

Gang Han

List of Publications by Year in descending order

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papers

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430
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#	ARTICLE	IF	CITATIONS
1	Evidence for FeO formation at the Fe/MgO interface in epitaxial TMR structure by X-ray photoelectron spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1935-1936.	2.3	76
2	Low-temperature ordering and enhanced coercivity of L10-FePt thin film promoted by a Bi underlayer. <i>Applied Physics Letters</i> , 2006, 88, 232109.	3.3	44
3	Enhancement of the magnetic field sensitivity in Al ₂ O ₃ encapsulated NiFe films with anisotropic magnetoresistance. <i>Applied Physics Letters</i> , 2009, 94, 162506.	3.3	26
4	Effects of annealing on the magnetic properties and microstructures of Ta/Mo/CoFeB/MgO/Ta films. <i>Journal of Alloys and Compounds</i> , 2017, 692, 243-248.	5.5	20
5	Improved H ₂ evolution under visible light in heterostructured SiC/CdS photocatalyst: Effect of lattice match. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14409-14417.	7.1	19
6	Influence of solution heat treatment on microstructure and hardness of as-cast biodegradable Zn-Mn alloys. <i>Journal of Materials Science</i> , 2019, 54, 1728-1740.	3.7	18
7	Investigation of ferromagnetic coupling between Co layers in a Co/Pt multilayer with perpendicular anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 299, 120-126.	2.3	11
8	Precipitation enhanced ultragrain refinement of Ti-Mo microalloyed ferritic steel during warm rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 698, 117-125.	5.6	11
9	Thermally stable anomalous Hall behavior in perpendicular Co/Pt multilayers sandwiched by HfO ₂ layers. <i>Applied Surface Science</i> , 2016, 360, 758-761.	6.1	10
10	Effect of the underlayer (Ag, Ti or Bi) on the magnetic properties of Fe/Pt multilayer films. <i>Thin Solid Films</i> , 2007, 515, 8009-8012.	1.8	8
11	Influence of inserted Mo layer on the thermal stability of perpendicularly magnetized Ta/Mo/Co ₂₀ Fe ₆₀ B ₂₀ /MgO/Ta films. <i>AIP Advances</i> , 2016, 6, .	1.3	8
12	The impact of Hf layer thickness on the perpendicular magnetic anisotropy in Hf/CoFeB/MgO/Ta films. <i>Journal of Alloys and Compounds</i> , 2017, 694, 76-81.	5.5	8
13	XPS analyses of Ta/MgOx/Ni ₈₁ Fe ₁₉ /MgOx/Ta films. <i>Applied Surface Science</i> , 2012, 258, 9589-9592.	6.1	7
14	Large enhancement of perpendicular magnetic anisotropy and high annealing stability by Pt insertion layer in (Co/Ni)-based multilayers. <i>AIP Advances</i> , 2015, 5, 097121.	1.3	7
15	The effect of HfO ₂ on the magnetic anisotropy, electrical structure and microstructure of CoFeB/MgO films. <i>Journal of Alloys and Compounds</i> , 2017, 725, 425-432.	5.5	6
16	Study of the relationship between magnetic anisotropy and composition ratio of Fe oxide to Fe at CoFeB/MgO film interface. <i>Applied Surface Science</i> , 2022, 585, 152697.	6.1	6
17	Large enhancement of planar Hall sensitivity in NiO/NiFe/NiO heterostructure by interfacial modification. <i>Materials Letters</i> , 2014, 126, 101-104.	2.6	5
18	Effect of a CoFeB layer on the anisotropic magnetoresistance of Ta/CoFeB/MgO/NiFe/MgO/CoFeB/Ta films. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 17-21.	2.3	5

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19	Oscillatory ferromagnetic interlayer coupling in [Pt(5Å...)/Co(4Å...)] ₃ /Cr(xÅ...)/[Co(4Å...)/Pt(12Å...)] ₃ multilayers with perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 2006, 302, 29-33.	2.3	4
20	Interface-assisted magnetoresistance behavior for ultrathin NiFe films. Journal of Magnetism and Magnetic Materials, 2015, 393, 419-422.	2.3	4
21	Bulk defects induced coercivity modulation of Co thin film based on a Ta/Bi double buffer layer. Journal of Magnetism and Magnetic Materials, 2020, 500, 166388.	2.3	3
22	Enhanced soft magnetic properties in CoZrTa(B) thin film with improving amorphous structure via introducing B atoms. AIP Advances, 2020, 10, 065109.	1.3	3
23	Large enhancement of Blocking temperature by control of interfacial structures in Pt/NiFe/IrMn/MgO/Pt multilayers. AIP Advances, 2015, 5, 097146.	1.3	2
24	High post-annealing stability for perpendicular [Co/Ni] _n multilayers by preventing interfacial diffusion. Journal Physics D: Applied Physics, 2016, 49, 185004.	2.8	2
25	Correlation between pass-through flux of cobalt target and microstructure and magnetic properties of sputtered thin films. Rare Metals, 2021, 40, 975-980.	7.1	2
26	Dependence of domain wall structures on repetition n in [Pt(0.5 nm)/Co(0.4 nm)] _n /NiO(1.1 nm)/[Co(0.4 nm)] _n BT /Overlock 229-233.	4.9	1
27	Influence of Bi underlayer on the magnetic properties of Fe _x Pt _{100-x} (x = 40~58) films. Applied Physics A: Materials Science and Processing, 2007, 87, 121-124.	2.3	0
28	Selective Area Growth and Characterization of GaN Nanorods Fabricated by Adjusting the Hydrogen Flow Rate and Growth Temperature with Metal Organic Chemical Vapor Deposition. Chinese Physics Letters, 2016, 33, 068101.	3.3	0