

Abdelhamid Layadi

List of Publications by Year in descending order

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361413

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73
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Study of the Magnetic Anisotropy in Electrodeposited Fe Films on Al Substrates: Effect of the Al Porosity and the Preparation Conditions. IEEE Transactions on Magnetics, 2022, 58, 1-10.	2.1	1
2	Effect of multiaxial stress in thin films on the ferromagnetic resonance mode characteristics. Journal of Applied Physics, 2020, 127, 223907.	2.5	4
3	Experimental study of the diamagnetism and the ferromagnetism in MoS ₂ thin films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	9
4	Investigation of the physical properties of Fe/Si for use in a Cu/Fe/Si solar cells contact. Materials Research Express, 2019, 6, 115505.	1.6	4
5	MOKE Magnetometer Studies of Evaporated Ni and Ni/Cu Thin Films onto Different Substrates. Spin, 2019, 09, .	1.3	7
6	Physical properties of Fe _{1-x} Cu _x films electrodeposited on porous and non-porous silicon. Materials Research Express, 2019, 6, 126308.	1.6	0
7	Analytical expressions for the ferromagnetic resonance mode intensity and linewidths for a weakly coupled magnetic tunnel junction system. Journal of Applied Physics, 2018, 124, .	2.5	1
8	Surface morphology, structural and electrical properties of RF-sputtered ITO thin films on Si substrates. Bulletin of Materials Science, 2018, 41, 1.	1.7	11
9	Physical properties of Fe films electrodeposited on porous Al substrates. Journal of Materials Science, 2017, 52, 4472-4482.	3.7	8
10	Effect of deposition conditions on the magnetic properties of evaporated Fe thin films. EPJ Applied Physics, 2017, 78, 10301.	0.7	5
11	Resonant and Switching Fields for a Weakly Coupled Magnetic Tunnel Junction System. Spin, 2016, 06, 1640011.	1.3	3
12	Structural and Magnetic Properties of Fe Films Electrodeposited on Al Substrates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3677-3683.	2.2	9
13	Surface morphology and magnetic properties of evaporated Fe/Si and Fe/glass thin films. Applied Physics A: Materials Science and Processing, 2015, 120, 97-104.	2.3	8
14	Structural and magnetic properties of Ni/Cu bilayers evaporated on CuZn substrate. EPJ Applied Physics, 2015, 70, 10301.	0.7	5
15	Magnetic Properties of Evaporated Ni Thin Films: Effect of Substrates, Thickness, and Cu Underlayer. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4143-4149.	2.2	7
16	A theoretical investigation of Ferromagnetic Resonance Linewidth and damping constants in coupled trilayer and spin valve systems. AIP Advances, 2015, 5, .	1.3	13
17	Structure, surface morphology and electrical properties of evaporated Ni thin films: Effect of substrates, thickness and Cu underlayer. Thin Solid Films, 2014, 562, 229-238.	1.8	12
18	Effect of Thickness and Deposition Rate on the Structural and Magnetic Properties of Evaporated Fe/Al Thin Films. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1951-1957.	1.8	8

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19	Exchange coupled bilayer thin films with tilted out-of-plane anisotropy easy axis. Journal of Applied Physics, 2012, 112, 073901.	2.5	7
20	Structural, electrical and magnetic properties of evaporated permalloy thin films: effect of substrate and thickness. EPJ Applied Physics, 2012, 58, 20301.	0.7	14
21	Structural, ferroelectric and dielectric properties of In ₂ O ₃ :Sn (ITO) on PbZr _{0.53} Ti _{0.47} O ₃ (PZT)/Pt and annealing effect. Journal of Alloys and Compounds, 2011, 509, 6072-6076.	5.5	24
22	Structural and electrical properties of evaporated Fe thin films. Applied Surface Science, 2011, 257, 7025-7029.	6.1	22
23	Structural, microstructural and hyperfine properties of nanocrystalline iron particles. Journal of Magnetism and Magnetic Materials, 2010, 322, 566-571.	2.3	8
24	Ferromagnetic resonance study of Permalloy/Cu/Co/NiO spin valve system. Journal of Applied Physics, 2010, 108, .	2.5	17
25	Sputtered Indium Tin Oxide Thin Films Deposited on Glass Substrate for Photovoltaic Application. Renewable Energy and Power Quality Journal, 2010, 1, 1545-1547.	0.2	2
26	Theoretical study of the torque curves in some magnetic multilayer systems. Physical Review B, 2009, 79, .	3.2	2
27	Effect of oxygen partial pressure on the structural and optical properties of dc sputtered ITO thin films. Journal of Alloys and Compounds, 2009, 485, 46-50.	5.5	67
28	Electrical properties and Kerr effect study of evaporated Fe/Si and Fe/glass thin films. EPJ Applied Physics, 2009, 48, 30503.	0.7	6
29	Effect of deposition rate and thickness on the structural and electrical properties of evaporated Ni/glass and Ni/Si(100) thin films. Microelectronics Journal, 2008, 39, 1545-1549.	2.0	12
30	X-ray diffraction, microstructure, Mössbauer and magnetization studies of nanostructured Fe ₅₀ Ni ₅₀ alloy prepared by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2008, 320, 1385-1392.	2.3	46
31	Structure, Mössbauer and magnetic studies of nanostructured Fe ₈₀ Ni ₂₀ alloy elaborated by mechanical milling. Philosophical Magazine, 2008, 88, 1085-1098.	1.6	14
32	Pulsed excimer laser deposition of Permalloy thin films: structural and electrical properties. EPJ Applied Physics, 2008, 42, 235-239.	0.7	7
33	Annealing effect in DC and RF sputtered ITO thin films. EPJ Applied Physics, 2007, 39, 1-5.	0.7	15
34	Ferromagnetic resonance in evaporated Co ²⁺ -Si(100) and Co ²⁺ -glass thin films. Journal of Applied Physics, 2007, 101, 113910.	2.5	11
35	Study of the magnetic anisotropy in Ni/Cu and Ni/glass thin films. Physica B: Condensed Matter, 2007, 387, 281-286.	2.7	22
36	Structural and magnetic properties of evaporated Fe thin films on Si(111), Si(100) and glass substrates. Journal of Magnetism and Magnetic Materials, 2007, 312, 194-199.	2.3	23

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37	Structural, electrical and magnetic properties of evaporated Ni/Cu and Ni/glass thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 136, 197-202.	3.5	29
38	Physical properties of RF sputtered ITO thin films and annealing effect. Journal Physics D: Applied Physics, 2006, 39, 184-189.	2.8	126
39	Analytical expressions for the magnetization curves of a magnetic-tunnel-junction-like system. Journal of Applied Physics, 2006, 100, 083904.	2.5	12
40	Study of the resonance modes of a magnetic tunnel junction-like system. Physical Review B, 2005, 72, .	3.2	14
41	The influence of substrate and thickness on the magnetic properties of dc sputtered Ni thin films. European Journal of Control, 2005, 30, 207-215.	2.6	1
42	Structural and magnetic properties of evaporated Co/Si(100) and Co/glass thin films. Journal Physics D: Applied Physics, 2004, 37, 2583-2587.	2.8	70
43	Theoretical study of resonance modes of coupled thin films in the rigid layer model. Physical Review B, 2004, 69, .	3.2	18
44	Investigation of Magnetic Coupling by Ferromagnetic Resonance. , 2004, , 171-186.		0
45	Study of the resonance modes in coupled ferromagnetic layers: effect of the in-plane anisotropy axis directions. Journal of Magnetism and Magnetic Materials, 2003, 266, 282-289.	2.3	8
46	Effect of biquadratic coupling and in-plane anisotropy on the resonance modes of a trilayer system. Physical Review B, 2002, 65, .	3.2	39
47	Exchange anisotropy: a ferromagnetic resonance study. Physical Review B, 2002, 66, .	3.2	24
48	Enhancement of longitudinal Kerr rotation in Fe/Al ₂ O ₃ composite multilayers. EPJ Applied Physics, 2002, 20, 9-14.	0.7	1
49	In-plane anisotropy and coupling in Fe/Ag superlattices. Materials Science and Engineering C, 2002, 19, 125-128.	7.3	6
50	Investigation of off-aligned exchange coupling by torque curve and ferromagnetic resonance. Journal of Applied Physics, 2001, 90, 4651-4656.	2.5	10
51	Ferromagnetic resonance modes in single and coupled layers with oblique anisotropy axis. Physical Review B, 2001, 63, .	3.2	40
52	A method for the determination of exchange and magnetocrystalline anisotropies in exchange-coupled thin films. Journal of Magnetism and Magnetic Materials, 2000, 219, 294-302.	2.3	4
53	Resonance modes of cubic single crystal thin film with exchange anisotropy: A theoretical study. Journal of Applied Physics, 2000, 87, 1429-1434.	2.5	20
54	A theoretical investigation of the effect of the oblique anisotropy axis on the ferromagnetic resonance linewidth. Journal of Applied Physics, 1999, 86, 1625-1629.	2.5	15

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55	Determination of magnetic coupling from torque curve. Journal of Magnetism and Magnetic Materials, 1999, 192, 353-362.	2.3	8
56	Effect of thickness on the physical properties of ITO thin films. EPJ Applied Physics, 1999, 7, 201-206.	0.7	14
57	Ferromagnetic resonance modes in coupled layers with cubic magnetocrystalline anisotropy. Journal of Applied Physics, 1998, 83, 3738-3743.	2.5	21
58	Effect of the substrate on the structural and electrical properties of dc sputtered Ni thin films. EPJ Applied Physics, 1998, 3, 35-39.	0.7	10
59	Structural and electrical properties of as-deposited and annealed DC sputtered ITO thin films. EPJ Applied Physics, 1998, 1, 177-180.	0.7	5
60	A ferromagnetic resonance investigation of ferromagnetic coupling. Journal Physics D: Applied Physics, 1997, 30, 3312-3316.	2.8	4
61	Study of antiferromagnetic coupling by ferromagnetic resonance (FMR). Journal of Magnetism and Magnetic Materials, 1997, 176, 175-182.	2.3	22
62	Ferromagnetic resonance in a coupled two-layer system. Journal of Magnetism and Magnetic Materials, 1990, 92, 143-154.	2.3	109
63	Coupling of Ni and NiFe films through an intervening nonmagnetic film. Journal of Applied Physics, 1990, 67, 4451-4453.	2.5	20
64	FMR and TEM studies of annealed and magnetically annealed thin bilayer films. Journal of Applied Physics, 1988, 64, 6101-6103.	2.5	4
65	FMR in evaporated single and multilayer thin Fe films. Journal of Applied Physics, 1988, 64, 5760-5762.	2.5	46
66	Spin-wave FMR in annealed NiFe/FeMn thin films. Journal of Applied Physics, 1988, 63, 3808-3810.	2.5	20
67	Investigation of anisotropy by ferromagnetic resonance (FMR) in exchange-coupled bilayer films. IEEE Transactions on Magnetics, 1987, 23, 2993-2995.	2.1	45
68	Torque, FMR and domain mode FMR relations in thin "Oblique anisotropy axis" films. IEEE Transactions on Magnetics, 1987, 23, 3642-3644.	2.1	11
69	Assessment by FMR of the consequences of etching and annealing in thin Co-Cr films. IEEE Transactions on Magnetics, 1986, 22, 1173-1175.	2.1	6
70	TEM investigation of Co-Cr film microstructure. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 1676-1678.	2.3	19
71	The effect of annealing on the transition layer in Co-Cr thin films as inferred from FMR. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 1701-1703.	2.3	9
72	Direct observation of magnetically distinct regions in Co-Cr perpendicular recording media using ferromagnetic resonance. Journal of Applied Physics, 1985, 57, 3976-3978.	2.5	28