

Ana Dantas

List of Publications by Year in descending order

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759233

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58

times ranked

677

citing authors

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

#	ARTICLE	IF	CITATIONS
19	A multifractal analysis of optical phonon excitations in quasicrystals. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 362, 289-294.	2.6	7
20	Depinning field of a periodic domain wall array in vicinal nanowires. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	7
21	Vortex Nucleation in Exchange Biased Magnetic Nanoelements. <i>IEEE Transactions on Magnetics</i> , 2010, 46, 2311-2313.	2.1	7
22	Controlling the core-to-core distance of vortex pairs in exchange-biased iron elliptical nanoelements. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	7
23	Dipolar effects on the magnetic phases of superparamagnetic clusters. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	7
24	Collinear mirage effect measurement of the thermal diffusivity in Ferronematics. <i>Applied Physics Letters</i> , 1998, 72, 674-676.	3.3	6
25	Domain wall pinning at an interface step defect. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 2707-2717.	1.8	6
26	Heat capacity of compensated F/AF bilayers. <i>Solid State Communications</i> , 2005, 135, 769-774.	1.9	6
27	Thermal hysteresis of interface biased ferromagnetic dots. <i>Journal of Applied Physics</i> , 2007, 102, 123907.	2.5	6
28	Nucleation of vortex pairs in exchange biased nanoelements. <i>Journal of Applied Physics</i> , 2011, 109, 07D314.	2.5	6
29	Confinement of Magnetic Vortex and Domain Walls in Dipolar-Coupled Concentric Nanocylinders. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	6
30	Soft mode of antiferromagnetic multilayers near the surface spin-flop transition. <i>Physical Review B</i> , 2005, 71, .	3.2	5
31	Surface spin slips in thin dysprosium films. <i>Journal of Materials Science</i> , 2010, 45, 5036-5039.	3.7	5
32	High-energy product $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle SmCo \langle /mml:mi \rangle \langle mml:mn \rangle 5 \langle /mml:mn \rangle \langle mml:mn \rangle 5 \langle /mml:mn \rangle \langle mml:mi \rangle Fe @ Py \langle /mml:mi \rangle \langle mml:math \rangle$ core-shell nanoparticles. <i>Physical Review B</i> , 2018, 97, .		
33	Dipolar domain wall tuning in Fe@Py core-shell cylinders. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 574-579.	2.3	5
34	Tailoring magnetic vortices of dipolar coupled nanoelements. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	5
35	Optical phonon modes confinement in quasiperiodic semiconductor superlattice. <i>Microelectronics Journal</i> , 2005, 36, 407-410.	2.0	4
36	Stability of ferrimagnetic multilayers. <i>Solid State Communications</i> , 2004, 132, 383-388.	1.9	3

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37	Tailoring the vortex core in confined magnetic nanostructures. <i>Journal of Applied Physics</i> , 2012, 111, 07D116.	2.5	3
38	Thermal hysteresis of interface biased dipolar coupled nanoelements. <i>Journal of Applied Physics</i> , 2013, 113, 17D710.	2.5	3
39	Thermal hysteresis of superparamagnetic Cd nanoparticle clusters. <i>Physical Review B</i> , 2019, 99, .	3.2	3
40	Effects of composition on the stability of the magnetic order of ferrimagnetic multilayers. <i>Physical Review B</i> , 2002, 65, .	3.2	2
41	Excitations of domain walls pinned at F/AF interface steps. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 3053-3055.	2.1	1
42	Relaxation of the magnetization from interface defects. <i>Physica B: Condensed Matter</i> , 2004, 353, 287-295.	2.7	1
43	Physical properties of magnetic grains dispersed in anisotropic media. <i>European Physical Journal B</i> , 2006, 50, 581-585.	1.5	1
44	Ferromagnetic resonance of compensated ferromagnetic/antiferromagnetic bilayers. <i>Journal of Applied Physics</i> , 2012, 112, 073907.	2.5	1
45	Surface spin slips in thin holmium films. <i>AIP Advances</i> , 2012, 2, .	1.3	1
46	Dipolar field effects on the critical current for spin transfer switch of iron and permalloy nanoelements. <i>Journal of Applied Physics</i> , 2014, 115, 17D130.	2.5	1
47	Magnetic properties of crystalline nanoparticles with different sizes and shapes. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 425, 72-77.	2.3	1
48	New magnetic phases in thin terbium films. <i>AIP Advances</i> , 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. <i>Journal of Applied Physics</i> , 2022, 131, 093901.	2.5	1
51	Magnetic excitations of interface pinned domains. <i>Journal of Magnetism and Magnetic Materials</i> , 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	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@CoFe2 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