

Daniel Ortega

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	1,700 citations	18 h-index	41 g-index
49 ext. papers	1,948 ext. citations	4.8 avg, IF	4.74 L-index

#	Paper	IF	Citations
46	Fundamentals and advances in magnetic hyperthermia. <i>Applied Physics Reviews</i> , 2015 , 2, 041302	17.3	469
45	High performance multi-core iron oxide nanoparticles for magnetic hyperthermia: microwave synthesis, and the role of core-to-core interactions. <i>Nanoscale</i> , 2015 , 7, 1768-75	7.7	180
44	Superparamagnetic iron oxide nanoparticle targeting of MSCs in vascular injury. <i>Biomaterials</i> , 2013 , 34, 1987-94	15.6	106
43	Structural, optical, XPS and magnetic properties of Zn particles capped by ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015 , 633, 237-245	5.7	92
42	Magnetic hyperthermia. <i>SPR Nanoscience</i> , 2012 , 60-88	3	91
41	Engineering Iron Oxide Nanoparticles for Clinical Settings. <i>Nanobiomedicine</i> , 2014 , 1, 2	4.8	76
40	Elucidating the morphological and structural evolution of iron oxide nanoparticles formed by sodium carbonate in aqueous medium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12498		70
39	Real-time tracking of delayed-onset cellular apoptosis induced by intracellular magnetic hyperthermia. <i>Nanomedicine</i> , 2016 , 11, 121-36	5.6	69
38	In Vivo Early Tumor Detection and Diagnosis by Infrared Luminescence Transient Nanothermometry. <i>Advanced Functional Materials</i> , 2018 , 28, 1803924	15.6	54
37	Unraveling viscosity effects on the hysteresis losses of magnetic nanocubes. <i>Nanoscale</i> , 2017 , 9, 5094-5101	10.1	53
36	Influence of the aggregation, concentration, and viscosity on the nanomagnetism of iron oxide nanoparticle colloids for magnetic hyperthermia. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	42
35	Fe ₂ O ₃ /SiO ₂ nanocomposites for magneto-optical applications: Nanostructural and magnetic properties. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2801-2810	3.9	41
34	Whither Magnetic Hyperthermia? A Tentative Roadmap. <i>Materials</i> , 2021 , 14,	3.5	39
33	Electric field-assisted levitation-jet aerosol synthesis of Ni/NiO nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 11214		34
32	Current Outlook and Perspectives on Nanoparticle-Mediated Magnetic Hyperthermia 2018 , 197-245		31
31	Laser Power Dependent Optical Properties of Mono- and Few-Layer MoS ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 6843-6	1.3	24
30	Size and surface effects in the magnetic properties of maghemite and magnetite coated nanoparticles. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 4407-18	3	24

29	Thermal evolution of the ferromagnetic resonance in Fe ₂ O ₃ /SiO ₂ nanocomposites for magneto-optical sensors. <i>Sensors and Actuators A: Physical</i> , 2008 , 142, 554-560	3.9	19
28	Some peculiarities in the magnetic behavior of aerosol generated NiO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013 , 572, 150-157	5.7	18
27	Maghemite-silica nanocomposites: sol-gel processing enhancement of the magneto-optical response. <i>Nanotechnology</i> , 2008 , 19, 475706	3.4	15
26	Challenges and recommendations for magnetic hyperthermia characterization measurements. <i>International Journal of Hyperthermia</i> , 2021 , 38, 447-460	3.7	14
25	Ferromagnetic nanoparticles in Sn-O system. <i>Inorganic Materials</i> , 2014 , 50, 793-802	0.9	13
24	Phase, size and shape controlled formation of aerosol generated nickel and nickel oxide nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 495-501	5.7	13
23	Magneto-optic Faraday effect in maghemite nanoparticles/silica matrix nanocomposites prepared by the Sol-Gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e725-e729	2.8	13
22	Rapid magnetic cell delivery for large tubular bioengineered constructs. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 3008-16	4.1	12
21	Ferromagnetic Zn/ZnO nanoparticles. <i>Inorganic Materials</i> , 2014 , 50, 369-378	0.9	10
20	Thermal relaxation and collective dynamics of interacting aerosol-generated hexagonal NiFe ₂ O ₄ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20830-8	3.6	10
19	Nonylphenol polyethoxylate coated body-center-cubic iron nanocrystals for ferrofluids with technical applications. <i>Journal of Applied Physics</i> , 2013 , 113, 17B505	2.5	10
18	Unveiling the role of surface, size, shape and defects of iron oxide nanoparticles for theranostic applications. <i>Nanoscale</i> , 2021 , 13, 14552-14571	7.7	7
17	Room temperature spontaneous magnetization in calcined trioctylphosphine-ZnO nanoparticles. <i>Journal of Applied Physics</i> , 2012 , 111, 07C314	2.5	6
16	Room-temperature spontaneous magnetization in a nanostructured TiO ₂ /Al system prepared by ball-milling. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S287-S290	5.7	5
15	Magnetic and structural characterization of thiol capped ferromagnetic Ag nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 09E317	2.5	5
14	Structure and Magnetism in Magnetic Nanoparticles 2012 , 3-44		5
13	Mössbauer study of multiphase iron oxide composites. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5261-5263	3.9	4
12	Reaching Deeper: Absolute In Vivo Thermal Reading of Liver by Combining Superbright AgS Nanothermometers and In Silico Simulations. <i>Advanced Science</i> , 2021 , 8, 2003838	13.6	4

11	Instrumentation for Magnetic Hyperthermia 2019 , 111-138		3
10	Suppression and enhancement of the ferromagnetic response in Fe-doped ZnO nanoparticles by calcination of organic nitrogen, phosphorus, and sulfur compounds. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	3
9	Relationship between nanoparticle growth and magnetic properties of magnetic nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5213-5215	3.9	3
8	In silico assessment of collateral eddy current heating in biocompatible implants subjected to magnetic hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2021 , 38, 846-861	3.7	3
7	Structural, optical, magnetic, and XPS properties of SnOx nanoparticles. <i>Solid State Sciences</i> , 2022 , 126, 106854	3.4	3
6	A two-step process for preparation of dodecanethiol-capped Au nanoparticles with room-temperature spontaneous magnetization. <i>New Journal of Chemistry</i> , 2013 , 37, 2628	3.6	2
5	Ferromagnetic Resonance of Nanocomposites Based on Iron Oxides. <i>Sensor Letters</i> , 2007 , 5, 69-72	0.9	2
4	Structure modifications during thermal processing of silicon alkoxide derived silica-iron oxide nanocomposites. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 52, 251-259	2.3	1
3	Implications of nanoparticle concentration and size distribution in the superparamagnetic behaviour of aging-improved maghemite xerogels. <i>European Physical Journal D</i> , 2009 , 52, 19-22	1.3	1
2	Individual particle heating of interacting magnetic nanoparticles at nonzero temperature. <i>Nanoscale</i> , 2021 , 13, 14734-14744	7.7	1
1	Biomedical Applications of Magnetic Nanoparticles 2015 , 1-19		