

Eva Mazario

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,151
citations

394421

19
h-index

395702

33
g-index

42
all docs

42
docs citations

42
times ranked

1870
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation effects on the magnetic properties of iron oxide colloids. <i>Nanotechnology</i> , 2019, 30, 112001.	2.6	131
2	Magnetic Hyperthermia Properties of Electrosynthesized Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11405-11411.	3.1	95
3	Corrosion behaviour of API 5LX52 steel in HCl and H ₂ SO ₄ 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
4	Synthesis and characterization of CoFe ₂ O ₄ ferrite nanoparticles obtained by an electrochemical method. <i>Nanotechnology</i> , 2012, 23, 355708.	2.6	66
5	Synthesis and structural characterization of Zn _x Fe _{3x} O ₄ ferrite nanoparticles obtained by an electrochemical method. <i>RSC Advances</i> , 2016, 6, 40067-40076.	3.6	62
6	High Specific Absorption Rate and Transverse Relaxivity Effects in Manganese Ferrite Nanoparticles Obtained by an Electrochemical Route. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6828-6834.	3.1	53
7	How size, shape and assembly of magnetic nanoparticles give rise to different hyperthermia scenarios. <i>Nanoscale</i> , 2021, 13, 15631-15646.	5.6	53
8	Electrochemical synthesis of NiFe ₂ O ₄ nanoparticles: Characterization and their catalytic applications. <i>Journal of Alloys and Compounds</i> , 2012, 536, S241-S244.	5.5	52
9	One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles. <i>RSC Advances</i> , 2014, 4, 48353-48361.	3.6	46
10	Superparamagnetic nanosorbent for water purification: Assessment of the adsorptive removal of lead and methyl orange from aqueous solutions. <i>Science of the Total Environment</i> , 2020, 711, 134644.	8.0	38
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	Highly efficient and selective extraction of uranium from aqueous solution using a magnetic device: succinyl- β -cyclodextrin-APTES@magnetite nanoparticles. <i>Environmental Science: Nano</i> , 2018, 5, 158-168.	4.3	37
13	Fenton-like degradation enhancement of methylene blue dye with magnetic heating induction. <i>Journal of Electroanalytical Chemistry</i> , 2020, 879, 114773.	3.8	37
14	Effect of the Surface Charge on the Adsorption Capacity of Chromium(VI) of Iron Oxide Magnetic Nanoparticles Prepared by Microwave-Assisted Synthesis. <i>Water (Switzerland)</i> , 2019, 11, 2372.	2.7	34
15	Influence of the temperature in the electrochemical synthesis of cobalt ferrites nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 536, S222-S225.	5.5	32
16	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
17	Cation distribution of cobalt ferrite electrosynthesized nanoparticles. A methodological comparison. <i>Journal of Alloys and Compounds</i> , 2018, 739, 909-917.	5.5	26
18	Improvement in Heavy Metal Removal from Wastewater Using an External Magnetic Inductor. <i>Nanomaterials</i> , 2019, 9, 1508.	4.1	23

#	ARTICLE	IF	CITATIONS
19	New insights into the structural analysis of maghemite and (MFe ₂ O ₄ , M = Co,) Tj ETQq1 1 0.784314 rgBT /D Frontiers, 2020, 4, 3063-3073.	5.9	22
20	Maghemite nanoparticles coated with human serum albumin: combining targeting by the iron-acquisition pathway and potential in photothermal therapies. Journal of Materials Chemistry B, 2017, 5, 3154-3162.	5.8	18
21	Chemically synthesized Au@Fe ₃ O ₄ nanostructures with controlled optical and magnetic properties. Journal Physics D: Applied Physics, 2015, 48, 035502.	2.8	17
22	Engineering Iron Oxide Nanocatalysts by a Microwave-Assisted Polyol Method for the Magnetically Induced Degradation of Organic Pollutants. Nanomaterials, 2021, 11, 1052.	4.1	17
23	The Impact of Dihydrogen Phosphate Anions on the Excited-State Proton Transfer of Harmone. Effect of β -Cyclodextrin on These Photoreactions. Journal of Physical Chemistry A, 2012, 116, 207-214.	2.5	16
24	Elongated magnetic nanoparticles with high-aspect ratio: a nuclear relaxation and specific absorption rate investigation. Physical Chemistry Chemical Physics, 2019, 21, 18741-18752.	2.8	15
25	TRAIL acts synergistically with iron oxide nanocluster-mediated magneto- and photothermia. Theranostics, 2019, 9, 5924-5936.	10.0	14
26	Adsorption of chromium(VI) onto electrochemically obtained magnetite nanoparticles. International Journal of Environmental Science and Technology, 2015, 12, 4017-4024.	3.5	13
27	Functionalization of Iron Oxide Nanoparticles With HSA Protein for Thermal Therapy. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	12
28	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
29	Synthesis of bis(amidoxime)s and evaluation of their properties as uranyl-complexing agents. Tetrahedron, 2018, 74, 2641-2649.	1.9	11
30	Maghemite nanoparticles bearing di(amidoxime) groups for the extraction of uranium from wastewaters. AIP Advances, 2017, 7, .	1.3	7
31	Highly Efficient T2 Cobalt Ferrite Nanoparticles Vectorized for Internalization in Cancer Cells. Pharmaceuticals, 2021, 14, 124.	3.8	7
32	Pitting corrosion and stress corrosion cracking study in high strength steels in alkaline media. Journal of Solid State Electrochemistry, 2016, 20, 1223-1227.	2.5	6
33	New Iron Oxide Nanoparticles Catechol-Grafted with Bis(amidoxime)s for Uranium(VI) Depletion of Aqueous Solution. Journal of Nanoscience and Nanotechnology, 2019, 19, 4911-4919.	0.9	6
34	Design of hybrid gradient porous surfaces with magnetic nanoparticles. Polymer, 2015, 70, 100-108.	3.8	5
35	Electrocatalytic Activity of Nanohybrids Based on Carbon Nanomaterials and MFe ₂ O ₄ (M=Co, Mn) towards the Reduction of Hydrogen Peroxide. Electroanalysis, 2018, 30, 1621-1626.	2.9	5
36	Improved magnetosensor for the detection of hydrogen peroxide and glucose. Journal of Solid State Electrochemistry, 2021, 25, 231-236.	2.5	4

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Novel, simple, and environmentally safe method for wastewater pollutant removal. <i>Journal of Water Process Engineering</i> , 2021, 42, 102181.	5.6	1
41	Multifunctionality of maghemite nanoparticles functionalized by HSA for drug delivery. , 2017, , .		0