Jun Du

List of Publications by Year
in descending order

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67	1,083	516710 16	434195 31
papers	citations	h-index	g-index

67	67	67	1704
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Room-temperature ferromagnetism and ferroelectricity in Fe-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BaTiO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	3.2	154
2	Spin Hall angle quantification from spin pumping and microwave photoresistance. Physical Review B, 2012, 85, .	3.2	135
3	Experimental realization of two-dimensional artificial skyrmion crystals at room temperature. Physical Review B, 2014, 90, .	3.2	89
4	Memory effect and spin-glass-like behavior in Co-Ag granular films. Physical Review B, 2007, 75, .	3.2	69
5	Cooling field and temperature dependent exchange bias in spin glass/ferromagnet bilayers. Scientific Reports, 2015, 5, 13640.	3.3	51
6	Full Electric Control of Exchange Bias at Room Temperature by Resistive Switching. Advanced Materials, 2018, 30, e1801885.	21.0	43
7	Spin and orbital moments of nanoscale Fe3O4 epitaxial thin film on MgO/GaAs(100). Applied Physics Letters, 2014, 104, .	3.3	39
8	Determination of spin Hall angle and spin diffusion length in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -phase-dominated tantalum. Physical Review Materials, 2018, 2, .	2.4	35
9	Transient enhancement of magnetization damping in CoFeB film via pulsed laser excitation. Applied Physics Letters, 2016, 109, .	3.3	26
10	The spin Hall angle and spin diffusion length of Pd measured by spin pumping and microwave photoresistance. Journal of Applied Physics, 2014, 115, .	2.5	25
11	Magnetic Properties of (Ni$_{83}$Fe$_{17}$)$_{1 - {m x}}$-Gd$_{m x}$ Thin Films with Diluted Gd Doping. IEEE Transactions on Magnetics, 2009, 45, 4004-4007.	2.1	22
12	Magnonic Unidirectional Spin Hall Magnetoresistance in a Heavy-Metalâ€“Ferromagnetic-Insulator Bilayer. Physical Review Letters, 2021, 127, 207206.	7.8	19
13	Exchange bias training relaxation in spin glass/ferromagnet bilayers. Applied Physics Letters, 2016, 108, .	3.3	18
14	Depinning of domain walls in permalloy nanowires with asymmetric notches. Scientific Reports, 2016, 6, 32617.	3.3	17
15	Gilbert damping in CoFeB/GaAs(001) film with enhanced in-plane uniaxial magnetic anisotropy. Scientific Reports, 2017, 7, 43971.	3.3	17
16	Magnetization dependence of training effect of exchange coupling in ferromagnet/FeMn bilayers. Applied Physics Letters, 2002, 81, 3428-3430.	3.3	16
17	Revealing thermally driven distortion of magnon dispersion by spin Seebeck effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	16
18	Effects of substrate on structure and the magnetic properties of (001)-textured FePt films grown at low temperature. Journal of Applied Physics, 2012, 111, 07A704.	2.5	15

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19	L10-FePt based exchange coupled composite films with soft [Co/Ni]N multilayers. Journal of Applied Physics, 2012, 111, 103916.	2.5	15
20	Interfacial coupling and negative spin Hall magnetoresistance in Pt/NiO/YIG. Applied Physics Letters, 2018, 113, .	3.3	15
21	Coercivity enhancement in exchange-biased ferromagnet/FeMn bilayers. Physical Review B, 2002, 66, .	3.2	12
22	Effect of thermal stability on magnetoresistance in NiO spin valve. Journal of Applied Physics, 2004, 95, 7294-7296.	2.5	12
23	Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on Different Orientational GaAs Substrates. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	12
24	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 24285-24294.	8.0	12
25	The influence of interface on spin pumping effect in Ni80Fe20â€‰/Tb bilayer. AIP Advances, 2016, 6, 056120.	1.3	12
26	Room-temperature ferrimagnetic multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiF</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin f	2.4	12
27	Enhanced spin accumulation in metallic bilayers with opposite spin Hall angles. Physical Review B, 2019, 99, .	3.2	11
28	Martensitic transformation and large exchange bias in Mn-rich Niâ€“Mnâ€“Sn thin films on mica substrates. Journal of Alloys and Compounds, 2020, 827, 154303.	5.5	11
29	The effect of growth sequence on magnetization damping in Ta/CoFeB/MgO structures. Journal of Magnetism and Magnetic Materials, 2018, 450, 65-69.	2.3	10
30	Observation of the evolution of anisotropic magnetoresistance in thin magnetic films. Journal of Applied Physics, 1997, 82, 485-487.	2.5	9
31	Large anisotropy of magnetic damping in amorphous CoFeB films on GaAs(001). Journal of Physics Condensed Matter, 2020, 32, 335804.	1.8	9
32	Ferromagnetic photocatalysts of FeTiO3â€“Fe2O3 nanocomposites. RSC Advances, 2017, 7, 54594-54602.	3.6	8
33	Effect of Dilute Rare-Earth Doping on Magnetodynamic Properties of Permalloy Films. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	8
34	Electronic structures and magnetic studies of SmFeO3 thin films and powders. Journal of Magnetism and Magnetic Materials, 2021, 527, 167724.	2.3	8
35	Ferromagnetic behavior in Mnâ€doped LaAlO₃ single crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 97-100.	0.8	7
36	Reduced interfacial magnetic moment of Y3Fe5O12 by capping Pt. Applied Physics Letters, 2018, 113, 182402.	3.3	7

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37	Electric Control of Exchange Bias at Room Temperature by Resistive Switching via Electrochemical Metallization. ACS Applied Materials & Interfaces, 2022, 14, 26941-26948.	8.0	7
38	Exchange bias of perpendicularly magnetized [Co/Pt]3/IrMn multilayer on porous anodized alumina. Journal of Applied Physics, 2013, 113, .	2.5	6
39	The Longitudinal Spin Seebeck Coefficient of Fe. IEEE Magnetics Letters, 2019, 10, 1-5.	1.1	6
40	Electric control of exchange bias in Co/FeOx bilayer by resistive switching. AIP Advances, 2020, 10, 015306.	1.3	6
41	Strong in-plane anisotropy of magneto-optical Kerr effect in corrugated cobalt films deposited on highly ordered two-dimensional colloidal crystals. Applied Physics Letters, 2011, 98, 031903.	3.3	5
42	Element specific spin and orbital moments of nanoscale CoFeB amorphous thin films on GaAs(100). AIP Advances, 2016, 6, 095011.	1.3	5
43	The evolution of in-plane magnetic anisotropy in CoFeB/GaAs(001) films annealed at different temperatures. AIP Advances, 2018, 8, 056101.	1.3	5
44	Electrical generation and detection of spin waves in polycrystalline YIG/Pt grown on silicon wafers. Materials Research Express, 2020, 7, 046105.	1.6	5
45	Direct observation of spin polarization in epitaxial Fe3O4(001)/MgO thin films grown by magnetron sputtering. Applied Physics Letters, 2022, 120, .	3.3	4
46	Effective tuning of spin mixing conductance at the Py/Cuâ€“Nd interface. Applied Physics Letters, 2022, 120, .	3.3	4
47	Structural and magnetic properties in the Heusler compounds Co_{3â^'x}Fe _x Al thin films. Journal Physics D: Applied Physics, 2022, 55, 395002.	2.8	4
48	Angular dependence of magnetization reversal in exchange-biased Coâ•Pt multilayer with perpendicular magnetic anisotropy. Journal of Applied Physics, 2008, 103, 07C110.	2.5	3
49	Stochastic domain wall depinning in permalloy nanowires with various types of notches. AIP Advances, 2016, 6, .	1.3	3
50	The Thickness-Dependent In-Plane Uniaxial Magnetic Anisotropy in Amorphous CoFeB Films on GaAs(001) Substrates. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2843-2848.	1.8	3
51	Spin Dynamic Damping of Py Induced by Gd Capping. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	3
52	Element-specific spin and orbital moments and perpendicular magnetic anisotropy in Ta/CoFeB/MgO structures. Journal of Applied Physics, 2020, 127, .	2.5	3
53	Electro-optically controlled efficiencies in a QPM coupled parametric process. Applied Physics B: Lasers and Optics, 2003, 76, 797-800.	2.2	2
54	Programmable Gilbert Damping in Py <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mo>/</mml:mo><mml:mi>Cu</mml:mi><mml:mo>/</mml:mo><mml:mi>Fe</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Co</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Tb</	3.8	2

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55	Anisotropic magnetostructural transition in epitaxial Mnâ€“Niâ€“Coâ€“Ti Heusler alloy thin film. Journal of Applied Physics, 2022, 131, 173902.	2.5	2
56	Epitaxial growth of high-entropy alloy thin film with spontaneous exchange bias. Journal of Applied Physics, 2022, 131, 233904.	2.5	2
57	Electron-Electron Interaction Effects in Magnetic Tunneling Junctions. Physica Status Solidi A, 2002, 189, 559-565.	1.7	1
58	Asymmetrical Dependence of Exchange Coupling in Synthetic Antiferromagnets FeMn/Co/Ru/Co on the Ferromagnetic Layer Thickness. Physica Status Solidi A, 2002, 191, 583-589.	1.7	1
59	Stability of the magnetoresistance for NiO-containing Co/Cu/Co spin valves naturally placed in air. Applied Physics A: Materials Science and Processing, 2008, 91, 671-674.	2.3	1
60	Tuning the exchange bias training effect in topâ€•and bottomâ€pinning FeNi/FeMn bilayers. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2369-2372.	1.8	1
61	Magnetoresistance effect in permalloy nanowires with various types of notches. AIP Advances, 2018, 8, 055924.	1.3	1
62	Influence of a Magnetic Field on the Growth and Magnetic Properties of Zn_{0.15}Fe_{2.85}O₄ Nanoparticle Chains. Journal of Physical Chemistry C, 2021, 125, 2045-2054.	3.1	1
63	Tuning interfacial spin pump in Ta/CoFeB/MgO films by ultrafast laser pulse. Applied Physics Letters, 2021, 119, 092404.	3.3	1
64	Comparison Between Top and Bottom NiO-Pinning Spin Valves: Correlation Between the Extraordinary Hall Effect and Resistivity. IEEE Transactions on Magnetics, 2007, 43, 2842-2844.	2.1	0
65	Tuning the exchange bias training effect in top and bottom pinning FeNi/FeMn bilayers. , 2010, , .		0
66	Structural and magnetic properties in the nonstoichiometric perovskite-type oxides La<inf>0.67</inf>Sr<inf>0.15</inf>â–¡<inf>0.18</inf>MnO<inf>3â^'Î´</inf>. , 2010, , .		0
67	Effects of thermal treatment on structure and magnetic properties of nonstoichiometric perovskiteâ€type oxides La_{0.67}Sr_{0.15}â–¡_{0.18}MnO_{3â€‹Î´} Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2365-2368.	1.8	0