

Ana Dantas

List of Publications by Year in descending order

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papers

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docs citations

58
times ranked

677
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of magnetite nanoparticles by high energy ball milling. Applied Surface Science, 2013, 275, 84-87.	6.1	112
2	Monodisperse sodium oleate coated magnetite high susceptibility nanoparticles for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2014, 364, 72-79.	2.3	92
3	Synthesis of stoichiometric Ca ₂ Fe ₂ O ₅ nanoparticles by high-energy ball milling and thermal annealing. Physica B: Condensed Matter, 2016, 488, 43-48.	2.7	26
4	Surface-induced low-field instability of antiferromagnetic multilayers. Physical Review B, 1999, 59, 1223-1231.	3.2	24
5	Magnetocaloric effect of thin Dy films. Solid State Communications, 2006, 140, 447-451.	1.9	23
6	Interface roughness effects on coercivity and exchange bias. Journal of Applied Physics, 2005, 97, 10K105.	2.5	22
7	Impact of core-shell dipolar interaction on magnetic phases of spherical core-shell nanoparticles. Physical Review B, 2015, 92, .	3.2	22
8	Design of Magnetic Polymeric Particles as a Stimulus-Responsive System for Gastric Antimicrobial Therapy. AAPS PharmSciTech, 2017, 18, 2026-2036.	3.3	15
9	Giant magnetocaloric effect of thin Ho films. Journal of Applied Physics, 2011, 109, .	2.5	14
10	Thermal Hysteresis of Thin Dy Films. IEEE Transactions on Magnetics, 2006, 42, 2942-2944.	2.1	13
11	Magnetic thermal hysteresis in Fe _m /Dy _n /Fe _m /Gd _m /Dy _n /Gd _m trilayers. Physical Review B, 2007, 75, .	3.2	13
12	Thermal hysteresis of ferromagnetic/antiferromagnetic compensated bilayers. Physical Review B, 2009, 80, .	3.2	12
13	Magnetic hysteresis of interface-biased flat iron dots. Physical Review B, 2009, 79, .	3.2	11
14	Magnetic surface phase of thin helimagnetic films. Physical Review B, 2003, 67, .	3.2	10
15	Localization and fractal spectra of optical phonon modes in quasiperiodic structures. Physica A: Statistical Mechanics and Its Applications, 2005, 349, 259-270.	2.6	10
16	Controlling the vortex core of thin Permalloy nano-cylinders dipolar coupled to Co polarizers. Journal of Applied Physics, 2014, 115, 17D110.	2.5	8
17	Local modes of thin magnetic films. Physical Review B, 2000, 62, 8650-8653.	3.2	7
18	Threshold for reorientation of the magnetization in F/AF bilayers. Journal of Magnetism and Magnetic Materials, 2005, 292, 453-461.	2.3	7

#	ARTICLE	IF	CITATIONS
37	Tailoring the vortex core in confined magnetic nanostructures. Journal of Applied Physics, 2012, 111, 07D116.	2.5	3
38	Thermal hysteresis of interface biased dipolar coupled nanoelements. Journal of Applied Physics, 2013, 113, 17D710.	2.5	3
39	Thermal hysteresis of superparamagnetic Gd nanoparticle clusters. Physical Review B, 2019, 99, .	3.2	3
40	Effects of composition on the stability of the magnetic order of ferrimagnetic multilayers. Physical Review B, 2002, 65, .	3.2	2
41	Excitations of domain walls pinned at F/AF interface steps. IEEE Transactions on Magnetism, 2000, 36, 3053-3055.	2.1	1
42	Relaxation of the magnetization from interface defects. Physica B: Condensed Matter, 2004, 353, 287-295.	2.7	1
43	Physical properties of magnetic grains dispersed in anisotropic media. European Physical Journal B, 2006, 50, 581-585.	1.5	1
44	Ferromagnetic resonance of compensated ferromagnetic/antiferromagnetic bilayers. Journal of Applied Physics, 2012, 112, 073907.	2.5	1
45	Surface spin slips in thin holmium films. AIP Advances, 2012, 2, .	1.3	1
46	Dipolar field effects on the critical current for spin transfer switch of iron and permalloy nanoelements. Journal of Applied Physics, 2014, 115, 17D130.	2.5	1
47	Magnetic properties of crystalline nanoparticles with different sizes and shapes. Journal of Magnetism and Magnetic Materials, 2017, 425, 72-77.	2.3	1
48	New magnetic phases in thin terbium films. AIP Advances, 2020, 10, 015006.	1.3	1
49	PROBING THE MAGNETIC COUPLING IN MULTILAYERS USING DOMAIN WALL EXCITATIONS. , 2005, , 341-361.		1
50	Controlling magnetic vortex pairs in dipolar coupling Py elliptical nanocylinders. Journal of Applied Physics, 2022, 131, 093901.	2.5	1
51	Magnetic excitations of interface pinned domains. Journal of Magnetism and Magnetic Materials, 2001, 231, 246-252.	2.3	0
52	Reorientation of the magnetization in compensated F/AF bilayers. , 0, , .		0
53	Domain wall pinning at F/AF interface defects. , 2003, , .		0
54	Thermal hysteresis of thin Dy films. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
55	Confinement of magnetic vortex and domain walls in dipolar coupled concentric nanocylinders. , 2015, , .		0
56	Excitations of interface pinned domain walls in constrained geometries. AIP Advances, 2018, 8, 056004.	1.3	0
57	Energy product of cylindrical FePt@CoFe ₂ and FePt@Fe nanoparticles. AIP Advances, 2019, 9, 125131.	1.3	0
58	Domain wall depinning from FM/AFM interface defects by spin-polarized current. AIP Advances, 2022, 12, 035252.	1.3	0