

Luiz C Sampaio

List of Publications by Year in descending order

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44
papers

1,508
citations

516710

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44
all docs

44
docs citations

44
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic wave surfing: spin waves and spin pumping driven by elastic wave. Journal Physics D: Applied Physics, 2021, 54, 255001.	2.8	1
2	Recent progress in the spin Seebeck and spin Peltier effects in insulating magnets. Journal of Magnetism and Magnetic Materials, 2021, , 168773.	2.3	3
3	Magnon theory for the spin Peltier effect. Journal Physics D: Applied Physics, 2020, 53, 355001.	2.8	7
4	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
5	Magnetic vortices as localized mesoscopic domain wall pinning sites. Journal Physics D: Applied Physics, 2017, 50, 265003.	2.8	0
6	(Ga,In)P nanowires grown without intentional catalyst. Journal of Crystal Growth, 2015, 431, 72-78.	1.5	5
7	Control of the magnetic vortex chirality in Permalloy nanowires with asymmetric notches. Journal of Applied Physics, 2014, 116, .	2.5	28
8	Field-dependent perpendicular magnetic anisotropy in CoFeB thin films. Applied Physics Letters, 2014, 105, .	3.3	26
9	Vortex core magnetization dynamics induced by thermal excitation. Applied Physics Letters, 2012, 100, 112404.	3.3	14
10	Magnetotransport in nanostructures: The role of inhomogeneous currents. Journal of Applied Physics, 2011, 109, 093904.	2.5	7
11	Static and dynamic properties of vortices in anisotropic magnetic disks. Applied Physics Letters, 2008, 93, 112507.	3.3	9
12	Magnetic vortices in tridimensional nanomagnetic caps observed using transmission electron microscopy and magnetic force microscopy. Physical Review B, 2008, 77, .	3.2	27
13	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
14	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
15	Imaging of domain wall motion in small magnetic particles through near-field microscopy. Applied Physics Letters, 2006, 88, 062506.	3.3	6
16	Domain patterning and thermodynamic properties in magnetic films with perpendicular anisotropy. Physical Review B, 2005, 72, .	3.2	2
17	Preparation and characterization of (3-aminopropyl)triethoxysilane-coated magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2004, 279, 210-217.	2.3	707
18	High-resolution X-ray diffraction beamline at the LNLS for the study of charge, orbital and magnetic structures. Journal of Synchrotron Radiation, 2003, 10, 430-434.	2.4	37

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Magnetization reversal in weakly coupled magnetic patterns. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 34-36.	2.3	14
22	SHG anisotropy in Au/Co/Au/Cu/vicinal Si(111). <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 532-535.	2.3	2
23	Anisotropy of the optical and magneto-optical response of Au/Co/Au/Cu multilayers grown on vicinal Si(111) surfaces. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 665-670.	2.2	8
24	Dipolar magnetic interactions among magnetic microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 249, 60-72.	2.3	37
25	Multiple scattering of electromagnetic waves in disordered magnetic media: localization parameter, energy transport velocity and diffusion constant. <i>Brazilian Journal of Physics</i> , 2001, 31, 65-70.	1.4	6
26	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
27	Co magnetic instability study in RCo_3 by XMCD. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 233, 48-52.	2.3	0
28	X-ray magnetic circular dichroism in Fe/NiO thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 233, 74-77.	2.3	14
29	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
30	X-ray magnetic circular dichroism temperature dependent study of RCo_2 compounds. <i>Journal of Applied Physics</i> , 2000, 87, 5881-5883.	2.5	7
31	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
32	Magnetic microwires as macrospins in a long-range dipole-dipole interaction. <i>Physical Review B</i> , 2000, 61, 8976-8983.	3.2	103
33	Uniaxial in-plane magnetic anisotropy and exchange bias in Sm/Fe bilayers. <i>Physical Review B</i> , 1999, 60, 68-71.	3.2	7
34	Nonextensivity and Tsallis statistics in magnetic systems. <i>Physical Review B</i> , 1997, 55, 5611-5614.	3.2	40
35	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
36	Physical properties of the $\text{Ce}(\text{Ru}_{1-x}\text{Fe}_x)_2\text{Ge}_2$ series. <i>Physical Review B</i> , 1996, 53, 11678-11684.	3.2	29

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