

# Oscar Moscoso Londoño

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

507  
citations

623188

14  
h-index

676716

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

862  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Tuning dipolar magnetic interactions by controlling individual silica coating of iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 688-696.	1.0	33
5	Magnetic nanocomposites based on shape memory polyurethanes. <i>European Polymer Journal</i> , 2018, 109, 8-15.	2.6	26
6	Building block magneto-luminescent nanomaterials of iron-oxide/ZnS@LaF <sub>3</sub> :Ce <sup>3+</sup> ,Gd <sup>3+</sup> ,Tb <sup>3+</sup> with green emission. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2282-2290.	2.7	25
7	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
8	Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticles Concurrently Coated with Chitosan and GdOF:Ce <sup>3+</sup> ,Tb <sup>3+</sup> Luminophore for Bioimaging: Toxicity Evaluation in the Zebrafish Model. <i>ACS Applied Nano Materials</i> , 2019, 2, 3414-3425.	2.4	23
9	Alginate based nanocomposites with magnetic properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105936.	3.8	22
10	Optical and magnetic nanocomposites containing Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> grafted with Eu <sup>3+</sup> and Tb <sup>3+</sup> complexes. <i>Journal of Alloys and Compounds</i> , 2016, 686, 453-466.	2.8	21
11	Structural analysis of magnetic nanocomposites based on chitosan. <i>Polymer Testing</i> , 2018, 72, 202-213.	2.3	19
12	Synthesis process, size and composition effects of spherical Fe <sub>3</sub> O <sub>4</sub> and FeO@Fe <sub>3</sub> O <sub>4</sub> core/shell nanoparticles. <i>New Journal of Chemistry</i> , 2017, 41, 15033-15041.	1.4	18
13	Exploring the synthesis conditions to control the morphology of gold-iron oxide heterostructures. <i>Nano Research</i> , 2019, 12, 1781-1788.	5.8	18
14	Physicochemical Studies of Complex Silver-Magnetite Nanoheterodimers with Controlled Morphology. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13168-13176.	1.5	17
15	Step-by-step synthesis of iron-oxide nanoparticles attached to graphene oxide: A study on the composite properties and architecture. <i>Materials Research Bulletin</i> , 2018, 107, 255-263.	2.7	14
16	Thermal and magnetic behavior of Angustifolia Kunth bamboo fibers covered with Fe <sub>3</sub> O <sub>4</sub> particles. <i>Physica B: Condensed Matter</i> , 2012, 407, 3267-3270.	1.3	13
17	Synthesis and magnetic properties of cobalt-iron/cobalt-ferrite soft/hard magnetic core/shell nanowires. <i>Nanotechnology</i> , 2017, 28, 245605.	1.3	13
18	One-step room temperature synthesis of very small $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Materials Research Bulletin</i> , 2013, 48, 3474-3478.	2.7	12

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	The Effect of Coated- $\text{Fe}_3\text{O}_4$ Nanoparticles on Magnetic Properties of Ferrogels Produced by Diffusion Route. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4551-4554.	1.2	10
22	Significant coercivity enhancement at low temperatures in magnetically oriented cobalt ferrite nanoparticles. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	8
23	Magnetic Remote Activation of Shape Recovery in Nanocomposites Based on Tung Oil and Styrene. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800311.	0.8	7
24	Small-Angle X-Ray Scattering to Analyze the Morphological Properties of Nanoparticulated Systems. , 2018, , 37-75.		7
25	Strategies to tailor the architecture of dual Ag/Fe-oxide nano-heterocrystals' interfacial and morphology effects on the magnetic behavior. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 295303.	1.3	7
26	Weak ferromagnetic component in goethite ( $\text{FeOOH}$ ) and its relation with microstructural characteristics. <i>Materials Chemistry and Physics</i> , 2020, 246, 122851.	2.0	6
27	Design of super-paramagnetic bilayer films based on chitosan and sodium alginate. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100083.	1.6	4
28	Comparison of the anisotropy energy obtained from temperature dependent AC and DC magnetometry in iron oxide nanoparticles (IONPs) with controlled dipolar interactions. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 547, 168790.	1.0	4
29	Consequences of Magnetic Interaction Phenomena in Granular Systems. , 2017, , 1-38.		2
30	Grain size influence upon magnetic behavior at nanoscale. A computational approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 515, 167296.	1.0	2
31	Magnetic Properties of $\gamma\text{-Fe}_2\text{O}_3$ Nanoparticles at the Verge of Nucleation Process. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 4555-4558.	1.2	1
32	Synthesis of colloidal silver nanoparticles and their bactericidal effects on E. coli, S. epidermidis and oral plaque. <i>Journal of Physics: Conference Series</i> , 2020, 1541, 012017.	0.3	1