

Chun Feng

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Orbit-Engineered Anisotropic Magnetoresistive Effect for Constructing a Magnetic Sensor with Ultrahigh Sensitivity. ACS Applied Materials & Interfaces, 2022, , .	8.0	0
2	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields. Advanced Materials, 2022, 34, e2107908.	21.0	19
3	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc 21.0	21.0	19
4	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
5	Field-Free Manipulation of Skyrmion Creation and Annihilation by Tunable Strain Engineering. Advanced Functional Materials, 2021, 31, 2008715.	14.9	31
6	Construction of high-performance magnetic sensor based on anisotropic magnetoresistance Ta/MgO/NiFe/MgO/Ta film. Rare Metals, 2021, 40, 2026-2032.	7.1	8
7	Improved magnetic anisotropy of Co-based multilayer film with nitrogen dopant. Rare Metals, 2021, 40, 2855-2861.	7.1	4
8	Broad magnetic anisotropy regulation in as-deposited Pt/Co/MgO multilayers by tuning electronic coordination. Applied Physics Letters, 2021, 118, 252401.	3.3	1
9	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
10	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. Nature Communications, 2020, 11, 3577.	12.8	117
11	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
12	Tailoring the magnetic properties of sputtered amorphous CoZrTa/metal-oxide (MO) by interfacial oxygen migration. Journal of Applied Physics, 2020, 128, .	2.5	3
13	Enhancement of perpendicular magnetic anisotropy of ferromagnet/oxide heterointerface by an oxygen-dependent orbital modulation. Applied Physics Letters, 2020, 116, .	3.3	3
14	Giant Strain Control of Antiferromagnetic Moment in Metallic FeMn by Tuning Exchange Spring Structure. Advanced Functional Materials, 2020, 30, 1909708.	14.9	19
15	Nitrogen Tuned Charge Redistribution and Orbital Reconfiguration in Fe/MgO Interface for Significant Interfacial Magnetism Tunability. Advanced Functional Materials, 2019, 29, 1806677.	14.9	10
16	Switchable Magnetic Anisotropy of Ferromagnets by Dual-Ion-Manipulated Orbital Engineering. ACS Applied Materials & Interfaces, 2019, 11, 32475-32480.	8.0	10
17	Construction of a Room-Temperature Pt/Co/Ta Multilayer Film with Ultrahigh-Density Skyrmions for Memory Application. ACS Applied Materials & Interfaces, 2019, 11, 12098-12104.	8.0	60
18	Significant Strain-Induced Orbital Reconstruction and Strong Interfacial Magnetism in TiNi(Nb)/Ferromagnet/Oxide Heterostructures via Oxygen Manipulation. Advanced Functional Materials, 2018, 28, 1803335.	14.9	30

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19	Progress in oxygen behaviors in two-dimensional thin films. <i>Rare Metals</i> , 2017, 36, 155-167.	7.1	8
20	Thickness-dependent electronic structure modulation of ferromagnetic films on shape memory alloy substrates based on a pure strain effect. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	5
21	Nonvolatile modulation of electronic structure and correlative magnetism of L10-FePt films using significant strain induced by shape memory substrates. <i>Scientific Reports</i> , 2016, 6, 20199.	3.3	11
22	Enhancement of post-annealing stability in Co/Ni multilayers with perpendicular magnetic anisotropy by Au insertion layers. <i>Rare Metals</i> , 2016, 35, 779-783.	7.1	6
23	Reversible and Nonvolatile Modulations of Magnetization Switching Characteristic and Domain Configuration in L1 ₀ -FePt Films via Nonelectrically Controlled Strain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7545-7552.	8.0	19
24	Dynamical mechanism for coercivity tunability in the electrically controlled FePt perpendicular films with small grain size. <i>Journal of Applied Physics</i> , 2014, 115, 023906.	2.5	2
25	Co/Pt multilayer-based pseudo spin valves with perpendicular magnetic anisotropy. <i>Rare Metals</i> , 2014, 33, 646-651.	7.1	6
26	Interfacial oxygen migration and its effect on the magnetic anisotropy in Pt/Co/MgO/Pt films. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
27	Noise reduction by magnetostatic coupling in geomagnetic-field sensors. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 368, 328-332.	2.3	4
28	Research progress in anisotropic magnetoresistance. <i>Rare Metals</i> , 2013, 32, 213-224.	7.1	31
29	Manipulating NiFe/AlO _x interfacial chemistry for the spin-polarized electrons transport. <i>Applied Surface Science</i> , 2013, 283, 46-51.	6.1	2
30	Electromigration induced fast L10 ordering phase transition in perpendicular FePt films. <i>Applied Physics Letters</i> , 2013, 102, 022411.	3.3	10
31	Modification of magnetic properties in SmCo films by controlling crystallization and phase transition. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 1798-1802.	5.1	6
32	Study of low-temperature ordering and crystal structure in FePtBi/Au nanocomposite films. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 109, 145-149.	2.3	4
33	Improvement of interfacial electron scattering by introduced NiFe nanoparticles. <i>Rare Metals</i> , 2012, 31, 117-120.	7.1	0
34	Manipulation of the magnetic exchange interaction in SmCo films with high thermal stability by controlling phase transformation. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 125-129.	2.3	3
35	Tuning perpendicular magnetic anisotropy and coercivity of L1-FePt nanocomposite film by interfacial manipulation. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	9
36	An all-metal material for high-sensitivity geomagnetic sensors with improved magnetic stability by magnetostatic coupling. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 385001.	2.8	7

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37	Discrepancy of the magnetic behaviors and crystalline structure on the Co/FeMn and FeMn/Co interfaces with ultrathin Pt spacer. <i>Rare Metals</i> , 2010, 29, 473-479.	7.1	2
38	Study on NiO/Fe interface with X-ray photoelectron spectroscopy. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2010, 17, 777-781.	4.9	1
39	Synthesis of L10-FePt perpendicular films with controllable coercivity and intergranular exchange coupling by interfacial microstructure control. <i>Journal of Applied Physics</i> , 2010, 107, 123911.	2.5	4
40	Response to "Comment on "Magnetic properties and microstructure of FePt/Au multilayers with high perpendicular magnetocrystalline anisotropy" [Appl. Phys. Lett. 94, 036101 (2009)]. <i>Applied Physics Letters</i> , 2009, 94, 036102.	3.3	0
41	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
42	Magnetic properties and microstructure of FePt/Au multilayers with high perpendicular magnetocrystalline anisotropy. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	74