

Oscar Moscoso Londoño

List of Publications by Year in descending order

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papers

507
citations

623188

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32
docs citations

32
times ranked

862
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of the anisotropy energy obtained from temperature dependent AC and DC magnetometry in iron oxide nanoparticles (IONPs) with controlled dipolar interactions. Journal of Magnetism and Magnetic Materials, 2022, 547, 168790.	1.0	4
2	Design of super-paramagnetic bilayer films based on chitosan and sodium alginate. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100083.	1.6	4
3	Grain size influence upon magnetic behavior at nanoscale. A computational approach. Journal of Magnetism and Magnetic Materials, 2020, 515, 167296.	1.0	2
4	Synthesis of colloidal silver nanoparticles and their bactericidal effects on E. coli, S. epidermidis and oral plaque. Journal of Physics: Conference Series, 2020, 1541, 012017.	0.3	1
5	Weak ferromagnetic component in goethite (\pm -FeOOH) and its relation with microstructural characteristics. Materials Chemistry and Physics, 2020, 246, 122851.	2.0	6
6	Alginate based nanocomposites with magnetic properties. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105936.	3.8	22
7	Exploring the synthesis conditions to control the morphology of gold-iron oxide heterostructures. Nano Research, 2019, 12, 1781-1788.	5.8	18
8	Fe ₃ O ₄ @SiO ₂ Nanoparticles Concurrently Coated with Chitosan and GdOF:Ce ³⁺ , Tb ³⁺ Luminophore for Bioimaging: Toxicity Evaluation in the Zebrafish Model. ACS Applied Nano Materials, 2019, 2, 3414-3425.	2.4	23
9	Significant coercivity enhancement at low temperatures in magnetically oriented cobalt ferrite nanoparticles. Applied Physics Letters, 2019, 115, .	1.5	8
10	Tuning dipolar magnetic interactions by controlling individual silica coating of iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 451, 688-696.	1.0	33
11	Magnetic Remote Activation of Shape Recovery in Nanocomposites Based on Tung Oil and Styrene. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800311.	0.8	7
12	Structural analysis of magnetic nanocomposites based on chitosan. Polymer Testing, 2018, 72, 202-213.	2.3	19
13	Small-Angle X-Ray Scattering to Analyze the Morphological Properties of Nanoparticulated Systems. , 2018, , 37-75.		7
14	Step-by-step synthesis of iron-oxide nanoparticles attached to graphene oxide: A study on the composite properties and architecture. Materials Research Bulletin, 2018, 107, 255-263.	2.7	14
15	Magnetic nanocomposites based on shape memory polyurethanes. European Polymer Journal, 2018, 109, 8-15.	2.6	26
16	Strategies to tailor the architecture of dual Ag/Fe-oxide nano-heterocrystalsâ€™ interfacial and morphology effects on the magnetic behavior. Journal Physics D: Applied Physics, 2018, 51, 295303.	1.3	7
17	Building block magneto-luminescent nanomaterials of iron-oxide/ZnS@LaF ₃ :Ce ³⁺ , Gd ³⁺ , Tb ³⁺ with green emission. Journal of Materials Chemistry C, 2017, 5, 2282-2290.	2.7	25
18	Consequences of Magnetic Interaction Phenomena in Granular Systems. , 2017, , 1-38.		2

#	ARTICLE	IF	CITATIONS
19	Synthesis and magnetic properties of cobalt-iron/cobalt-ferrite soft/hard magnetic core/shell nanowires. <i>Nanotechnology</i> , 2017, 28, 245605.	1.3	13
20	Different approaches to analyze the dipolar interaction effects on diluted and concentrated granular superparamagnetic systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 428, 105-118.	1.0	38
21	Synthesis process, size and composition effects of spherical Fe ₃ O ₄ and FeO@Fe ₃ O ₄ core/shell nanoparticles. <i>New Journal of Chemistry</i> , 2017, 41, 15033-15041.	1.4	18
22	Effects of Nanostructure and Dipolar Interactions on Magnetohyperthermia in Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12796-12809.	1.5	49
23	Surface and interface interplay on the oxidizing temperature of iron oxide and Au-iron oxide core-shell nanoparticles. <i>RSC Advances</i> , 2016, 6, 70394-70404.	1.7	11
24	Optical and magnetic nanocomposites containing Fe ₃ O ₄ @SiO ₂ grafted with Eu ³⁺ and Tb ³⁺ complexes. <i>Journal of Alloys and Compounds</i> , 2016, 686, 453-466.	2.8	21
25	Magnetism and structure of nanocomposites made from magnetite and vegetable oil based polymeric matrices. <i>Materials Chemistry and Physics</i> , 2016, 175, 81-91.	2.0	12
26	Polymer-assisted size control of water-dispersible iron oxide nanoparticles in range between 15 and 100nm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 464, 46-51.	2.3	23
27	Physicochemical Studies of Complex Silver-Magnetite Nanoheterodimers with Controlled Morphology. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13168-13176.	1.5	17
28	The Effect of Coated-Fe ₃ O ₄ Nanoparticles on Magnetic Properties of Ferrogels Produced by Diffusion Route. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4551-4554.	1.2	10
29	Magnetic Properties of γ -Fe ₂ O ₃ Nanoparticles at the Verge of Nucleation Process. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4555-4558.	1.2	1
30	Structural and magnetic behavior of ferrogels obtained by freezing thawing of polyvinyl alcohol/poly(acrylic acid) (PAA)-coated iron oxide nanoparticles. <i>European Polymer Journal</i> , 2013, 49, 279-289.	2.6	41
31	One-step room temperature synthesis of very small γ -Fe ₂ O ₃ nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 3474-3478.	2.7	12
32	Thermal and magnetic behavior of <i>Angustifolia</i> Kunth bamboo fibers covered with Fe ₃ O ₄ particles. <i>Physica B: Condensed Matter</i> , 2012, 407, 3267-3270.	1.3	13