

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	Monodisperse FePt Nanoparticles and Ferromagnetic FePt Nanocrystal Superlattices. Science, 2000, 287, 1989-1992.	12.6	5,769
2	High K/sub u/ materials approach to 100 Gbits/in/sup 2/. IEEE Transactions on Magnetics, 2000, 36, 10-15.	2.1	1,314
3	Epitaxial growth and properties of ferromagnetic co-doped TiO2 anatase. Applied Physics Letters, 2001, 79, 3467-3469.	3.3	384
4	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
5	Clusters and magnetism in epitaxial Co-doped TiO2 anatase. Applied Physics Letters, 2003, 82, 1257-1259.	3.3	196
6	Ion-beam patterning of magnetic films using stencil masks. Applied Physics Letters, 1999, 75, 403-405.	3.3	191
7	Spin transfer induced coherent microwave emission with large power from nanoscale MgO tunnel junctions. Applied Physics Letters, 2008, 93, .	3.3	141
8	Molecular beam epitaxial growth and properties of CoFe2O4 on MgO(001). Journal of Magnetism and Magnetic Materials, 2002, 246, 124-139.	2.3	134
9	Ion induced magnetization reorientation in Co/Pt multilayers for patterned media. Journal of Applied Physics, 2000, 87, 5768-5770.	2.5	93
10	Patterning magnetic films by ion beam irradiation. Journal of Applied Physics, 2000, 87, 7004-7006.	2.5	84
11	Growth, structural, and magnetic properties of high coercivity Co/Pt multilayers. Journal of Applied Physics, 2001, 89, 7525-7527.	2.5	80
12	Perforated tips for high-resolution in-plane magnetic force microscopy. Applied Physics Letters, 2000, 76, 909-911.	3.3	71
13	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
14	Temperature Dependence of Magnetotransport in Extraordinary Magnetoresistance Devices. IEEE Transactions on Magnetics, 2006, 42, 3270-3272.	2.1	55
15	Magnetotransport and magnetic properties of molecular-beam epitaxy L10 FePt thin films. Journal of Applied Physics, 2000, 87, 6854-6856.	2.5	49
16	Analysis and interpretation of time dependent magnetic phenomena (invited). Journal of Applied Physics, 1994, 76, 6391-6395.	2.5	46
17	Three-dimensional atom probe investigation of boron distribution in CoFeB/MgO/CoFeB magnetic tunnel junctions. Applied Physics Letters, 2008, 93, .	3.3	42
18	MOKE spectra and ultrahigh density data storage perspective of FePt nanomagnet arrays. IEEE Transactions on Magnetics, 2001, 37, 2185-2187.	2.1	39

#	ARTICLE	IF	CITATIONS
19	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
20	A magnetic equation of state. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 368-370.	2.3	35
21	Magnetic force microscopy images of high-coercivity permanent magnets. Journal of Magnetism and Magnetic Materials, 1996, 159, 109-118.	2.3	35
22	Intergrain magnetic coupling and microstructure in CoPtCr, CoPtCrTa, and CoPtCrB alloys. Journal of Applied Physics, 1998, 84, 6202-6207.	2.5	31
23	Localized magnetic modification of permalloy using Cr+ion implantation. Journal Physics D: Applied Physics, 2003, 36, 2601-2604.	2.8	29
24	Investigation of interaction mechanisms in melt-quenched NdFeB. Journal of Applied Physics, 1994, 75, 6271-6273.	2.5	28
25	Domain structures of die-cast NdFeB. Applied Physics Letters, 1994, 65, 910-912.	3.3	28
26	Temperature dependent chemical ordering in FePt(001) and FePt(110) films. Journal of Applied Physics, 2000, 87, 6956-6958.	2.5	26
27	Modification of critical spin torque current induced by rf excitation. Journal of Applied Physics, 2008, 103, 07A708.	2.5	19
28	Vortex magnetodynamics: Ferromagnetic resonance in permalloy dot arrays. Journal of Applied Physics, 2006, 99, 08C702.	2.5	17
29	Effects of radio-frequency current on spin-transfer-torque-induced dynamics. Physical Review B, 2008, 78, .	3.2	16
30	High resolution structural characterization of giant magnetoresistance structures containing a nano-oxide layer. Applied Physics Letters, 2007, 91, 011905.	3.3	15
31	Ion projection lithography for resistless patterning of thin magnetic films. Microelectronic Engineering, 2000, 53, 605-608.	2.4	14
32	Probing activation energy barrier distribution for reversal of strongly exchange-coupled magnetic multilayer thin films. Applied Physics Letters, 2009, 95, .	3.3	12
33	Mesoscopic EMR Device Magnetic Sensitivity in S^{V} Configuration. IEEE Electron Device Letters, 2009, 30, 117-119.	3.9	12
34	Sweep-rate effects on the fluctuation field in particulate media. IEEE Transactions on Magnetism, 1995, 31, 2895-2897.	2.1	11
35	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
36	A sphere forming and polishing machine. Measurement Science and Technology, 1994, 5, 779-781.	2.6	10

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37	Near-surface nanoscale InAs Hall cross sensitivity to localized magnetic and electric fields. Journal of Physics Condensed Matter, 2009, 21, 255802.	1.8	10
38	Track width definition of giant magnetoresistive sensors by ion irradiation. IEEE Transactions on Magnetism, 2001, 37, 1730-1732.	2.1	7
39	Giant magnetoresistance in PtMn alloys. Applied Physics Letters, 2004, 84, 3097-3099.	3.3	7
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	Exchange-coupled suppression of vortex formation in permalloy nanodot chain arrays. Journal of Applied Physics, 2009, 105, 07C125.	2.5	5
42	Exchange-coupling modified spin wave spectra in the perpendicularly magnetized Permalloy nanodot chain arrays. Journal of Applied Physics, 2010, 107, 09B514.	2.5	5
43	Magnetocaloric dependence of magnetic viscosity measurements in NdFeB. Journal of Applied Physics, 1994, 75, 6634-6636.	2.5	3
44	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
45	Effects of radio-frequency current on critical fields for magnetization reversal in spin-torque devices. Physical Review B, 2011, 84, .	3.2	2
46	Magnetization surfaces in (M, H, $\hat{a}^1\epsilon$) space. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 371-372.	2.3	1
47	Effect of atomic disorder on transport through magnetic tunnel junctions. Journal of Applied Physics, 2003, 93, 7522-7524.	2.5	1
48	Preface to Special Topic: 21st International Conference on Magnetism, 15-20 September 2018, San Francisco, CA, USA. AIP Advances, 2018, 8, .	1.3	0