

Yong Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6945040/publications.pdf>

Version: 2024-02-01

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	The Structural, Magnetic, and Transport Properties of the Pulsed Laser-Deposited $\text{Co}_{2-x}\text{Fe}_x\text{Al}$ Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, .	1.8	2
2	Room temperature spin Hall magnetoresistance at a hetero-interface between multiferroic $\text{Bi}_{1.05}\text{La}_{0.05}\text{FeO}_3$ and heavy-metal Pt. <i>Applied Physics Letters</i> , 2022, 120, 062406.	3.3	1
3	Robust interface-induced unusual anomalous Hall effect in $\text{Mn}_3\text{Sn}/\text{Pt}$ bilayers. <i>Rare Metals</i> , 2022, 41, 3012-3018.	7.1	1
4	Enhanced second harmonic Hall resistance in in-plane synthetic antiferromagnets. <i>Applied Physics Letters</i> , 2022, 120, 252404.	3.3	0
5	The anisotropy of spin Hall magnetoresistance in Pt/YIG structures. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	5
6	Impact of patterning processes on spin Hall magnetoresistance in Pt/YIG structures. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 110901.	1.5	0
7	Spin-orbit torque-induced multiple magnetization switching behaviors in synthetic antiferromagnets. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	17
8	Lateral Electric-Field-Controlled Perpendicular Magnetic Anisotropy and Current-Induced Magnetization Switching in Multiferroic Heterostructures. <i>Advanced Electronic Materials</i> , 2020, 6, 2000229.	5.1	7
9	Tuning Effective Spin Hall Angles via Oxygen Vacancies in Multiferroic BiFeO_3 -Based Heterostructures. <i>Advanced Electronic Materials</i> , 2019, 5, 1900435.	5.1	1
10	Strain-Controlled Giant Magnetoresistance in Spin Valves Grown on Shape Memory Alloys. <i>ACS Applied Electronic Materials</i> , 2019, 1, 910-918.	4.3	2
11	Comparative measurements of local and nonlocal spin Seebeck effect in YIG/Pt nano-thick films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 476, 166-170.	2.3	2
12	Spin injection with large DC currents in YIG/Pt nanostructures. <i>Physica B: Condensed Matter</i> , 2019, 552, 130-135.	2.7	2
13	Robust emergence of a topological Hall effect in $\text{MnGa}/\text{heavy metal}$ bilayers. <i>Physical Review B</i> , 2018, 97, .	3.2	19
14	Effects of a chemically modified multiwall carbon nanotubes on electro-optical properties of PDLC films. <i>Liquid Crystals</i> , 2018, 45, 1023-1031.	2.2	35
15	Negative spin Hall magnetoresistance in antiferromagnetic $\text{Cr}_2\text{O}_3/\text{Ta}$ bilayer at low temperature region. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	45
16	Magnon-Dragged Magnetoresistance and Spin Seebeck Effect in YIG/IrMn Thin Films. <i>IEEE Transactions on Magnetics</i> , 2018, 54, 1-5.	2.1	1
17	Large modulation of perpendicular magnetic anisotropy in a $\text{BiFeO}_3/\text{Al}_2\text{O}_3/\text{Pt}/\text{Co}/\text{Pt}$ multiferroic heterostructure via spontaneous polarizations. <i>Applied Physics Letters</i> , 2018, 113, 062401.	3.3	7
18	Spin-Orbit Torque Induced Magnetization Switching In Co/Pt Multilayer-based Synthetic Antiferromagnets., 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Exchange bias on polycrystalline BiFeO ₃ /Co ₂ Fe(Al _{0.5} Si _{0.5}) heterostructures. Rare Metals, 2017, 36, 32-36.	7.1	4
20	Enhanced spin-orbit torques in MnAl/Ta films with improving chemical ordering. Applied Physics Letters, 2017, 110, .	3.3	19
21	Ultra-large non-volatile modulation of magnetic moments in PbZr _{0.2} Ti _{0.8} O ₃ /MgO/La _{0.7} Sr _{0.3} MnO ₃ heterostructure at room temperature via interfacial polarization mediation. Scientific Reports, 2017, 7, 2627.	3.3	8
22	Polarization modulation resistive switching in a lead-free ferroelectric Pt/Bi _{0.5} Na _{0.5} TiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ sandwiched heterostructure. Journal of Materials Science: Materials in Electronics, 2017, 28, 12816-12822.	2.2	5
23	Influence of disorder on magnetic properties and intrinsic anomalous hall effect in epitaxial Co ₂ FeAl film. Solid State Communications, 2017, 254, 48-51.	1.9	4
24	Broadband reflection in polymer stabilized cholesteric liquid crystal films with stepwise photo-polymerization. Physical Chemistry Chemical Physics, 2017, 19, 2353-2358.	2.8	31
25	Spin Hall magnetoresistance in an antiferromagnetic magnetoelectric Cr ₂ O ₃ /heavy-metal W heterostructure. Applied Physics Letters, 2017, 110, .	3.3	47
26	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
27	Modulated switching current density and spin-orbit torques in MnGa/Ta films with inserting ferromagnetic layers. Scientific Reports, 2016, 6, 38375.	3.3	30
28	Hybrid magnetoresistance in Pt-based multilayers: Effect originated from strong interfacial spin-orbit coupling. Scientific Reports, 2016, 6, 20522.	3.3	6
29	Perpendicular magnetic anisotropy of Pt/Co ₂ /FeAl _{0.5} /Si _{0.5} /MgAl ₂ O ₄ trilayers. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2780-2784.	1.8	15
30	Room-temperature spin transport in InAs nanowire lateral spin valve. RSC Advances, 2016, 6, 75736-75740.	3.6	3
31	Strain-controlled giant magnetoresistance of a spin valve grown on a flexible substrate. RSC Advances, 2016, 6, 88090-88095.	3.6	9
32	Heteroepitaxial Pb _{0.9} Sr _{0.1} TiO ₃ /Bi _{0.9} La _{0.1} FeO ₃ /Pb _{0.9} Sr _{0.1} TiO ₃ 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
33	Electric-field-controlled magnetization reversal in a NiFe/BiFeO ₃ /SrRuO ₃ /SrTiO ₃ (111) multiferroic heterostructure. , 2015, , .		0
34	Interface charge induced non-volatile magnetic changes in La _{0.7} Sr _{0.3} MnO ₃ /PbZr _{0.2} Ti _{0.8} O ₃ multiferroic heterostructure. , 2015, , .		0
35	Perpendicular magnetic anisotropy of full-Heusler Co ₂ FeAlSi _{0.5} films induced by MgAl ₂ O ₄ layer. , 2015, , .		0
36	Effect of doping on B2-phase ordering temperature of Co-based heusler alloy: An AB initio stud. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Low-energy Resistive Random Access Memory Devices with No Need for a Compliance Current. Scientific Reports, 2015, 5, 10409.	3.3	25
38	Multiferroic properties in tetragonal and rhombohedral phase of BiFeO ₃ /BaTiO ₃ heterostructures. , 2015, , .		0
39	Perpendicular Magnetic Anisotropy in Co-Based Full Heusler Alloy Thin Films. Spin, 2015, 05, 1540012.	1.3	14
40	Electrical control of ferromagnetism in Heusler alloy Co ₂ FeAl _{0.5} Si _{0.5} at room temperature. , 2015, , .		0
41	Electric-Field-Controlled Room Temperature AMR Switching in a NiFe/BiFeO ₃ /SrRuO ₃ /SrTiO ₃ (111) Heterostructure. IEEE Transactions on Magnetics, 2015, 51, 1-3.	2.1	1
42	Electrical spin injection into InAs nanowires by local measurement. , 2015, , .		0
43	Perpendicular magnetic anisotropy and thermal stability in Co ₂ FeAl _{0.5} Si _{0.5} /Pt multilayers. Applied Physics A: Materials Science and Processing, 2014, 117, 773-779.	2.3	15
44	The effects of tungsten concentration on crystalline structure and perpendicular magnetic anisotropy of Co-W films. AIP Advances, 2014, 4, 127156.	1.3	7
45	Effects of annealing and MgO thickness on perpendicular magnetic anisotropy in Pt/Co ₂ FeAl _{0.5} Si _{0.5} /MgO multilayers. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 606-610.		
46	Interfacial and Magnetic Properties of Pt/Co ₂ FeAl _{0.5} Si _{0.5} /MgO Multilayers With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
47	The Anomalous Hall Effect of Co ₂ FeAl _{0.5} Si _{0.5} /Pt Multilayers with Perpendicular Magnetic Anisotropy. Applied Physics Express, 2013, 6, 113003.	2.4	15
48	Current-induced domain wall motion in magnetic nanowires with different dimensions. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2030-2032.	5.1	1
49	Electronic structures of Heusler alloy Co ₂ FeAl _{1-x} Si _x surface. Rare Metals, 2012, 31, 107-111.	7.1	17
50	Electronic structures of new tunnel barrier spinel MgAl ₂ O ₄ : first-principles calculations. Rare Metals, 2012, 31, 112-116.	7.1	10
51	Intrinsic room temperature ferromagnetism in boron-doped ZnO. Applied Physics Letters, 2010, 97, .	3.3	66
52	Room-Temperature Non-Local Spin Transport in Few-Layer Black Phosphorus Passivated with MgO. Advanced Electronic Materials, 0, , 2101048.	5.1	1
53	Probing the Interlayer Exchange Coupling in Polycrystalline Co ₂ FeAl/Cr/Co Multilayers on Different Substrates. Physica Status Solidi (A) Applications and Materials Science, 0, , 2100867.	1.8	0