

Luiz C Sampaio

List of Publications by Year in descending order

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44
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citations

516710

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times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of (3-aminopropyl)triethoxysilane-coated magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 279, 210-217.	2.3	707
2	Magnetic microwires as macrospins in a long-range dipole-dipole interaction. <i>Physical Review B</i> , 2000, 61, 8976-8983.	3.2	103
3	Magnetic Susceptibility Effects on ¹³ C MAS NMR Spectra of Carbon Materials and Graphite. <i>Solid State Nuclear Magnetic Resonance</i> , 2001, 20, 61-73.	2.3	76
4	Magnetic relaxation and formation of magnetic domains in ultrathin films with perpendicular anisotropy. <i>Physical Review B</i> , 1996, 54, 6465-6472.	3.2	61
5	Macroscopic Quantum Tunnelling Effects of Bloch Walls in Small Ferromagnetic Particles. <i>Europhysics Letters</i> , 1992, 19, 643-648.	2.0	46
6	New Effects in Light Scattering in Disordered Media and Coherent Backscattering Cone: Systems of Magnetic Particles. <i>Physical Review Letters</i> , 2000, 84, 1435-1438.	7.8	46
7	Nonextensivity and Tsallis statistics in magnetic systems. <i>Physical Review B</i> , 1997, 55, 5611-5614.	3.2	40
8	Dipolar magnetic interactions among magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 249, 60-72.	2.3	37
9	High-resolution X-ray diffraction beamline at the LNLS for the study of charge, orbital and magnetic structures. <i>Journal of Synchrotron Radiation</i> , 2003, 10, 430-434.	2.4	37
10	Probing interface magnetism in the FeMn/NiFe exchange bias system using magnetic second-harmonic generation. <i>Europhysics Letters</i> , 2003, 63, 819-825.	2.0	33
11	Physical properties of the Ce(Ru ^{1-x} Fe _x) ₂ Ge ₂ series. <i>Physical Review B</i> , 1996, 53, 11678-11684.	3.2	29
12	Control of the magnetic vortex chirality in Permalloy nanowires with asymmetric notches. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	28
13	Magnetic vortices in tridimensional nanomagnetic caps observed using transmission electron microscopy and magnetic force microscopy. <i>Physical Review B</i> , 2008, 77, .	3.2	27
14	Field-dependent perpendicular magnetic anisotropy in CoFeB thin films. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	26
15	Effects of Ferromagnetic Inclusions on ¹³ C MAS NMR Spectra of Heat-Treated Peat Samples. <i>Energy & Fuels</i> , 2002, 16, 1068-1075.	5.1	22
16	Vanishing of Energy Transport Velocity and Diffusion Constant of Electromagnetic Waves in Disordered Magnetic Media. <i>Physical Review Letters</i> , 2000, 85, 5563-5566.	7.8	21
17			

#	ARTICLE	IF	CITATIONS
19	Magnetization reversal in weakly coupled magnetic patterns. Journal of Magnetism and Magnetic Materials, 2002, 240, 34-36.	2.3	14
20	Vortex core magnetization dynamics induced by thermal excitation. Applied Physics Letters, 2012, 100, 112404.	3.3	14
21	Magnetic properties of the pseudo-binary intermetallic compounds: $\text{Hf}(\text{Fe}_{1-x}\text{Al}_x)_2$. Journal of Magnetism and Magnetic Materials, 1991, 99, 145-151.	2.3	13
22	^{89}Y nuclear magnetic resonance measurements in $(\text{Dy}_x\text{Y}_{1-x})\text{Fe}_2$ compounds. Journal of Applied Physics, 1990, 67, 5867-5869.	2.5	9
23	Static and dynamic properties of vortices in anisotropic magnetic disks. Applied Physics Letters, 2008, 93, 112507.	3.3	9
24	Intrinsic domain wall pinning in $\text{Hf}(\text{Fe}_{0.5}\text{Al}_{0.5})_2$. Journal of Magnetism and Magnetic Materials, 1990, 88, 151-156.	2.3	8
25	Anisotropy of the optical and magneto-optical response of Au/Co/Au/Cu multilayers grown on vicinal $\text{Si}(111)$ surfaces. Applied Physics B: Lasers and Optics, 2002, 74, 665-670.	2.2	8
26	Uniaxial in-plane magnetic anisotropy and exchange bias in Sm/Fe bilayers. Physical Review B, 1999, 60, 68-71.	3.2	7
27	X-ray magnetic circular dichroism temperature dependent study of RCo_2 compounds. Journal of Applied Physics, 2000, 87, 5881-5883.	2.5	7
28	Magnetotransport in nanostructures: The role of inhomogeneous currents. Journal of Applied Physics, 2011, 109, 093904.	2.5	7
29	Magnon theory for the spin Peltier effect. Journal Physics D: Applied Physics, 2020, 53, 355001.	2.8	7
30	Multiple scattering of electromagnetic waves in disordered magnetic media: localization parameter, energy transport velocity and diffusion constant. Brazilian Journal of Physics, 2001, 31, 65-70.	1.4	6
31	Imaging of domain wall motion in small magnetic particles through near-field microscopy. Applied Physics Letters, 2006, 88, 062506.	3.3	6
32	Growth of fractal electrodeposited aggregates under action of electric and magnetic fields using a modified diffusion-limited aggregation algorithm. Physical Review E, 2006, 73, 041403.	2.1	5
33	$(\text{Ga},\text{In})\text{P}$ nanowires grown without intentional catalyst. Journal of Crystal Growth, 2015, 431, 72-78.	1.5	5
34	Mesoscopic quantum tunneling in small ferromagnetic particles. Journal of Magnetism and Magnetic Materials, 1992, 116, 67-69.	2.3	4
35	Recent progress in the spin Seebeck and spin Peltier effects in insulating magnets. Journal of Magnetism and Magnetic Materials, 2021, , 168773.	2.3	3
36	SHG anisotropy in Au/Co/Au/Cu/vicinal Si(111). Journal of Magnetism and Magnetic Materials, 2002, 240, 532-535.	2.3	2

#	ARTICLE	IF	CITATIONS
37	Domain patterning and thermodynamic properties in magnetic films with perpendicular anisotropy. Physical Review B, 2005, 72, .	3.2	2
38	Influence of the magnon-phonon relaxation in the magnon transport under thermal gradient in yttrium iron garnet. Journal of Physics Condensed Matter, 2019, 31, 275804.	1.8	2
39	Observation of various types of electrical transport in oxygen-deficient garnets. Journal of Magnetism and Magnetic Materials, 1992, 116, 61-63.	2.3	1
40	Determination of prediction intervals for a future number of failures: a statistical and Monte Carlo approach. Brazilian Journal of Physics, 2006, 36, 690-699.	1.4	1
41	Acoustic wave surfing: spin waves and spin pumping driven by elastic wave. Journal Physics D: Applied Physics, 2021, 54, 255001.	2.8	1
42	Magnetic behavior of the $\text{Hf}(\text{Fe}_{1-x}\text{Al}_x)_2$ system (abstract). Journal of Applied Physics, 1990, 67, 5303-5303.	2.5	0
43	Co magnetic instability study in RCo_3 by XMCD. Journal of Magnetism and Magnetic Materials, 2001, 233, 48-52.	2.3	0
44	Magnetic vortices as localized mesoscopic domain wall pinning sites. Journal Physics D: Applied Physics, 2017, 50, 265003.	2.8	0