Luis E Fernandez-Outon

List of Publications by Year
in descending order

47	1,245	430442 18	360668 35
papers	citations	h-index	g-index

47	47	47	1722
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new paradigm for exchange bias in polycrystalline thin films. Journal of Magnetism and Magnetic Materials, 2010, 322, 883-899.	1.0	400
2	Wasp-waisted behavior in magnetic hysteresis curves of CoFe₂O₄ nanopowder at a low temperature: experimental evidence and theoretical approach. RSC Advances, 2017, 7, 22187-22196.	1.7	84
3	Measurement of the anisotropy constant of antiferromagnets in metallic polycrystalline exchange biased systems. Applied Physics Letters, 2007, 91, .	1.5	80
4	Antiferromagnetic grain volume effects in metallic polycrystalline exchange bias systems. Journal Physics D: Applied Physics, 2008, 41, 112001.	1.3	74
5	Synthesis and characterization of iron oxide nanoparticles/carboxymethyl cellulose core-shell nanohybrids for killing cancer cells in vitro. International Journal of Biological Macromolecules, 2019, 132, 677-691.	3.6	46
6	Thermosensitive gemcitabine-magnetoliposomes for combined hyperthermia and chemotherapy. Nanotechnology, 2016, 27, 085105.	1.3	43
7	Thermal instabilities in exchange biased materials. Journal of Magnetism and Magnetic Materials, 2006, 303, 296-301.	1.0	39
8	Thermal phenomena in IrMn exchange biased systems. Journal of Applied Physics, 2004, 95, 6852-6854.	1.1	34
9	NiO Nanoparticles Dispersed in Mesoporous Silica Glass. Journal of Physical Chemistry C, 2010, 114, 18773-18778.	1.5	31
10	Hybrid magnetic amphiphilic composites based on carbon nanotube/nanofibers and layered silicates fragments as efficient adsorbent for ethynilestradiol. Journal of Colloid and Interface Science, 2012, 379, 84-88.	5.0	29
11	Tunable magnetothermal properties of cobalt-doped magnetiteâ€“carboxymethylcellulose ferrofluids: smart nanoplatforms for potential magnetic hyperthermia applications in cancer therapy. Nanoscale Advances, 2021, 3, 1029-1046.	2.2	25
12	Large Exchange Bias IrMn/CoFe for Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2008, 44, 2824-2827.	1.2	23
13	Magnetic Amphiphilic Composites Applied for the Treatment of Biodiesel Wastewaters. Applied Sciences (Switzerland), 2012, 2, 513-524.	1.3	22
14	Magnetic amphiphilic nanocomposites produced via chemical vapor deposition of CH4 on Feâ€“Mo/nano-Al2O3. Applied Catalysis A: General, 2013, 456, 126-134.	2.2	22
15	Control of the setting process in CoFe/IrMn exchange bias systems. Journal of Applied Physics, 2008, 104, .	1.1	21
16	Interfacial spin order in exchange biased systems. Journal of Applied Physics, 2008, 104, .	1.1	20
17	Bulk and interfacial effects in exchange bias systems. Journal Physics D: Applied Physics, 2007, 40, 1293-1299.	1.3	19
18	Observation of magnons in Mn2Au films by inelastic Brillouin and Raman light scattering. Applied Physics Letters, 2017, 111, .	1.5	19

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19	Structure, magnetism and magnetic induction heating of Ni x Co (1-x) Fe 2 O 4 nanoparticles. Journal of Alloys and Compounds, 2018, 758, 247-255.	2.8	18
20	Tuning giant magnetoresistance in rolled-up Coâ€“Cu nanomembranes by strain engineering. Nanoscale, 2012, 4, 7155.	2.8	16
21	Synthesis and characterization of nanocomposites based on rare-earth orthoferrites and iron oxides for magnetic hyperthermia applications. Ceramics International, 2019, 45, 17920-17929.	2.3	14
22	Radiosensitizing effects of citrate-coated cobalt and nickel ferrite nanoparticles on breast cancer cells. Nanomedicine, 2020, 15, 2823-2836.	1.7	14
23	Effect of the Ferromagnetic Layer Thickness on the Blocking Temperature in IrMn/CoFe Exchange Couples. IEEE Transactions on Magnetics, 2008, 44, 2835-2838.	1.2	12
24	Magnetic adsorbent based on cobalt core nanoparticles coated with carbon filaments and nanotubes produced by chemical vapor deposition with ethanol. Chemical Engineering Journal, 2013, 229, 35-41.	6.6	12
25	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
26	BNNT/Fe₃O₄ System as an Efficient Tool for Magnetohyperthermia Therapy. Journal of Nanoscience and Nanotechnology, 2018, 18, 6746-6755.	0.9	11
27	Interfacial spin effects on Hex in metallic polycrystalline exchange biased systems. Journal of Applied Physics, 2008, 103, 07C106.	1.1	10
28	Setting temperature effect in polycrystalline exchange-biased IrMn/CoFe bilayers. Journal of Applied Physics, 2013, 113, 17D704.	1.1	8
29	Growth of carbon structures on chrysotile surface for organic contaminants removal from wastewater. Chemosphere, 2016, 159, 602-609.	4.2	8
30	The Role of Interfaces in CoFe/IrMn Exchange Biased Systems. IEEE Transactions on Magnetics, 2006, 42, 3008-3010.	1.2	7
31	Influence of seed layer on magnetic properties of laminated Co65Fe35 films. Journal of Applied Physics, 2008, 103, 07B514.	1.1	7
32	Ferruginous compounds in the airborne particulate matter of the metropolitan area of Belo Horizonte, Minas Gerais, Brazil. Environmental Science and Pollution Research, 2017, 24, 19683-19692.	2.7	7
33	Facile polyol synthesis of ultrasmall water-soluble cobalt ferrite nanoparticles. Solid State Sciences, 2018, 86, 45-52.	1.5	7
34	Tailoring magnetocrystalline perpendicular anisotropy in Co60Fe40/Pt multilayers. Journal of Magnetism and Magnetic Materials, 2018, 467, 139-144.	1.0	7
35	Magnetically induced heating by iron oxide nanoparticles dispersed in liquids of different viscosities. Ceramics International, 2020, 46, 21496-21504.	2.3	7
36	Anisotropy dispersion in (CoCrPt)1â^'x(SiO2)x perpendicular recording media. Journal of Magnetism and Magnetic Materials, 2008, 320, 2269-2272.	1.0	5

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37	Magnetic Properties of Nanocrystalline Co Thin Films Grown on Glass. IEEE Transactions on Magnetics, 2008, 44, 2788-2791.	1.2	5
38	Magnetic and structural properties of laminated Co65Fe35 films. Journal of Magnetism and Magnetic Materials, 2009, 321, 996-1000.	1.0	5
39	Application of Nickel Ferrite Nanoparticles in Adsorption of Amoxicillin Antibiotic. Journal of the Brazilian Chemical Society, 0, , .	0.6	5
40	Boron nitride nanotube@NiFe‹sub›2‹/sub›O‹sub›4‹/sub›: a highly efficient system for magnetohyperthermia therapy. Nanomedicine, 2019, 14, 3075-3088.	1.7	4
41	Preparation of hybrid nanocomposite particles for medical practices. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126706.	2.3	4
42	Thermal activation of bulk and interfacial order in exchange biased systems. Journal of Applied Physics, 2008, 103, 07C101.	1.1	3
43	Factors Affecting Exchange Bias in Polycrystalline Metallic Thin Films. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	2
44	A novel hybrid nanoparticle based on Fe3O4/TMAOH/poly(L-co-D,L lactic acid-co-trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	0.2	2
45	Precession damping in [Co60Fe40/Pt]5 multilayers with varying magnetic homogeneity investigated with femtosecond laser pulses. AIP Advances, 2019, 9, .	0.6	2
46	An efficient and simple procedure to prepare chemically stable and partially carbon-cleaned magnetite from solid-state synthesis for clinical practices in medical oncology. Materials Today Communications, 2020, 25, 101612.	0.9	1
47	Depth-dependent ferromagnetic spin structure and asymmetric magnetization reversal in exchange-biased Fe/FeMn bilayers. Journal of Magnetism and Magnetic Materials, 2020, 504, 166657.	1.0	0