Liesl Folks

List of Publications by Year
in descending order

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48 papers	9,468 citations	218677 26 h-index	197818 49 g-index
50 all docs	50 docs citations	50 times ranked	9486 citing authors

#	Article	IF	Citations
1	Preface to Special Topic: 21st International Conference on Magnetism, 15-20 September 2018, San Francisco, CA, USA. AIP Advances, 2018, 8, .	1.3	0
2	Effects of radio-frequency current on critical fields for magnetization reversal in spin-torque devices. Physical Review B, 2011, 84, .	3.2	2
3	Exchange-coupling modified spin wave spectra in the perpendicularly magnetized Permalloy nanodot chain arrays. Journal of Applied Physics, 2010, 107, 09B514.	2.5	5
4	Near-surface nanoscale InAs Hall cross sensitivity to localized magnetic and electric fields. Journal of Physics Condensed Matter, 2009, 21, 255802.	1.8	10
5	Probing activation energy barrier distribution for reversal of strongly exchange-coupled magnetic multilayer thin films. Applied Physics Letters, 2009, 95, .	3.3	12
6	Exchange-coupled suppression of vortex formation in permalloy nanodot chain arrays. Journal of Applied Physics, 2009, 105, 07C125.	2.5	5
7	Mesoscopic EMR Device Magnetic Sensitivity in Iâ€“Vâ€“I â€“V Configuration. IEEE Electron Device Letters, 2009, 30, 117-119.	3.9	12
8	Modification of critical spin torque current induced by rf excitation. Journal of Applied Physics, 2008, 103, 07A708.	2.5	19
9	Three-dimensional atom probe investigation of boron distribution in CoFeBâˆ•MgOâˆ•CoFeB magnetic tunnel junctions. Applied Physics Letters, 2008, 93, .	3.3	42
10	Spin transfer induced coherent microwave emission with large power from nanoscale MgO tunnel junctions. Applied Physics Letters, 2008, 93, .	3.3	141
11	Effects of radio-frequency current on spin-transfer-torque-induced dynamics. Physical Review B, 2008, 78, .	3.2	16
12	High resolution structural characterization of giant magnetoresistance structures containing a nano-oxide layer. Applied Physics Letters, 2007, 91, 011905.	3.3	15
13	Ferromagnetic resonance in the proximity of the unstable perpendicular equilibrium: A study in Permalloy thin films and nanoscale dots. Journal of Applied Physics, 2007, 101, 09D118.	2.5	2
14	Vortex magnetodynamics: Ferromagnetic resonance in permalloy dot arrays. Journal of Applied Physics, 2006, 99, 08C702.	2.5	17
15	Temperature Dependence of Magnetotransport in Extraordinary Magnetoresistance Devices. IEEE Transactions on Magnetics, 2006, 42, 3270-3272.	2.1	55
16	Giant magnetoresistance in PtMn alloys. Applied Physics Letters, 2004, 84, 3097-3099.	3.3	7
17	Experimental evidence of multiple stable locations for a domain wall trapped by a submicron notch. Applied Physics Letters, 2004, 84, 1910-1912.	3.3	37
18	Effect of atomic disorder on transport through magnetic tunnel junctions. Journal of Applied Physics, 2003, 93, 7522-7524.	2.5	1

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19	Clusters and magnetism in epitaxial Co-doped TiO2 anatase. Applied Physics Letters, 2003, 82, 1257-1259.	3.3	196
20	Localized magnetic modification of permalloy using Cr+ion implantation. Journal Physics D: Applied Physics, 2003, 36, 2601-2604.	2.8	29
21	Molecular beam epitaxial growth and properties of CoFe2O4 on MgO(001). Journal of Magnetism and Magnetic Materials, 2002, 246, 124-139.	2.3	134
22	Growth, structural, and magnetic properties of high coercivity Co/Pt multilayers. Journal of Applied Physics, 2001, 89, 7525-7527.	2.5	80
23	Epitaxial growth and properties of ferromagnetic co-doped TiO2 anatase. Applied Physics Letters, 2001, 79, 3467-3469.	3.3	384
24	Track width definition of giant magnetoresistive sensors by ion irradiation. IEEE Transactions on Magnetics, 2001, 37, 1730-1732.	2.1	7
25	MOKE spectra and ultrahigh density data storage perspective of FePt nanomagnet arrays. IEEE Transactions on Magnetics, 2001, 37, 2185-2187.	2.1	39
26	Ion projection lithography for resistless patterning of thin magnetic films. Microelectronic Engineering, 2000, 53, 605-608.	2.4	14
27	Monodisperse FePt Nanoparticles and Ferromagnetic FePt Nanocrystal Superlattices. Science, 2000, 287, 1989-1992.	12.6	5,769
28	Temperature dependent chemical ordering in FePt(001) and FePt(110) films. Journal of Applied Physics, 2000, 87, 6956-6958.	2.5	26
29	Magnetotransport and magnetic properties of molecular-beam epitaxy L10 FePt thin films. Journal of Applied Physics, 2000, 87, 6854-6856.	2.5	49
30	Ion induced magnetization reorientation in Co/Pt multilayers for patterned media. Journal of Applied Physics, 2000, 87, 5768-5770.	2.5	93
31	Perforated tips for high-resolution in-plane magnetic force microscopy. Applied Physics Letters, 2000, 76, 909-911.	3.3	71
32	Patterning magnetic films by ion beam irradiation. Journal of Applied Physics, 2000, 87, 7004-7006.	2.5	84
33	High K/sub u/ materials approach to 100 Gbits/in/sup 2/. IEEE Transactions on Magnetics, 2000, 36, 10-15.	2.1	1,314
34	Ion-beam patterning of magnetic films using stencil masks. Applied Physics Letters, 1999, 75, 403-405.	3.3	191
35	The use of MFM for investigating domain structures in modern permanent magnet materials. Journal of Magnetism and Magnetic Materials, 1998, 190, 28-41.	2.3	65
36	Perpendicular magnetic anisotropy and magnetic domain structure in sputtered epitaxial FePt (001) L10 films. Journal of Applied Physics, 1998, 84, 5686-5692.	2.5	275

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37	Intergrain magnetic coupling and microstructure in CoPtCr, CoPtCrTa, and CoPtCrB alloys. Journal of Applied Physics, 1998, 84, 6202-6207.	2.5	31
38	Evolution of magnetic microstructure in high-coercivity permanent magnets imaged with magnetic force microscopy. Journal of Applied Physics, 1997, 81, 4438-4440.	2.5	11
39	Magnetic force microscopy images of high-coercivity permanent magnets. Journal of Magnetism and Magnetic Materials, 1996, 159, 109-118.	2.3	35
40	Magnetic properties of novel resin-bonded exchange coupled rare-earth magnets. Journal of Magnetism and Magnetic Materials, 1995, 147, 360-366.	2.3	6
41	Sweep-rate effects on the fluctuation field in particulate media. IEEE Transactions on Magnetics, 1995, 31, 2895-2897.	2.1	11
42	A sphere forming and polishing machine. Measurement Science and Technology, 1994, 5, 779-781.	2.6	10
43	Analysis and interpretation of time dependent magnetic phenomena (invited). Journal of Applied Physics, 1994, 76, 6391-6395.	2.5	46
44	Investigation of interaction mechanisms in meltâ€quenched NdFeB. Journal of Applied Physics, 1994, 75, 6271-6273.	2.5	28
45	Domain structures of dieâ€upset meltâ€spun NdFeB. Applied Physics Letters, 1994, 65, 910-912.	3.3	28
46	Magnetocaloric dependence of magnetic viscosity measurements in NdFeB. Journal of Applied Physics, 1994, 75, 6634-6636.	2.5	3
47	A magnetic equation of state. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 368-370.	2.3	35
48	Magnetization surfaces in (M, H, á¹€) space. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 371-372.	2.3	1