Yong Wu

List of Publications by Year in descending order

53 papers	550 citations	623734 14 h-index	642732 23 g-index
54 all docs	54 docs citations	54 times ranked	830 citing authors

#	Article	IF	Citations
1	Intrinsic room temperature ferromagnetism in boron-doped ZnO. Applied Physics Letters, 2010, 97, .	3.3	66
2	Spin Hall magnetoresistance in an antiferromagnetic magnetoelectric Cr2O3/heavy-metal W heterostructure. Applied Physics Letters, 2017, 110, .	3.3	47
3	Negative spin Hall magnetoresistance in antiferromagnetic Cr2O3/Ta bilayer at low temperature region. Applied Physics Letters, 2018, 112, .	3.3	45
4	Anomalous Hall effect and spin-orbit torques in MnGa/IrMn films: Modification from strong spin Hall effect of the antiferromagnet. Physical Review B, 2016, 94, .	3.2	35
5	Effects of a chemically modified multiwall carbon nanotubes on electro-optical properties of PDLC films. Liquid Crystals, 2018, 45, 1023-1031.	2.2	35
6	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. Physical Chemistry Chemical Physics, 2017, 19, 2353-2358.	2.8	31
7	Modulated switching current density and spin-orbit torques in MnGa/Ta films with inserting ferromagnetic layers. Scientific Reports, 2016, 6, 38375.	3.3	30
8	Low-energy Resistive Random Access Memory Devices with No Need for a Compliance Current. Scientific Reports, 2015, 5, 10409.	3.3	25
9	Enhanced spin-orbit torques in MnAl/Ta films with improving chemical ordering. Applied Physics Letters, 2017, 110, .	3.3	19
10	Robust emergence of a topological Hall effect in MnGa/heavy metal bilayers. Physical Review B, 2018, 97, .	3.2	19
11	Electronic structures of Heusler alloy Co2FeAl1â^'x Si x surface. Rare Metals, 2012, 31, 107-111.	7.1	17
12	Spinâ€“orbit torque-induced multiple magnetization switching behaviors in synthetic antiferromagnets. Applied Physics Letters, 2020, 117, .	3.3	17
13	The Anomalous Hall Effect of Co₂FeAl_{0.5}Si_{0.5}/Pt Multilayers with Perpendicular Magnetic Anisotropy. Applied Physics Express, 2013, 6, 113003.	2.4	15
14	Perpendicular magnetic anisotropy and thermal stability in Co2FeAl0.5Si0.5/Pt multilayers. Applied Physics A: Materials Science and Processing, 2014, 117, 773-779.	2.3	15
15	Perpendicular magnetic anisotropy of Pt/Co₂FeAl_{0.5}Si_{0.5}/MgAl₂O₄ trilayers. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2780-2784.	1.8	15
16	Perpendicular Magnetic Anisotropy in Co-Based Full Heusler Alloy Thin Films. Spin, 2015, 05, 1540012.	1.3	14
17	Electronic structures of new tunnel barrier spinel MgAl2O4: first-principles calculations. Rare Metals, 2012, 31, 112-116.	7.1	10
18	Effects of annealing and Mg<scp>O</scp> thickness on perpendicular magnetic anisotropy in Pt/<scp>C</scp>o₂<scp>F</scp>e<scp>A</scp>l_{0.5}<scp>S</scp>i_{0.5}/<scp>M</scp>g<scp>O</scp> multilayers. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 606-610.	1.8	10

#	Article	IF	Citations
19	Strain-controlled giant magnetoresistance of a spin valve grown on a flexible substrate. RSC Advances, 2016, 6, 88090-88095.	3.6	9
20	Ultra-large non-volatile modulation of magnetic moments in PbZr0.2Ti0.8O3/MgO/La0.7Sr0.3MnO3 heterostructure at room temperature via interfacial polarization mediation. Scientific Reports, 2017, 7, 2627.	3.3	8
21	The effects of tungsten concentration on crystalline structure and perpendicular magnetic anisotropy of Co-W films. AIP Advances, 2014, 4, 127156.	1.3	7
22	Large modulation of perpendicular magnetic anisotropy in a BiFeO3/Al2O3/Pt/Co/Pt multiferroic heterostructure via spontaneous polarizations. Applied Physics Letters, 2018, 113, 062401.	3.3	7
23	Lateral Electricâ€Fieldâ€Controlled Perpendicular Magnetic Anisotropy and Currentâ€Induced Magnetization Switching in Multiferroic Heterostructures. Advanced Electronic Materials, 2020, 6, 2000229.	5.1	7
24	Hybrid magnetoresistance in Pt-based multilayers: Effect originated from strong interfacial spin-orbit coupling. Scientific Reports, 2016, 6, 20522.	3.3	6
25	Polarization modulation resistive switching in a lead-free ferroelectric Pt/Bi0.5Na0.5TiO3/La0.67Sr0.33MnO3 sandwiched heterostructure. Journal of Materials Science: Materials in Electronics, 2017, 28, 12816-12822.	2.2	5
26	The anisotropy of spin Hall magnetoresistance in Pt/YIG structures. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
27	Exchange bias on polycrystalline BiFeO3/Co2Fe(Al0.5Si0.5) heterostructures. Rare Metals, 2017, 36, 32-36.	7.1	4
28	Influence of disorder on magnetic properties and intrinsic anomalous hall effect in epitaxial Co2FeAl film. Solid State Communications, 2017, 254, 48-51.	1.9	4
29	Room-temperature spin transport in InAs nanowire lateral spin valve. RSC Advances, 2016, 6, 75736-75740.	3.6	3
30	Heteroepitaxial Pb0.9Sr0.1TiO3/Bi0.9La0.1FeO3/Pb0.9Sr0.1TiO3 multiferroic structure: an effective way to improve the electrical, ferroelectric and magnetic performance. Journal of Materials Science: Materials in Electronics, 2016, 27, 8080-8086.	2.2	3
31	Interfacial and Magnetic Properties of Pt/Co₂FeAl_{0.5}Si_{0.5}/MgO Multilayers With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
32	Strain-Controlled Giant Magnetoresistance in Spin Valves Grown on Shape Memory Alloys. ACS Applied Electronic Materials, 2019, 1, 910-918.	4.3	2
33	Comparative measurements of local and nonlocal spin Seebeck effect in YIG/Pt nano-thick films. Journal of Magnetism and Magnetic Materials, 2019, 476, 166-170.	2.3	2
34	Spin injection with large DC currents in YIG/Pt nanostructures. Physica B: Condensed Matter, 2019, 552, 130-135.	2.7	2
35	The Structural, Magnetic, and Transport Properties of the Pulsed Laserâ€Deposited Co₂FeAl Thin Films. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .	1.8	2
36	Current-induced domain wall motion in magnetic nanowires with different dimensions. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2030-2032.	5.1	1

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37	Electric-Field-Controlled Room Temperature AMR Switching in a NiFe/BiFeO₃/SrRuO₃/SrTiO₃ (111) Heterostructure. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	1
38	Magnon-Dragged Magnetoresistance and Spin Seebeck Effect in YIG/IrMn Thin Films. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	1
39	Tuning Effective Spin Hall Angles via Oxygen Vacancies in Multiferroic BiFeO 3 â€Based Heterostructures. Advanced Electronic Materials, 2019, 5, 1900435.	5.1	1
40	Room temperature spin Hall magnetoresistance at a hetero-interface between multiferroic Bi1.05La0.05FeO3 and heavy-metal Pt. Applied Physics Letters, 2022, 120, 062406.	3.3	1
41	Roomâ€Temperature Nonâ€Local Spin Transport in Fewâ€Layer Black Phosphorus Passivated with MgO. Advanced Electronic Materials, 0, , 2101048.	5.1	1
42	Robust interface-induced unusual anomalous Hall effect in Mn3Sn/Pt bilayers. Rare Metals, 2022, 41, 3012-3018.	7.1	1
43	Electric-field-controlled magnetization reversal in a NiFe/BiFeO<inf>3</inf>/SrRuO<inf>3</inf>/SrTiO<inf>3</inf> (111) multiferroic heterostructure. , 2015, , .		0
44	Interface charge induced non-volatile magnetic changes in La<inf>0.7</inf>Sr<inf>0.3</inf>MnO<inf>3</inf>/PbZr<inf>0.2</inf>Ti<inf>0.8</inf>O<inf>3</inf> multiferroic heterostructure. , 2015, , .		0
45	Perpendicular magnetic anisotropy of full-Heusler Co<inf>2</inf>FeAl<inf>0.5</inf>Si<inf>0.5</inf> films induced by MgAl<inf>2</inf>O<inf>4</inf> layer. , 2015, , .		0
46	Effect of doping on B2-phase ordering temperature of Co-based heusler alloy: An AB initio stud. , 2015, , .		0
47	Multiferroic properties in tetragonal and rhombohedral phase of BiFeO<inf>3</inf>/BaTiO<inf>3</inf> heterostructures. , 2015, , .		0
48	Electrical control of ferromagnetism in Heusler alloy Co<inf>2</inf>FeAl<inf>0.5</inf>Si<inf>0.5</inf> at room temperature. , 2015, , .		0
49	Electrical spin injection into InAs nanowires by local measurement. , 2015, , .		0
50	Impact of patterning processes on spin Hall magnetoresistance in Pt/YIG structures. Japanese Journal of Applied Physics, 2021, 60, 110901.	1.5	0
51	Spin-Orbit Torque Induced Magnetization Switching In Co/Pt Multilayer-based Synthetic Antiferromagnets.. , 2018, , .		0
52	Probing the Interlayer Exchange Coupling in Polycrystalline Co ₂ FeAl/Cr/Co ₂ FeAl Multilayers on Different Substrates. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100867.	1.8	0
53	Enhanced second harmonic Hall resistance in in-plane synthetic antiferromagnets. Applied Physics Letters, 2022, 120, 252404.	3.3	0