

Luis E Fernandez-Outon

List of Publications by Year in descending order

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47
papers

1,245
citations

430442

18
h-index

360668

35
g-index

47
all docs

47
docs citations

47
times ranked

1722
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Tunable magnetothermal properties of cobalt-doped magnetite@carboxymethylcellulose ferrofluids: smart nanoplatforms for potential magnetic hyperthermia applications in cancer therapy. <i>Nanoscale Advances</i> , 2021, 3, 1029-1046. | 2.2 | 25 |
| 2 | Preparation of hybrid nanocomposite particles for medical practices. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126706. | 2.3 | 4 |
| 3 | Radiosensitizing effects of citrate-coated cobalt and nickel ferrite nanoparticles on breast cancer cells. <i>Nanomedicine</i> , 2020, 15, 2823-2836. | 1.7 | 14 |
| 4 | An efficient and simple procedure to prepare chemically stable and partially carbon-cleaned magnetite from solid-state synthesis for clinical practices in medical oncology. <i>Materials Today Communications</i> , 2020, 25, 101612. | 0.9 | 1 |
| 5 | Magnetically induced heating by iron oxide nanoparticles dispersed in liquids of different viscosities. <i>Ceramics International</i> , 2020, 46, 21496-21504. | 2.3 | 7 |
| 6 | Depth-dependent ferromagnetic spin structure and asymmetric magnetization reversal in exchange-biased Fe/FeMn bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 504, 166657. | 1.0 | 0 |
| 7 | Synthesis and characterization of nanocomposites based on rare-earth orthoferrites and iron oxides for magnetic hyperthermia applications. <i>Ceramics International</i> , 2019, 45, 17920-17929. | 2.3 | 14 |
| 8 | A novel hybrid nanoparticle based on Fe ₃ O ₄ /TMAOH/poly(L-co-D,L lactic acid-co-trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 | 0.2 | 2 |
| 9 | Synthesis and characterization of iron oxide nanoparticles/carboxymethyl cellulose core-shell nanohybrids for killing cancer cells in vitro. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 677-691. | 3.6 | 46 |
| 10 | Precession damping in [Co ₆₀ Fe ₄₀ /Pt] ₅ multilayers with varying magnetic homogeneity investigated with femtosecond laser pulses. <i>AIP Advances</i> , 2019, 9, . | 0.6 | 2 |
| 11 | Boron nitride nanotube@NiFe ₂ O ₄ : a highly efficient system for magnetohyperthermia therapy. <i>Nanomedicine</i> , 2019, 14, 3075-3088. | 1.7 | 4 |
| 12 | Facile polyol synthesis of ultrasmall water-soluble cobalt ferrite nanoparticles. <i>Solid State Sciences</i> , 2018, 86, 45-52. | 1.5 | 7 |
| 13 | BNNT/Fe ₃ O ₄ System as an Efficient Tool for Magnetohyperthermia Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 6746-6755. | 0.9 | 11 |
| 14 | Structure, magnetism and magnetic induction heating of Ni _x Co _(1-x) Fe ₂ O ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 758, 247-255. | 2.8 | 18 |
| 15 | Tailoring magnetocrystalline perpendicular anisotropy in Co ₆₀ Fe ₄₀ /Pt multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 467, 139-144. | 1.0 | 7 |
| 16 | Wasp-waisted behavior in magnetic hysteresis curves of CoFe ₂ O ₄ nanopowder at a low temperature: experimental evidence and theoretical approach. <i>RSC Advances</i> , 2017, 7, 22187-22196. | 1.7 | 84 |
| 17 | Ferruginous compounds in the airborne particulate matter of the metropolitan area of Belo Horizonte, Minas Gerais, Brazil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19683-19692. | 2.7 | 7 |
| 18 | Observation of magnons in Mn ₂ Au films by inelastic Brillouin and Raman light scattering. <i>Applied Physics Letters</i> , 2017, 111, . | 1.5 | 19 |

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|----|---|-----|-----------|
| 19 | Growth of carbon structures on chrysotile surface for organic contaminants removal from wastewater. <i>Chemosphere</i> , 2016, 159, 602-609. | 4.2 | 8 |
| 20 | Thermosensitive gemcitabine-magnetoliposomes for combined hyperthermia and chemotherapy. <i>Nanotechnology</i> , 2016, 27, 085105. | 1.3 | 43 |
| 21 | Magnetic adsorbent based on cobalt core nanoparticles coated with carbon filaments and nanotubes produced by chemical vapor deposition with ethanol. <i>Chemical Engineering Journal</i> , 2013, 229, 35-41. | 6.6 | 12 |
| 22 | Magnetic amphiphilic nanocomposites produced via chemical vapor deposition of CH ₄ on Fe@Mo/nano-Al ₂ O ₃ . <i>Applied Catalysis A: General</i> , 2013, 456, 126-134. | 2.2 | 22 |
| 23 | Setting temperature effect in polycrystalline exchange-biased IrMn/CoFe bilayers. <i>Journal of Applied Physics</i> , 2013, 113, 17D704. | 1.1 | 8 |
| 24 | Tuning giant magnetoresistance in rolled-up Co/Cu nanomembranes by strain engineering. <i>Nanoscale</i> , 2012, 4, 7155. | 2.8 | 16 |
| 25 | Magnetic Amphiphilic Composites Applied for the Treatment of Biodiesel Wastewaters. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 513-524. | 1.3 | 22 |
| 26 | Hybrid magnetic amphiphilic composites based on carbon nanotube/nanofibers and layered silicates fragments as efficient adsorbent for ethynilestradiol. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 84-88. | 5.0 | 29 |
| 27 | A new paradigm for exchange bias in polycrystalline thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 883-899. | 1.0 | 400 |
| 28 | NiO Nanoparticles Dispersed in Mesoporous Silica Glass. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18773-18778. | 1.5 | 31 |
| 29 | Magnetic and structural properties of laminated Co ₆₅ Fe ₃₅ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 996-1000. | 1.0 | 5 |
| 30 | Anisotropy dispersion in (CoCrPt) _{1-x} (SiO ₂) _x perpendicular recording media. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2269-2272. | 1.0 | 5 |
| 31 | Antiferromagnetic grain volume effects in metallic polycrystalline exchange bias systems. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 112001. | 1.3 | 74 |
| 32 | Effect of the Ferromagnetic Layer Thickness on the Blocking Temperature in IrMn/CoFe Exchange Couples. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2835-2838. | 1.2 | 12 |
| 33 | Large Exchange Bias IrMn/CoFe for Magnetic Tunnel Junctions. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2824-2827. | 1.2 | 23 |
| 34 | Control of the setting process in CoFe/IrMn exchange bias systems. <i>Journal of Applied Physics</i> , 2008, 104, . | 1.1 | 21 |
| 35 | Magnetic Properties of Nanocrystalline Co Thin Films Grown on Glass. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2788-2791. | 1.2 | 5 |
| 36 | Influence of seed layer on magnetic properties of laminated Co ₆₅ Fe ₃₅ films. <i>Journal of Applied Physics</i> , 2008, 103, 07B514. | 1.1 | 7 |

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|----|--|-----|-----------|
| 37 | Interfacial spin effects on Hex in metallic polycrystalline exchange biased systems. Journal of Applied Physics, 2008, 103, 07C106. | 1.1 | 10 |
| 38 | Interfacial spin order in exchange biased systems. Journal of Applied Physics, 2008, 104, . | 1.1 | 20 |
| 39 | Thermal activation of bulk and interfacial order in exchange biased systems. Journal of Applied Physics, 2008, 103, 07C101. | 1.1 | 3 |
| 40 | Bulk and interfacial effects in exchange bias systems. Journal Physics D: Applied Physics, 2007, 40, 1293-1299. | 1.3 | 19 |
| 41 | Factors Affecting Exchange Bias in Polycrystalline Metallic Thin Films. Materials Research Society Symposia Proceedings, 2007, 1032, 1. | 0.1 | 2 |
| 42 | Measurement of the anisotropy constant of antiferromagnets in metallic polycrystalline exchange biased systems. Applied Physics Letters, 2007, 91, . | 1.5 | 80 |
| 43 | Thermal instabilities in exchange biased materials. Journal of Magnetism and Magnetic Materials, 2006, 303, 296-301. | 1.0 | 39 |
| 44 | The Role of Interfaces in CoFe/IrMn Exchange Biased Systems. IEEE Transactions on Magnetism, 2006, 42, 3008-3010. | 1.2 | 7 |
| 45 | Angular dependence of coercivity and exchange bias in IrMn/CoFe bilayers. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 536-539. | 1.0 | 11 |
| 46 | Thermal phenomena in IrMn exchange biased systems. Journal of Applied Physics, 2004, 95, 6852-6854. | 1.1 | 34 |
| 47 | Application of Nickel Ferrite Nanoparticles in Adsorption of Amoxicillin Antibiotic. Journal of the Brazilian Chemical Society, 0, , . | 0.6 | 5 |