

Yuan-Tsung Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of grain size on magnetic and nanomechanical properties of Co ₆₀ Fe ₂₀ B ₂₀ thin films. Journal of Alloys and Compounds, 2010, 498, 113-117.	5.5	36
2	The Effect of Interface Texture on Exchange Biasing in Ni ₈₀ Fe ₂₀ /Ir ₂₀ Mn ₈₀ System. Nanoscale Research Letters, 2009, 4, 90-93.	5.7	25
3	Interfacial effects on magnetostriction of CoFeB/AIOx/Co junction. Applied Physics Letters, 2006, 88, 222509.	3.3	20
4	Magnetic and Electric Properties of Amorphous<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:msub></mml:mrow></mml:math> Films. Journal of Nanomaterials, 2012, 2012, 1-5.	2.6	16
5	The low-frequency alternative-current magnetic susceptibility and electrical properties of Si(100)/Fe ₄₀ Pd ₄₀ B ₂₀ (XÄ...) /ZnO(500Ä...) and Si(100)/ZnO(500Ä...) /Fe ₄₀ Pd ₄₀ B ₂₀ (YÄ...) systems. Journal of Applied Physics, 2013, 113, 17B303.	2.5	14
6	Low-frequency alternative-current magnetic susceptibility of amorphous and nanocrystalline Co ₆₀ Fe ₂₀ B ₂₀ films. Journal of Magnetism and Magnetic Materials, 2012, 324, 2224-2226.	2.3	13
7	Effect of Ta seed layer on crystalline structure and magnetic properties in an exchange-biased Co/IrMn system. Journal of Alloys and Compounds, 2011, 509, 5587-5590.	5.5	11
8	Effect of tunneling barrier as spacer on exchange coupling of CoFeB/AIOx/Co trilayer structures. Journal of Alloys and Compounds, 2011, 509, 9246-9248.	5.5	9
9	Structure and Magnetic Properties of Co₄₀Fe₄₀V₂₀ Thin Films. Journal of Nanoscience and Nanotechnology, 2019, 19, 5974-5978.	0.9	8
10	Effect of Annealing on the Structural, Magnetic and Surface Energy of CoFeBY Films on Si (100) Substrate. Materials, 2021, 14, 987.	2.9	8
11	The structure and surface energy of Ni ₈₀ Fe ₂₀ thin films. Applied Surface Science, 2015, 351, 946-949.	6.1	7
12	Effect of Annealing on the Structural, Magnetic, Surface Energy and Optical Properties of Co ₃₂ Fe ₃₀ W ₃₈ Films Deposited by Direct-Current Magnetron Sputtering. Coatings, 2020, 10, 1028.	2.6	7
13	Structure, Magnetic Property, Surface Morphology, and Surface Energy of Co ₄₀ Fe ₄₀ V ₁₀ B ₁₀ Films on Si(100) Substrate. Applied Sciences (Switzerland), 2020, 10, 449.	2.5	6
14	Determining Contact Angle and Surface Energy of Co ₆₀ Fe ₂₀ B ₂₀ Thin Films by Magnetron Sputtering. Journal of Nanomaterials, 2011, 2011, 1-4.	2.7	5
15	Effect of Low-Frequency AC Magnetic Susceptibility and Magnetic Properties of CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. Nanomaterials, 2014, 4, 46-54.	4.1	5
16	Annealing Effect on the Contact Angle, Surface Energy, Electric Property, and Nanomechanical Characteristics of Co ₄₀ Fe ₄₀ W ₂₀ Thin Films. Coatings, 2021, 11, 1268.	2.6	5
17	Nanoindentation and Adhesion Properties of Ta Thin Films. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	4
18	Adhesive characteristic, surface morphology, and optical properties of Co ₄₀ Fe ₄₀ V ₂₀ films. Optik, 2020, 216, 164587.	2.9	4

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19	Effect of Low-Frequency Alternative-Current Magnetic Susceptibility in Ni ₈₀ Fe ₂₀ Thin Films. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	3
20	Magnetic susceptibility, optical, and adhesive properties of Co ₄₀ /Fe ₄₀ /V ₁₀ /B ₁₀ films. Surface Engineering, 2020, 36, 405-410.	2.2	3
21	Effect of Annealing on the Characteristics of CoFeBY Thin Films. Coatings, 2021, 11, 250.	2.6	3
22	Impact of Annealing on Magnetic Properties and Structure of Co ₄₀ Fe ₄₀ W ₂₀ Thin Films on Si(100) Substrate. Materials, 2021, 14, 3017.	2.9	3
23	Annealing effect on the structure, magnetic characteristic, surface energy and optical property of Co ₄₀ Fe ₄₀ W ₁₀ B ₁₀ thin films. Optik, 2022, 259, 168985.	2.9	3
24	Magnetostriction and Tunneling Magnetoresistance of Co/AlO _x /Co/IrMn Junctions. IEEE Transactions on Magnetics, 2008, 44, 2592-2594.	2.1	2
25	Susceptibility of CoFeB/AlO _x /Co Magnetic Tunnel Junctions to Low-Frequency Alternating Current. Nanomaterials, 2013, 3, 574-582.	4.1	2
26	The thermal properties of amorphous Fe ₄₀ Pd ₄₀ B ₂₀ and Fe ₆₀ Pd ₂₀ B ₂₀ thin films. Journal of Magnetism and Magnetic Materials, 2015, 386, 141-145.	2.3	2
27	Low-Frequency Alternative-Current Magnetic Susceptibility and Microstructure of Amorphous Co ₆₀ Fe ₂₀ V ₂₀ Thin Films. Journal of Nanoscience and Nanotechnology, 2017, 17, 9356-9359.	0.9	2
28	Ta and Ru seed layers effect on the magnetic and optical properties of Ru/Co ₆₀ Fe ₂₀ V ₂₀ and Ta/Co ₆₀ Fe ₂₀ V ₂₀ films. Journal of Magnetism and Magnetic Materials, 2018, 464, 112-115.	2.3	2
29	Microstructure, In-Plane Magnetic Properties, and Surface Energy of Co ₆₀ /Fe ₂₀ /V ₂₀ Thin Films. Journal of Nanoscience and Nanotechnology, 2018, 18, 5119-5123.	0.9	2
30	Magnetic Properties, Adhesion, and Nanomechanical Property of Co ₄₀ Fe ₄₀ W ₂₀ Films on Si (100) Substrate. Journal of Nanomaterials, 2020, 2020, 1-11.	2.7	2
31	Magnetic properties, adhesive characteristics, and optical properties of Co ₄₀ /Fe ₄₀ /W ₂₀ films. Surface Engineering, 2021, 37, 429-436.	2.2	2
32	Effect of Yttrium Addition on Structure and Magnetic Properties of Co ₆₀ Fe ₂₀ Y ₂₀ Thin Films. Materials, 2021, 14, 6001.	2.9	2
33	Nano-Indentation Properties and Structure of Co ₆₀ /Fe ₂₀ /B ₂₀ Thin Films. Journal of Nanoscience and Nanotechnology, 2017, 17, 3117-3121.	0.9	1
34	Effect of low-frequency AC magnetic susceptibility of Ru/Co ₆₀ Fe ₂₀ V ₂₀ and Ta/Co ₆₀ Fe ₂₀ V ₂₀ films. Journal of Magnetism and Magnetic Materials, 2018, 465, 651-653.	2.3	1
35	Yttrium addition and annealing effect on the structural, magnetic, adhesive, and optical properties of CoFeY thin films on glass substrate. Optik, 2022, 251, 168406.	2.9	1
36	THE EXCHANGE-BIASING IN THE TOP-CONFIGURATION Ni ₈₀ Fe ₂₀ /Ir ₂₀ Mn ₈₀ SYSTEM. International Journal of Modern Physics B, 2009, 23, 1658-1662.	2.0	0

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37	Structural, Thermal, Optical, Electrical, and Adhesive Characteristics of FePdB Thin Films. Journal of Nanomaterials, 2015, 2015, 1-5.	2.7	0
38	Low-frequency alternative-current magnetic susceptibility, photoelectric properties, and adhesive properties of Ni ₈₀ Fe ₂₀ (XÅ...)/ZnO(500Å...) and ZnO(500Å...)/Ni ₈₀ Fe ₂₀ (YÅ...) on glass substrate. Applied Surface Science, 2015, 346, 284-290.	6.1	0
39	The Effect of ZnO(002) on the Magnetic, Electrical, and Adhesive Characteristics of FePdB/ZnO/FePdB Thin Films. Journal of Nanoscience and Nanotechnology, 2017, 17, 5015-5018.	0.9	0
40	Annealing Effect on the Characteristics of Co ₄₀ Fe ₄₀ W ₁₀ B ₁₀ Thin Films on Si(100) Substrate. Materials, 2021, 14, 6017.	2.9	0
41	Microstructure and Photoelectrical Characteristics of Amorphous Co ₆₀ Fe ₂₀ V ₂₀ Thin Films. Journal of Nanoscience and Nanotechnology, 2017, 17, 9347-9349.	0.9	0