

Guanghua Yu

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

320
citations

9
h-index

15
g-index

55
ext. papers

427
ext. citations

6.1
avg, IF

3.08
L-index

#	Paper	IF	Citations
52	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. <i>Nature Communications</i> , 2020 , 11, 3577	17.4	40
51	Three dimensional magnetic abacus memory. <i>Scientific Reports</i> , 2014 , 4, 6109	4.9	32
50	Iron cobalt/polypyrrole nanoplates with tunable broadband electromagnetic wave absorption. <i>RSC Advances</i> , 2016 , 6, 92152-92158	3.7	31
49	Significant Strain-Induced Orbital Reconstruction and Strong Interfacial Magnetism in TiNi(Nb)/Ferromagnet/Oxide Heterostructures via Oxygen Manipulation. <i>Advanced Functional Materials</i> , 2018 , 28, 1803335	15.6	26
48	Ru Catalyst-Induced Perpendicular Magnetic Anisotropy in MgO/CoFeB/Ta/MgO Multilayered Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26643-8	9.5	15
47	Reversible and Nonvolatile Modulations of Magnetization Switching Characteristic and Domain Configuration in L10-FePt Films via Nonelectrically Controlled Strain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7545-52	9.5	14
46	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	4.9	11
45	Giant Strain Control of Antiferromagnetic Moment in Metallic FeMn by Tuning Exchange Spring Structure. <i>Advanced Functional Materials</i> , 2020 , 30, 1909708	15.6	10
44	Investigation on interface of NiFeCr/NiFe/Ta films with high magnetic field sensitivity. <i>Rare Metals</i> , 2012 , 31, 22-26	5.5	10
43	Tuning perpendicular magnetic anisotropy and coercivity of L10-FePt nanocomposite film by interfacial manipulation. <i>Journal of Applied Physics</i> , 2011 , 109, 063918	2.5	9
42	Electromigration induced fast L10 ordering phase transition in perpendicular FePt films. <i>Applied Physics Letters</i> , 2013 , 102, 022411	3.4	8
41	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	1.5	7
40	Field-Free Manipulation of Skyrmion Creation and Annihilation by Tunable Strain Engineering. <i>Advanced Functional Materials</i> , 2021 , 31, 2008715	15.6	7
39	Nitrogen Tuned Charge Redistribution and Orbital Reconfiguration in Fe/MgO Interface for Significant Interfacial Magnetism Tunability. <i>Advanced Functional Materials</i> , 2018 , 29, 1806677	15.6	7
38	Anisotropic Magnetoresistance of Nano-conductive Filament in Co/HfO/Pt Resistive Switching Memory. <i>Nanoscale Research Letters</i> , 2017 , 12, 210	5	6
37	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	5.5	6
36	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	3.6	6

35	Switchable valley injection into graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	5
34	Fabrication and magnetic properties of structure-tunable Co ₂ FeGa-SiO ₂ Heusler nanocompounds. <i>AIP Advances</i> , 2018 , 8, 055107	1.5	5
33	Mechanism of Nitrogen-Doped TiC Quantum Dots for Free-Radical Scavenging and the Ultrasensitive HO Detection Performance. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42442-42450	8.5	5
32	The influence of an MgO nanolayer on the planar Hall effect in NiFe films. <i>Journal of Applied Physics</i> , 2015 , 117, 123908	2.5	4
31	Co/Pt multilayer-based pseudo spin valves with perpendicular magnetic anisotropy. <i>Rare Metals</i> , 2014 , 33, 646-651	5.5	4
30	Universal Magnetic Hall Circuit Based on Paired Spin Heterostructures. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400054	6.4	4
29	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
28	Ultrasensitive Anomalous Hall Effect in Ta/CoFe/Oxide/Ta Multilayers. <i>Advances in Condensed Matter Physics</i> , 2016 , 2016, 1-7	1	4
27	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, 212401	3.4	4
26	Influence of electric field on the microstructures and magnetic softness of FeNi nanoparticle films. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	4
25	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	2.6	3
24	Enhancement of anisotropic magnetoresistance in MgO/NiFe/MgO trilayers via NiFe nanoparticles in MgO layers. <i>Journal of Applied Physics</i> , 2012 , 111, 123903	2.5	3
23	Controlled switching of the number of skyrmions in a magnetic nanodot by electric fields.. <i>Advanced Materials</i> , 2021 , e2107908	24	3
22	Spin-polarized quantum transport in Si dangling bond wires. <i>Nanoscale</i> , 2020 , 12, 6079-6088	7.7	2
21	Quantum transport investigation of anomalous Hall resistance in four-probe magnetic nanostructures. <i>Physical Review B</i> , 2016 , 94,	3.3	2
20	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
19	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	2.6	2
18	Large enhancement of Blocking temperature by control of interfacial structures in Pt/NiFe/IrMn/MgO/Pt multilayers. <i>AIP Advances</i> , 2015 , 5, 097146	1.5	2

17	Conditions for quantized anisotropic magnetoresistance. <i>Physical Review B</i> , 2015 , 91,	3.3	2
16	Enhanced soft magnetic properties in CoZrTa(B) thin film with improving amorphous structure via introducing B atoms. <i>AIP Advances</i> , 2020 , 10, 065109	1.5	2
15	Construction of high-performance magnetic sensor based on anisotropic magnetoresistance Ta/MgO/NiFe/MgO/Ta film. <i>Rare Metals</i> , 2021 , 40, 2026-2032	5.5	2
14	Tailoring the magnetic properties of sputtered amorphous CoZrTa/metal-oxide (MO) by interfacial oxygen migration. <i>Journal of Applied Physics</i> , 2020 , 128, 165303	2.5	1
13	Effects of short-range order and interfacial interactions on the electronic structure of two-dimensional antimony-arsenic alloys. <i>Journal of Applied Physics</i> , 2020 , 127, 025305	2.5	1
12	The influence of the nonmagnetic metal spacer Bi, Ag and Cu on the properties of the multilayer films. <i>Science Bulletin</i> , 2006 , 51, 2183-2188		1
11	Electrical and Mechanical Properties Enhancement in Superlattice-Like GaSb/Ge ₂ Sb ₂ Te ₅ Phase Change Thin Films. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100405	4.6	1
10	Broad magnetic anisotropy regulation in as-deposited Pt/Co/MgO multilayers by tuning electronic coordination. <i>Applied Physics Letters</i> , 2021 , 118, 252401	3.4	1
9	Electric field modulation of magnetic anisotropy and microwave absorption properties in Fe ₅₀ Ni ₅₀ /Teflon composite films. <i>AIP Advances</i> , 2016 , 6, 055905	1.5	1
8	Correlation between pass-through flux of cobalt target and microstructure and magnetic properties of sputtered thin films. <i>Rare Metals</i> , 2021 , 40, 975-980	5.5	1
7	Improved magnetic anisotropy of Co-based multilayer film with nitrogen dopant. <i>Rare Metals</i> , 2021 , 40, 2855-2861	5.5	0
6	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields (Adv. Mater. 11/2022). <i>Advanced Materials</i> , 2022 , 34, 2270090	24	0
5	Tunable perpendicular anisotropic magnetoresistance in CoO/Co/Pt heterostructures. <i>Rare Metals</i> , 2017 , 1	5.5	
4	Tailoring perpendicular magnetic anisotropy in Co/Pt multilayers by interface doping with ultrathin Fe layer. <i>Rare Metals</i> , 2016 , 1	5.5	
3	Improvement of interfacial electron scattering by introduced NiFe nanoparticles. <i>Rare Metals</i> , 2012 , 31, 117-120	5.5	
2	Structure and magnetic properties of vacuum annealed FePt/Ag nano-multilayers. <i>Science Bulletin</i> , 2003 , 48, 236-238		
1	Effect of Cu surface segregation on the exchange coupling field of NiFe/FeMn bilayers. <i>Science Bulletin</i> , 2001 , 46, 1934-1936		