

Alejandro Butera

List of Publications by Year in descending order

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115
papers

2,264
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279701

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116
docs citations

116
times ranked

2279
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric field control of magnetism in FePt/PMN-PT heterostructures. Journal of Magnetism and Magnetic Materials, 2022, 544, 168619.	1.0	3
2	Spin rectification by planar Hall effect in synthetic antiferromagnets. Journal of Magnetism and Magnetic Materials, 2022, 560, 169614.	1.0	2
3	Influence of argon pressure on the structural properties of polycrystalline sputtered Fe _{0.89} Ga _{0.11} thin films. Materials Characterization, 2021, 171, 110790.	1.9	3
4	Strategies to increase austenite FCC relative phase stability in High-Mn steels. Journal of Alloys and Compounds, 2021, 854, 156971.	2.8	6
5	High spin pumping efficiency in Fe ₈₀ /Co ₂₀ /Ta bilayers. Journal Physics D: Applied Physics, 2021, 54, 325002.	1.3	3
6	Magnetoelasticity of $Fe_{1-x}Ga_x$ thin films on amorphous substrates. Physical Review B, 2021, 104, .		
7	Magnetocrystalline origin of the perpendicular magnetic anisotropy in Ga-poor FeGa thin films. Journal of Magnetism and Magnetic Materials, 2021, 535, 168047.	1.0	4
8	v-MOKE magnetometry: a solution for devices with fixed electromagnet. Measurement Science and Technology, 2020, 31, 117001.	1.4	1
9	A dual natural lithium formate/L-alanine EPR dosimeter for a mixed radiation field in a boron neutron capture therapy irradiation facility. Journal Physics D: Applied Physics, 2020, 53, 165001.	1.3	4
10	Relaxation mechanisms in ultra-low damping Fe ₈₀ Co ₂₀ thin films. Journal of Magnetism and Magnetic Materials, 2020, 504, 166692.	1.0	2
11	Thickness dependence of the magnetoelectric coupling in $Fe_{89}Co_{11}$ thin films. Journal of Magnetism and Magnetic Materials, 2020, 502, 166488.		
12	Ab initio study of FeRh multilayers supported on MgO(001). Journal of Magnetism and Magnetic Materials, 2020, 502, 166488.	1.0	3
13	Controlling the crystalline and magnetic texture in sputtered $Fe_{0.89}Co_{0.11}$ thin films. Journal of Magnetism and Magnetic Materials, 2019, 483, 143-151.	1.0	8
14	Pure spin current manipulation in antiferromagnetically exchange coupled heterostructures. Journal of Applied Physics, 2018, 123, .	1.1	4
15	Strain effects on the magnetic order of epitaxial FeRh thin films. Journal of Applied Physics, 2018, 124, .	1.1	16
16	Magnetolectric tuning of the inverse spin-Hall effect. AIP Advances, 2017, 7, .	0.6	3
17	Magnetic coupling of stripe domains in FePt/Ni ₈₀ Fe ₂₀ bilayers. Journal Physics D: Applied Physics, 2017, 50, 115001.	1.3	8
18	Spin pumping and inverse spin Hall effect in antiferromagnetic exchange coupled [Co/Ru/Co]/Pt heterostructures. Applied Physics Letters, 2017, 110, .	1.5	5

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19	High performance electronic device for the measurement of the inverse spin Hall effect. Review of Scientific Instruments, 2016, 87, 024705.	0.6	5
20	Critical thickness for stripe domain formation in FePt thin films: Dependence on residual stress. Journal of Applied Physics, 2016, 119, .	1.1	19
21	Magnetolectric control of spin currents. Applied Physics Letters, 2016, 108, .	1.5	8
22	Structural and physicochemical properties of nickel manganite NiMn ₂ O ₄ synthesized by sol-gel and ultra sound assisted methods. Journal of Alloys and Compounds, 2016, 672, 307-316.	2.8	25
23	Tunable stress induced magnetic domain configuration in FePt thin films. Journal Physics D: Applied Physics, 2015, 48, 405003.	1.3	13
24	Correlation between magnetic interactions and domain structure in Al FePt ferromagnetic thin films. Journal of Applied Physics, 2014, 115, .	1.1	16
25	Determination of Gd concentration profile in UO ₂ -Gd ₂ O ₃ fuel pellets. Journal of Nuclear Materials, 2014, 451, 207-210.	1.3	14
26	Spin transport parameters in Ni ₈₀ Fe ₂₀ Ru thin films. Journal of Applied Physics, 2014, 115, .	1.1	36
27	Correlation between radiation damage and magnetic properties in reactor vessel steels. Journal of Nuclear Materials, 2014, 445, 57-62.	1.3	18
28	Relaxation dynamics of ferromagnetic FePt thin films in a broad frequency range. Journal Physics D: Applied Physics, 2013, 46, 505001.	1.3	17
29	Effect of thermal fluctuations in FMR experiments in uniaxial magnetic nanoparticles: Blocked vs. superparamagnetic regimes. Journal of Magnetism and Magnetic Materials, 2013, 326, 138-146.	1.0	26
30	Abnormal temperature dependence of the coercive field in FePt thin films. Journal of Magnetism and Magnetic Materials, 2013, 347, 61-67.	1.0	13
31	Magnetic and elastic anisotropy in magnetorheological elastomers using nickel-based nanoparticles and nanochains. Journal of Applied Physics, 2013, 114, .	1.1	41
32	X-LAW3M 2013 Publication Chair Preface. IEEE Transactions on Magnetics, 2013, 49, 4486-4487.	1.2	0
33	Anisotropic Magnetoresistance and Piezoresistivity in Structured Fe ₃ O ₄ -Silver Particles in PDMS Elastomers at Room Temperature. Langmuir, 2012, 28, 6985-6996.	1.6	66
34	Microwave response of anisotropic magnetorheological elastomers: Model and experiments. Physical Review B, 2012, 86, .	1.1	14
35	Crossover to striped magnetic domains in Fe _{1-x} Ga _x magnetostrictive thin films. Applied Physics Letters, 2012, 101, 092404.	1.5	54
36	Angular and frequency dependence of standing spin waves in FePt films. Journal of Applied Physics, 2012, 111, .	1.1	11

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37	Magnetic and elastic properties of CoFe ₂ O ₄ - polydimethylsiloxane magnetically oriented elastomer nanocomposites. Journal of Applied Physics, 2011, 110, 043920.	1.1	53
38	Surface pinning in ferromagnetic films with perpendicular anisotropy. Physical Review B, 2011, 83, .	1.1	21
39	Magnetic domain crossover in FePt thin films. Physical Review B, 2010, 82, .	1.1	69
40	Stripe domains in Permalloy films as observed by ferromagnetic resonance and magnetic force microscopy. Physica B: Condensed Matter, 2009, 404, 2784-2786.	1.3	23
41	Thickness and temperature dependence of the dynamic magnetic behavior in disordered FePt films. Journal of Magnetism and Magnetic Materials, 2009, 321, 2941-2945.	1.0	19
42	Dynamic response of magnetic nanoparticles arranged in a tubular shape. Journal of Magnetism and Magnetic Materials, 2008, 320, e218-e221.	1.0	3
43	Angular dependence of the ferromagnetic resonance spectrum in continuous/heterogeneous multilayers. Journal of Magnetism and Magnetic Materials, 2008, 320, e239-e241.	1.0	1
44	Effect of magneto-structural phase coexistence in MnAs on the magnetic behavior of MnAs/Fe bilayers. Journal of Magnetism and Magnetic Materials, 2008, 320, e408-e411.	1.0	2
45	Ferromagnetic Resonance of Disordered FePt Thin Films. IEEE Transactions on Magnetics, 2008, 44, 2883-2886.	1.2	17
46	Thermal stabilization of magnetic nanoparticles embedded in a ferromagnetic matrix. Nanotechnology, 2007, 18, 115714.	1.3	13
47	Ferromagnetic coupled modes in continuous/granular multilayers: Model and experiments. Physical Review B, 2007, 76, .	1.1	11
48	Order-disorder transformation in FePt nanoparticles studied by ferromagnetic resonance. Applied Surface Science, 2007, 254, 274-277.	3.1	9
49	Magnetic coupling in Fe/Fe ₃ SiO ₂ /Ni ₈₀ Fe ₂₀ thin films. Physica B: Condensed Matter, 2006, 384, 126-128.	1.3	1
50	Magnetic anisotropy in Fe ₈₁ Ga ₁₉ /MgO (100) films sputtered at different powers. Physica B: Condensed Matter, 2006, 384, 262-264.	1.3	12
51	Coupling of Fe thin films through a granular magnetic layer. Journal of Applied Physics, 2006, 100, 053908.	1.1	6
52	Ferromagnetic resonance in arrays of highly anisotropic nanoparticles. European Physical Journal B, 2006, 52, 297-303.	0.6	23
53	Stable charge storage in granular thin films. Applied Physics Letters, 2005, 86, 074105.	1.5	10
54	Growth and magnetic characterization of epitaxial Fe ₈₁ Ga ₁₉ /MgO (100) thin films. Journal of Applied Physics, 2005, 98, 033901.	1.1	47

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55	Structural and magnetotransport properties of $\text{LaMn}_{1-x}\text{Cr}_x\text{O}_3$ ($0 \leq x \leq 0.15$): Evidence of $\text{Mn}^{3+} \leftrightarrow \text{O}^{2-} \text{Cr}^{3+}$ double-exchange interaction. <i>Physical Review B</i> , 2005, 72, .	1.1	34
56	Magnetic and transport properties of $\text{Ag}_{1-x}\text{Co}_x\text{Fe}_{10}$ granular multilayers. <i>Journal of Applied Physics</i> , 2004, 96, 7392-7398.	1.1	4
57	Structural and magnetotransport properties of epitaxial $\text{LaMn}_{1-x}\text{Cr}_x\text{O}_3$ ($0 \leq x \leq 0.15$): Evidence of $\text{Mn}^{3+} \leftrightarrow \text{O}^{2-} \text{Cr}^{3+}$ double-exchange interaction. <i>Physical Review B</i> , 2005, 72, .	1.0	28
58	Dissipation in Mesoscopic Superconductors with Ac Magnetic Fields. <i>Journal of Low Temperature Physics</i> , 2004, 135, 119-122.	0.6	3
59	Surface anisotropy and resonance modes in Co/SiO_2 heterogeneous films. <i>Physical Review B</i> , 2004, 70, .	1.1	32
60	Ferromagnetic resonance line width in $\text{Co}(x)\text{SiO}_2(1-x)$ granular films. <i>Physica B: Condensed Matter</i> , 2004, 354, 145-148.	1.3	5
61	Magnetization and specific heat of La doped $\text{Sr}_2\text{FeMoO}_6$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 857-858.	1.0	1
62	Magnetic phase coexistence in CMR manganites: ESR evidence. <i>Physica B: Condensed Matter</i> , 2004, 354, 55-58.	1.3	11
63	Self-assembled arrays of high anisotropy FePt/Au nanoparticles. <i>Physica B: Condensed Matter</i> , 2004, 354, 108-112.	1.3	15
64	High temperature susceptibility in electron doped $\text{Ca}_{1-x}\text{Y}_x\text{MnO}_3$: double exchange versus superexchange. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 249-258.	0.7	22
65	Evidence of strong antiferromagnetic coupling between localized and itinerant electrons in ferromagnetic $\text{Sr}_2\text{FeMoO}_6$. <i>Physical Review B</i> , 2002, 66, .	1.1	91
66	Magnetic coupling in $\text{Fe}_{60}/\text{Sm}_{40}/\text{Fe}_{95}/\text{Ta}_5/\text{N}$ multilayers. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2682-2684.	1.2	3
67	Fabrication and characterization of $\text{Fe}_{81}/\text{Ga}_{19}$ thin films. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2832-2834.	1.2	39
68	ESR of double-perovskite $\text{Sr}_2\text{FeMoO}_6$. <i>Physica B: Condensed Matter</i> , 2002, 320, 79-82.	1.3	11
69	Film thickness dependence of the magnetic resonance in Fe/SiO_2 nanocomposites. <i>Physica B: Condensed Matter</i> , 2002, 320, 181-184.	1.3	2
70	Magnetization reversal processes in FeSm thin films. <i>Physica B: Condensed Matter</i> , 2002, 320, 253-256.	1.3	0
71	Effective Ru moment in $\text{RuSr}_2\text{Eu}_{2-x}\text{Ce}_x\text{Cu}_2\text{O}_{10}$ from high-temperature magnetic susceptibility. <i>Physica B: Condensed Matter</i> , 2002, 320, 316-318.	1.3	7
72	Interplay of structure and magnetism in ruthenocuprates: a Raman scattering and dilatometry study. <i>Physica B: Condensed Matter</i> , 2002, 320, 322-325.	1.3	2

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73	Ferromagnetic resonance of permalloy artificially nanostructured films. IEEE Transactions on Magnetism, 2001, 37, 2213-2215.	1.2	1
74	Ferromagnetic films deposited on nanochannel alumina. Granular Matter, 2001, 3, 93-96.	1.1	1
75	Magnetic resonance in RuSr ₂ RECu ₂ O ₈ (RE=Eu, Gd) ferromagnetic superconductor. Journal of Applied Physics, 2001, 89, 7666-7668.	1.1	9
76	Ferromagnetic correlations and mixed Ru valence in the magnetic superconductor RuSr ₂ (Eu,Gd)Cu ₂ O ₈ . Physical Review B, 2001, 63, .	1.1	103
77	Magnetism and Jahn-Teller distortions in. Physica B: Condensed Matter, 2000, 284-288, 1408-1409.	1.3	7
78	Nanostructured Fe networks studied by ferromagnetic resonance. IEEE Transactions on Magnetism, 2000, 36, 3044-3046.	1.2	3
79	Standing spin waves in granular Fe/SiO ₂ thin films. Journal of Applied Physics, 2000, 87, 5627-5629.	1.1	19
80	Magnetic order and weak ferromagnetic transition in Gd ₂ CuO ₄ . Journal of Applied Physics, 2000, 87, 5911-5913.	1.1	4
81	Magnetic interactions and magnon gap in the ferromagnetic superconductor RuSr ₂ GdCu ₂ O ₈ . Physical Review B, 1999, 60, R12597-R12600.	1.1	118
82	Effects of oxidation and abnormal grain growth on the magnetic properties of thin Fe/SiO ₂ granular films. Journal of Applied Physics, 1999, 85, 6151-6153.	1.1	14
83	Ferromagnetic resonance in as-deposited and annealed Fe/SiO ₂ heterogeneous thin films. Physical Review B, 1999, 60, 12270-12278.	1.1	59
84	Nanostructured magnetic networks: a materials comparison. Journal of Magnetism and Magnetic Materials, 1999, 193, 515-518.	1.0	17
85	ESR and magnetization in Jahn-Teller-distorted LaMnO ₃ : Correlation with crystal structure. Physical Review B, 1999, 60, 10199-10205.	1.1	71
86	Thickness dependence of the magnetic percolation threshold in as-deposited and annealed Fe/SiO ₂ granular thin films. Journal of Applied Physics, 1998, 84, 5693-5697.	1.1	18
87	Shift in the magnetic percolation threshold of phase separated Co-rich CoAg very thin films due to reduced dimensionality. Journal of Applied Physics, 1998, 83, 4855-4861.	1.1	19
88	High coercivity in heterogeneous Co-rich CoAg very thin films. IEEE Transactions on Magnetism, 1998, 34, 1114-1116.	1.2	2
89	Temperature dependence of the coercivity of Fe films sputtered on nanochannel alumina. IEEE Transactions on Magnetism, 1998, 34, 1024-1026.	1.2	12
90	High-temperature spin dynamics in CMR manganites: ESR and magnetization. Physical Review B, 1998, 58, 3233-3239.	1.1	249

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91	Electron spin resonance and magnetization in perovskite and pyrochlore manganites. Journal of Applied Physics, 1998, 83, 7201-7203.	1.1	23
92	Interparticle Interaction Effects in Nonmiscible CoAg Thin Films With High Co Concentration. Materials Research Society Symposia Proceedings, 1998, 517, 349.	0.1	0
93	Effect of annealing on nanostructured Fe networks. IEEE Transactions on Magnetics, 1997, 33, 3628-3630.	1.2	12
94	High coercivity nanostructured networks. Journal of Applied Physics, 1997, 81, 5467-5469.	1.1	25
95	Magnetic interactions in Fe films sputtered on nanochannel alumina. IEEE Transactions on Magnetics, 1997, 33, 3604-3606.	1.2	4
96	Activation volumes and interparticle interaction effects in nanostructured Fe networks. Journal of Applied Physics, 1997, 81, 7432-7436.	1.1	16
97	Interplanar coupling between CuO ₂ planes in Eu _{1.9} Y _{0.1} CuO ₄ single crystals. Physica B: Condensed Matter, 1997, 233, 241-250.	1.3	4
98	Metal-insulator transition in oxygen-deficient LaNiO _{3-x} perovskites. Physical Review B, 1996, 54, 16574-16578.	1.1	119
99	Gd concentration dependence of the spin reorientation critical field in Eu _{2-x} Gd _x CuO ₄ . Journal of Applied Physics, 1996, 79, 6577.	1.1	1
100	Coupling of CuO ₂ planes in Eu _{2-x} Y _x CuO ₄ single crystals. European Physical Journal D, 1996, 46, 2697-2698.	0.4	1
101	Double exchange interaction in CaMnO _{3-δ} . European Physical Journal D, 1996, 46, 2013-2014.	0.4	2
102	Double-exchange interaction in electron-doped CaMnO _{3-δ} perovskites. Physical Review B, 1996, 53, 14020-14023.	1.1	80
103	Weak ferromagnetic resonance of Gd ₂ CuO ₄ small particles. Journal of Applied Physics, 1996, 79, 8612-8614.	1.1	2
104	Suppression of weak ferromagnetism in small particles of Gd ₂ CuO ₄ . Europhysics Letters, 1996, 34, 623-628.	0.7	8
105	EPR and magnetization of Gd ₂ BaNiO ₅ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1681-1682.	1.0	9
106	In-plane magnetization anisotropy in Gd ₂ CuO ₄ single crystals. Physical Review B, 1995, 52, 13444-13449.	1.1	10
107	Magnetic-resonance modes for Eu _{2-x} Gd _x CuO ₄ , a compound with coupled paramagnetic and weak-ferromagnetic excitations. Physical Review B, 1994, 50, 16708-16717.	1.1	6
108	dc magnetization measurements in Eu ₂ CuO ₄ :Gd ³⁺ . Journal of Applied Physics, 1993, 73, 5680-5682.	1.1	9

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109	Raman study of T^* -phase distortion in R_2CuO_4 compounds ($R=Nd, Sm, Eu, Gd$). Physical Review B, 1993, 48, 7565-7569.	1.1	18
110	Field-induced spin reorientation in $Eu_2CuO_4:Gd$ studied by magnetic resonance. Physical Review B, 1993, 48, 16775-16784.	1.1	9
111	Depression of the weak-ferromagnetism of CuO_2 planes in Gd_2CuO_4 through Ce and Th doping. Physica C: Superconductivity and Its Applications, 1989, 160, 341-346.	0.6	44
112	Magnetic Interactions In Fe Films Sputtered On Nanochannel Alumina. , 0, , .		0
113	Nanostructured Fe networks studied by ferromagnetic resonance. , 0, , .		0
114	Fabrication and characterization of Fe_{81}/Ga_{19} thin films. , 0, , .		0
115	Magnetic coupling in $Fe_{60}/Sm_{40} // Fe_{95}/Ta_5/N_x$ multilayers. , 0, , .		0