

# Zhong Shi

## List of Publications by Year in descending order

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68  
papers

1,508  
citations

361296

20  
h-index

315616

38  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation and Detection of Dresselhaus-Like Spin Current in a Single-Crystal Ferromagnetic Metal. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	5
2	Adjustable magnetoresistance in semiconducting carbonized phthalonitrile resin. <i>Chemical Communications</i> , 2021, 57, 9894-9897.	2.2	4
3	Complex anomalous Hall effect of CoGd alloy near the magnetization compensation temperature. <i>Physical Review B</i> , 2021, 103, .	1.1	17
4	Modulating the Verwey Transition of Epitaxial Magnetite Thin Films by Ionic Gating. <i>Advanced Functional Materials</i> , 2021, 31, 2104816.	7.8	1
5	Role of Magnon-Magnon Scattering in Magnon Polaron Spin Seebeck Effect. <i>Physical Review Letters</i> , 2021, 127, 277203.	2.9	6
6	Static and dynamic origins of interfacial anomalous Hall effect in W/YIG heterostructures. <i>Applied Physics Letters</i> , 2020, 117, 122405.	1.5	6
7	Thermal relaxation of magnons and phonons near resonance points in magnetic insulators. <i>Europhysics Letters</i> , 2020, 129, 57001.	0.7	1
8	Anomalous Nernst Effect in Epitaxial $L_{1-x}Mn_xO$ Alloy Films: Berry Curvature and Thermal Spin Current. <i>Physical Review Applied</i> , 2020, 13, .	1.5	14
9	Magnetization switching induced by magnetic field and electric current in perpendicular TbG/Pt bilayers. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	17
10	Tuning of the intrinsic magnetic damping parameter in epitaxial CoNi(001) films : Role of the band-filling effect. <i>Physical Review B</i> , 2019, 100, .	1.1	5
11	Anomalous Nernst effect in disordered FePtPd ternary alloy films. <i>AIP Advances</i> , 2019, 9, .	0.6	2
12	Thickness dependent structural ordering and magnetic properties of $Co_2FeSi$ films with or without a Cr buffer layer. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 355005.	1.3	4
13	Spin Seebeck Effect from Antiferromagnetic Magnons and Critical Spin Fluctuations in Epitaxial $FeF_2$ Films. <i>Physical Review Letters</i> , 2019, 122, 217204.	2.9	38
14	Asymmetric Spin-Orbit-Torque-Induced Magnetization Switching With a Noncollinear In-Plane Assisting Magnetic Field. <i>Physical Review Applied</i> , 2019, 11, .	1.5	20
15	Gate voltage tuning of spin current in Pt/yttrium iron garnet heterostructure. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 175304.	1.3	5
16	Anomalous Nernst effect in epitaxial Fe and $Fe_xNi_{1-x}$ alloy thin films. <i>AIP Advances</i> , 2019, 9, 035227.	0.6	4
17	Nanoscale probing of asymmetric magnetization reversal in perpendicularly exchange biased Pt/Co/Pt/IrMn multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 474, 127-131.	1.0	2
18	Characterization and Manipulation of Spin Orbit Torque in Magnetic Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1705699.	11.1	85

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19	Enhanced Reactivity and Electron Selectivity of Sulfidated Zerovalent Iron toward Chromate under Aerobic Conditions. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2988-2997.	4.6	207
20	Ferromagnet structural tuning of interfacial symmetry breaking and spin Hall angle in ferromagnet/heavy metal bilayers. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	7
21	The ferromagnetic resonance in $WxMo_{1-x}YIG$ heterostructures. <i>AIP Advances</i> , 2018, 8, 056120.	0.6	2
22	Clear evidence of interfacial anomalous Hall effect in epitaxial $L_1_0$ FePt and FePd films. <i>Physical Review B</i> , 2018, 98, .	1.4	11
23	Enhanced Cr(VI) removal by zero-valent iron coupled with weak magnetic field: Role of magnetic gradient force. <i>Separation and Purification Technology</i> , 2017, 176, 40-47.	3.9	63
24	Direct observation of magnon-phonon coupling in yttrium iron garnet. <i>Physical Review B</i> , 2017, 96, .	1.1	61
25	Deficiency of the bulk spin Hall effect model for spin-orbit torques in magnetic-insulator/heavy-metal heterostructures. <i>Physical Review B</i> , 2017, 95, .	1.1	23
26	Effect of band filling on anomalous Hall conductivity and magneto-crystalline anisotropy in NiFe epitaxial thin films. <i>AIP Advances</i> , 2016, 6, 015101.	0.6	8
27	Crystal growth, spin reorientation and magnetic anisotropy of $YFe_{0.8}Mn_{0.2}O_3$ single crystal. <i>Solid State Communications</i> , 2016, 247, 64-67.	0.9	4
28	Ferroic phase transitions and switching properties of modified $BiFeO_3/SrTiO_3$ multiferroic perovskites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12067-12073.	1.1	12
29	A Simple Model to Describe Different Types of Exchange Bias Training Effect. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 531-536.	0.8	4
30	Magnetotransport in metal/insulating-ferromagnet heterostructures: Spin Hall magnetoresistance or magnetic proximity effect. <i>Physical Review B</i> , 2015, 92, .	1.1	60
31	Temperature-Dependent Asymmetry of Anisotropic Magnetoresistance in Silicon p-n Junctions. <i>Scientific Reports</i> , 2015, 5, 11096.	1.6	13
32	Mapping motion of antiferromagnetic interfacial uncompensated magnetic moment in exchange-biased bilayers. <i>Scientific Reports</i> , 2015, 5, 9183.	1.6	24
33	Fabrication and magnetocrystalline anisotropy of NiCo(002) films. <i>Chinese Physics B</i> , 2015, 24, 037507.	0.7	3
34	Improving the Reactivity of Zerovalent Iron by Taking Advantage of Its Magnetic Memory: Implications for Arsenite Removal. <i>Environmental Science &amp; Technology</i> , 2015, 49, 10581-10588.	4.6	59
35	Tuning Effects of Spin-Orbit Coupling in $L_1_0$ Ordered and Disordered FePdPt Films. <i>Spin</i> , 2015, 05, 1530004.	0.6	2
36	Thickness dependence of the anomalous Hall effect in disordered face-centered cubic FePt alloy films. <i>Chinese Physics B</i> , 2014, 23, 017104.	0.7	2

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37	Asymmetric exchange bias training effect in spin glass (FeAu)/FeNi bilayers. Chinese Physics B, 2014, 23, 107502.	0.7	8
38	Magneto-optical Kerr effect in L1 FePdPt ternary alloys: Experiments and first-principles calculations. Journal of Applied Physics, 2014, 115, .	1.1	5
39	Tuning magnetotransport in PdPt/Y3Fe5O12: Effects of magnetic proximity and spin-orbit coupling. Applied Physics Letters, 2014, 105, 012408.	1.5	23
40	Magnetization reversal in perpendicularly magnetized L1 FePd/FePt heterostructures. Journal of Applied Physics, 2014, 116, .	1.1	9
41	Angular dependence of the magnetoresistance effect in a silicon based p-n junction device. Nanoscale, 2014, 6, 3978-3983.	2.8	20
42	Exchange bias in ferromagnet/antiferromagnet bilayers. Chinese Physics B, 2014, 23, 027503.	0.7	23
43	Coupled Effects of Aging and Weak Magnetic Fields on Sequestration of Selenite by Zero-Valent Iron. Environmental Science & Technology, 2014, 48, 6326-6334.	4.6	139
44	The absence of exchange bias with (001)-oriented tetragonal-like BiFeO3 films. Physica Status Solidi (B): Basic Research, 2014, 251, 892-897.	0.7	3
45	Tunable interface anisotropy in a Pt/Co1-xFex/Pt multilayer. Chinese Physics B, 2013, 22, 067504.	0.7	5
46	Anomalous Hall effect in magnetic disordered alloys: Effects of spin orbital coupling. Journal of Applied Physics, 2013, 114, .	1.1	7
47	Anomalous Hall effect in epitaxial permalloy thin films. Journal of Applied Physics, 2013, 114, .	1.1	35
48	Tunable Magneto-Optical Kerr Effect in Fe Films Underneath a Two-Dimensional Array of Polystyrene Spheres Covered by Au Nanocaps. Chinese Physics Letters, 2013, 30, 037801.	1.3	1
49	Exchange bias of perpendicularly magnetized [Co/Pt]3/IrMn multilayer on porous anodized alumina. Journal of Applied Physics, 2013, 113, .	1.1	6
50	The subwavelength tuned magneto-optical Kerr effect in L1 <sub>0</sub> -FePt films with perpendicular magnetic anisotropy. Chinese Physics B, 2013, 22, 117803.	0.7	2
51	The Hysteretic Behavior of Angular Dependence of Exchange Bias in NiFe/granular-FeMn-MgO Bilayers. Chinese Physics Letters, 2013, 30, 027501.	1.3	0
52	Quadratic Scaling of Intrinsic Gilbert Damping with Spin-Orbital Coupling in $L_1$ -FePdPt Films: Experiments and Ab Initio Calculations. Physical Review Letters, 2013, 110, 077203.	2.9	139
53	Surface modes enhanced magneto-optical Kerr effect in Fe films underneath two-dimensional array of polystyrene spheres. Journal Physics D: Applied Physics, 2012, 45, 405002.	1.3	2
54	Chemical Composition Tuning of the Anomalous Hall Effect in Isoelectronic $L_1$ -FePt Films. Physical Review Letters, 2012, 109, 066402.	2.9	89

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55	Abnormal Temperature Dependence of Coercivity in Cobalt Nanowires. Chinese Physics Letters, 2012, 29, 077802.	1.3	4
56	Structure and magnetization reversal mechanism in L10 FePt films with perpendicular magnetic anisotropy. Thin Solid Films, 2012, 520, 5746-5751.	0.8	3
57	Torque approach for tuning exchange bias training effect in polycrystalline NiFe/FeMn bilayers. Applied Physics Letters, 2011, 98, 122507.	1.5	15
58	Tuning anomalous Hall conductivity in L1 FePt films by long range chemical ordering. Applied Physics Letters, 2011, 98, .	1.5	43
59	Composition-controlled exchange bias training effect in FeCr/IrMn bilayers. European Physical Journal B, 2011, 84, 173-176.	0.6	5
60	Correlation between isotropic ferromagnetic resonance field shift and rotatable anisotropy in polycrystalline NiFe/FeMn bilayers. Thin Solid Films, 2010, 518, 2175-2178.	0.8	6
61	Magneto-optical Kerr effect in perpendicularly magnetized Co/Pt films on two-dimensional colloidal crystals. Applied Physics Letters, 2009, 95, 032502.	1.5	23
62	Asymmetric recovery effect of exchange bias in polycrystalline NiFe/FeMn bilayers. Journal of Applied Physics, 2009, 106, 063903.	1.1	10
63	Exchange bias of NiFe/FeMn nanocaps. Journal Physics D: Applied Physics, 2009, 42, 065003.	1.3	5
64	Exchange bias, training effect, hysteretic behavior of angular dependence, and rotational hysteresis loss in NiFe/FeMn bilayer: Effect of antiferromagnet layer thickness. Journal of Applied Physics, 2009, 105, 053913.	1.1	18
65	Exchange bias in NiFe/granular-FeMn/MgO bilayers. Applied Physics Letters, 2008, 93, .	1.5	9
66	Anomalous training effect of perpendicular exchange bias in Pt/Co/Pt/IrMn multilayers. Applied Physics Letters, 2008, 93, .	1.5	19
67	Hysteretic behavior of angular dependence of exchange bias in FeNi/FeMn bilayers: A new signature. Journal of Applied Physics, 2008, 103, 07E926.	1.1	3
68	Delayed-switch-on effect in metal-insulator-metal organic memories. Applied Physics Letters, 2007, 91, 143511.	1.5	25