oxide electrode. <i>Electrochimica Acta</i> , 2002, 47, 4307-4314.	5.2	76
6	The atmospheric corrosion of copper at two sites in Portugal: a comparative study. <i>Corrosion Science</i> , 2004, 46, 547-561.	6.6	59
7	Preparation and electrochemical characterization of spinel type Fe ²⁺ /Co ₃ O ₄ thin film electrodes in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 4936-4944.	7.1	52
8	Physicochemical and electrocatalytic properties of Li-Co ₃ O ₄ anodes prepared by chemical spray pyrolysis for application in alkaline water electrolysis. <i>Electrochimica Acta</i> , 2004, 49, 1555-1563.	5.2	50
9	Zn ²⁺ /TiO ₂ composite films prepared by pulsed electrodeposition. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 190-196.	2.5	47
10	Effect of the electropolymerisation conditions on the electrochemical, morphological and structural properties of PEDOT _h films. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 417-426.	2.5	42
11	Preparation and characterisation of spinel oxide ferrites suitable for oxygen evolution anodes. <i>Solid State Sciences</i> , 2002, 4, 175-182.	3.2	40
12	Hyperthermia studies of ferrite nanoparticles synthesized in the presence of cotton. <i>New Journal of Chemistry</i> , 2015, 39, 7182-7193.	2.8	40
13	Adsorption and catalytic properties of SiO ₂ /Bi ₂ S ₃ nanocomposites on the methylene blue photodecolorization process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 328, 107-113.	4.7	36
14	Corrosion of brass in natural and artificial seawater. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 1353-1359.	2.9	32
15	Electrochemical oxidation of paraquat in neutral medium. <i>Electrochimica Acta</i> , 2015, 176, 1010-1018.	5.2	25
16	Electrochemical behaviour of Fe _x Co _{3-x} O ₄ with (x=0, 1, 2 and 3) oxides thin film electrodes in alkaline medium. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 2469-2479.	2.9	24
17	Copper corrosion in soil: influence of chloride contents, aeration and humidity. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1757-1765.	2.5	19
18	Synthesis, optical, and photocatalytic properties of a new visible-light-active ZnFe ₂ O ₄ /TiO ₂ nanocomposite material. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	18

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19	Studies on Fe ²⁺ /Co spinel electrodes. Solid State Sciences, 2007, 9, 744-749.	3.2	16
20	Phenol electrooxidation on Fe ²⁺ /Co ₃ O ₄ thin film electrodes in alkaline medium. Chemosphere, 2012, 86, 341-347.	8.2	16
21	Iron sulfide electrodeposits: effect of heat treatment on composition and structure. Journal of Solid State Electrochemistry, 2000, 4, 168-176.	2.5	15
22	Electrochemical impedance spectroscopy investigation of spinel type cobalt oxide thin film electrodes in alkaline medium. Journal of Applied Electrochemistry, 2008, 38, 1485-1494.	2.9	15
23	Corrosion of brass in natural and artificial seawater under anaerobic conditions. Journal of Applied Electrochemistry, 2008, 38, 627-635.	2.9	14
24	Influence of the Environment on the Atmospheric Corrosion of Bronze. Journal of Applied Electrochemistry, 2004, 34, 989-995.	2.9	12
25	Preparation of lead and tin oxide thin films by spin coating and their application on the electrodegradation of organic pollutants. Journal of Solid State Electrochemistry, 2006, 10, 41-47.	2.5	12
26	Effect of the substrate on the electrodeposition of iron sulphides. Solid State Sciences, 2002, 4, 1083-1088.	3.2	9
27	Preparation and characterisation of spinel type cobalt and rhodium oxide coatings on titanium. Materials Chemistry and Physics, 2005, 92, 526-533.	4.0	9
28	Characterization of two Roman coins from an archaeological site in Portugal. Materials and Corrosion - Werkstoffe Und Korrosion, 2010, 61, 205-210.	1.5	8
29	Cathodic behaviour of CoFe ₂ O ₄ spinel electrodes in alkaline medium. Journal of Applied Electrochemistry, 2011, 41, 731-740.	2.9	8
30	Voltammetric study of the Fe-S-Ebonex [®] system. Journal of Applied Electrochemistry, 1995, 25, 1045-1051.	2.9	7
31	Characterisation of five coins from the archaeological heritage of Portugal. Journal of Solid State Electrochemistry, 2010, 14, 495-503.	2.5	7
32	Preparation and characterization of KTa _{0.9} Fe _{0.1} O ₃ perovskite electrodes. Journal of Solid State Electrochemistry, 2001, 5, 495-501.	2.5	6
33	Studies on the KTa _{1-x} Fe _x O ₃ system. Materials Chemistry and Physics, 2006, 96, 211-216.	4.0	6
34	Electrodeposition of Mackinawite films on Ti: effects of the S ₂ O ₃ ²⁻ /Fe ²⁺ mole ratio in the solution. Electrochimica Acta, 2004, 49, 2155-2165.	5.2	4
35	Caracterizaç�o atrav�s de an�lise qu�mica da escultura portuguesa sobre madeira de produ�o erudita e de produ�o popular da �poca barroca. Quimica Nova, 2013, 36, 21-26.	0.3	4
36	Studies of the spinel solid solution CO ₂ Ru _{1-x} Fe _x O ₄ . Journal of Materials Chemistry, 1994, 4, 515-517.	6.7	3