

# Abdelhamid Layadi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3170442/publications.pdf>

Version: 2024-02-01

72  
papers

1,274  
citations

361413

20  
h-index

414414

32  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical properties of RF sputtered ITO thin films and annealing effect. Journal Physics D: Applied Physics, 2006, 39, 184-189.	2.8	126
2	Ferromagnetic resonance in a coupled two-layer system. Journal of Magnetism and Magnetic Materials, 1990, 92, 143-154.	2.3	109
3	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
4	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
5	FMR in evaporated single and multilayer thin Fe films. Journal of Applied Physics, 1988, 64, 5760-5762.	2.5	46
6	X-ray diffraction, microstructure, Mössbauer and magnetization studies of nanostructured Fe <sub>50</sub> Ni <sub>50</sub> alloy prepared by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2008, 320, 1385-1392.	2.3	46
7	Investigation of anisotropy by ferromagnetic resonance (FMR) in exchange-coupled bilayer films. IEEE Transactions on Magnetics, 1987, 23, 2993-2995.	2.1	45
8	Ferromagnetic resonance modes in single and coupled layers with oblique anisotropy axis. Physical Review B, 2001, 63, .	3.2	40
9	Effect of biquadratic coupling and in-plane anisotropy on the resonance modes of a trilayer system. Physical Review B, 2002, 65, .	3.2	39
10	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
11	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
12	Exchange anisotropy: a ferromagnetic resonance study. Physical Review B, 2002, 66, .	3.2	24
13	Structural, ferroelectric and dielectric properties of In <sub>2</sub> O <sub>3</sub> :Sn (ITO) on PbZr <sub>0.53</sub> Ti <sub>0.47</sub> O <sub>3</sub> (PZT)/Pt and annealing effect. Journal of Alloys and Compounds, 2011, 509, 6072-6076.	5.5	24
14	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
15	Study of antiferromagnetic coupling by ferromagnetic resonance (FMR). Journal of Magnetism and Magnetic Materials, 1997, 176, 175-182.	2.3	22
16	Study of the magnetic anisotropy in Ni/Cu and Ni/glass thin films. Physica B: Condensed Matter, 2007, 387, 281-286.	2.7	22
17	Structural and electrical properties of evaporated Fe thin films. Applied Surface Science, 2011, 257, 7025-7029.	6.1	22
18	Ferromagnetic resonance modes in coupled layers with cubic magnetocrystalline anisotropy. Journal of Applied Physics, 1998, 83, 3738-3743.	2.5	21

#	ARTICLE	IF	CITATIONS
19	Spinâ€wave FMR in annealed NiFe/FeMn thin films. Journal of Applied Physics, 1988, 63, 3808-3810.	2.5	20
20	Coupling of Ni and NiFe films through an intervening nonmagnetic film. Journal of Applied Physics, 1990, 67, 4451-4453.	2.5	20
21	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
22	TEM investigation of Co-Cr film microstructure. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 1676-1678.	2.3	19
23	Theoretical study of resonance modes of coupled thin films in the rigid layer model. Physical Review B, 2004, 69, .	3.2	18
24	Ferromagnetic resonance study of Permalloy/Cu/Co/NiO spin valve system. Journal of Applied Physics, 2010, 108, .	2.5	17
25	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
26	Annealing effect in DC and RF sputtered ITO thin films. EPJ Applied Physics, 2007, 39, 1-5.	0.7	15
27	Effect of thickness on the physical properties of ITO thin films. EPJ Applied Physics, 1999, 7, 201-206.	0.7	14
28	Study of the resonance modes of a magnetic tunnel junction-like system. Physical Review B, 2005, 72, .	3.2	14
29	Structure, MÃssbauer and magnetic studies of nanostructured Fe<sub>80</sub>Ni<sub>20</sub> alloy elaborated by mechanical milling. Philosophical Magazine, 2008, 88, 1085-1098.	1.6	14
30	Structural, electrical and magnetic properties of evaporated permalloy thin films: effect of substrate and thickness. EPJ Applied Physics, 2012, 58, 20301.	0.7	14
31	A theoretical investigation of Ferromagnetic Resonance Linewidth and damping constants in coupled trilayer and spin valve systems. AIP Advances, 2015, 5, .	1.3	13
32	Analytical expressions for the magnetization curves of a magnetic-tunnel-junction-like system. Journal of Applied Physics, 2006, 100, 083904.	2.5	12
33	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
34	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
35	Torque, FMR and domain mode FMR relations in thin "Oblique anisotropy axis" films. IEEE Transactions on Magnetics, 1987, 23, 3642-3644.	2.1	11
36	Ferromagnetic resonance in evaporated Coâ•Si(100) and Coâ•glass thin films. Journal of Applied Physics, 2007, 101, 113910.	2.5	11

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Investigation of off-aligned exchange coupling by torque curve and ferromagnetic resonance. Journal of Applied Physics, 2001, 90, 4651-4656.	2.5	10
40	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
41	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
42	Experimental study of the diamagnetism and the ferromagnetism in MoS <sub>2</sub> thin films. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	9
43	Determination of magnetic coupling from torque curve. Journal of Magnetism and Magnetic Materials, 1999, 192, 353-362.	2.3	8
44	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
45	Structural, microstructural and hyperfine properties of nanocrystalline iron particles. Journal of Magnetism and Magnetic Materials, 2010, 322, 566-571.	2.3	8
46	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
47	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
48	Physical properties of Fe films electrodeposited on porous Al substrates. Journal of Materials Science, 2017, 52, 4472-4482.	3.7	8
49	Pulsed excimer laser deposition of Permalloy thin films: structural and electrical properties. EPJ Applied Physics, 2008, 42, 235-239.	0.7	7
50	Exchange coupled bilayer thin films with tilted out-of-plane anisotropy easy axis. Journal of Applied Physics, 2012, 112, 073901.	2.5	7
51	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
52	MOKE Magnetometer Studies of Evaporated Ni and Ni/Cu Thin Films onto Different Substrates. Spin, 2019, 09, .	1.3	7
53	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
54	In-plane anisotropy and coupling in Fe/Ag superlattices. Materials Science and Engineering C, 2002, 19, 125-128.	7.3	6

#	ARTICLE	IF	CITATIONS
55	Electrical properties and Kerr effect study of evaporated Fe/Si and Fe/glass thin films. EPJ Applied Physics, 2009, 48, 30503.	0.7	6
56	Structural and electrical properties of as-deposited and annealed DC sputtered ITO thin films. EPJ Applied Physics, 1998, 1, 177-180.	0.7	5
57	Structural and magnetic properties of Ni/Cu bilayers evaporated on CuZn substrate. EPJ Applied Physics, 2015, 70, 10301.	0.7	5
58	Effect of deposition conditions on the magnetic properties of evaporated Fe thin films. EPJ Applied Physics, 2017, 78, 10301.	0.7	5
59	FMR and TEM studies of annealed and magnetically annealed thin bilayer films. Journal of Applied Physics, 1988, 64, 6101-6103.	2.5	4
60	A ferromagnetic resonance investigation of ferromagnetic coupling. Journal Physics D: Applied Physics, 1997, 30, 3312-3316.	2.8	4
61	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
62	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
63	Effect of multiaxial stress in thin films on the ferromagnetic resonance mode characteristics. Journal of Applied Physics, 2020, 127, 223907.	2.5	4
64	Resonant and Switching Fields for a Weakly Coupled Magnetic Tunnel Junction System. Spin, 2016, 06, 1640011.	1.3	3
65	Theoretical study of the torque curves in some magnetic multilayer systems. Physical Review B, 2009, 79, .	3.2	2
66	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
67	Enhancement of longitudinal Kerr rotation in Fe/Al <sub>2</sub> O <sub>3</sub> composite multilayers. EPJ Applied Physics, 2002, 20, 9-14.	0.7	1
68	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
69	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
70	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
71	Physical properties of Fe <sub>1-x</sub> Cu <sub>x</sub> films electrodeposited on porous and non-porous silicon. Materials Research Express, 2019, 6, 126308.	1.6	0
72	Investigation of Magnetic Coupling by Ferromagnetic Resonance. , 2004, , 171-186.		0