## Wei He

## List of Publications by Year in descending order

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567281 642732 64 706 15 23 citations h-index g-index papers 65 65 65 1042 docs citations citing authors all docs times ranked

#	Article	IF	CITATIONS
1	Electric-Field Modulation of Interface Magnetic Anisotropy and Spin Reorientation Transition in (Co/Pt) < sub > 3 < / sub > /PMN–PT Heterostructure. ACS Applied Materials & amp; Interfaces, 2017, 9, 10855-10864.	8.0	56
2	Synthesis and magnetic properties of Fe3Pt nanowire arrays fabricated by electrodeposition. Applied Physics Letters, 2005, 86, 232506.	3.3	45
3	Ultrafast Photoinduced Multimode Antiferromagnetic Spin Dynamics in Exchangeâ€Coupled Fe/RFeO <sub>3</sub> (R = Er or Dy) Heterostructures. Advanced Materials, 2018, 30, e1706439.	21.0	37
4	Large Tunable Spin-to-Charge Conversion Induced by Hybrid Rashba and Dirac Surface States in Topological Insulator Heterostructures. Nano Letters, 2019, 19, 4420-4426.	9.1	37
5	Ultrafast demagnetization enhancement in CoFeB/MgO/CoFeB magnetic tunneling junction driven by spin tunneling current. Scientific Reports, 2013, 3, 2883.	3.3	29
6	Applied field Mössbauer study of shape anisotropy in Fe nanowire arrays. Applied Physics Letters, 2004, 85, 4690-4692.	3.3	28
7	Unifying ultrafast demagnetization and intrinsic Gilbert damping in Co/Ni bilayers with electronic relaxation near the Fermi surface. Physical Review B, 2017, 96, .	3.2	28
8	Observation of a Griffiths-like phase in bilayered manganites. Applied Physics Letters, 2007, 90, 032502.	3.3	26
9	Symmetry breaking induced magnon-magnon coupling in synthetic antiferromagnets. Physical Review B, 2021, 103, .	3.2	25
10	Summertime aerosol chemical components in the marine boundary layer of the Arctic Ocean. Journal of Geophysical Research, 2006, $111$ , n/a-n/a.	3.3	22
11	Surface morphology and magnetic anisotropy of obliquely deposited Co/Si(111) films. Applied Physics Letters, 2010, 97, 022507.	3.3	22
12	Determination of magnetic anisotropies in ultrathin iron films on vicinal Si(111) substrate by the ferromagnetic resonance. Applied Physics Letters, 2010, 96, 142511.	3.3	21
13	Tuning magnetic anisotropies of Fe films on Si(111) substrate via direction variation of heating current. Scientific Reports, 2013, 3, 1547. Enhancement of ultrafast demagnetization rate and Gilbert damping driven by femtosecond	3.3	20
14	raser-induced spin currents in <mmi:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mrow><mml:mi mathvariant="normal"&gt;F<mml:msub><mml:mi mathvariant="normal"&gt;e<mml:mn>81</mml:mn></mml:mi </mml:msub><mml:mi< td=""><td>3.2</td><td>19</td></mml:mi<></mml:mi </mml:mrow></mmi:math 	3.2	19
15	mathvariant="normal">G <mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>19 Probing temperature-driven spin reorientation transition of GdFeCo film by Kerr loops and ferromagnetic resonance. Applied Physics Letters, 2015, 106, .</mml:mn></mml:msub>	3.3	17
16	Three-Dimensional Limit of Bulk Rashba Effect in Ferroelectric Semiconductor GeTe. Nano Letters, 2021, 21, 77-83.	9.1	17
17	Analysis of the elemental sulfur bio-oxidation by Acidithiobacillus ferrooxidans with sulfur K-edge XANES. World Journal of Microbiology and Biotechnology, 2011, 27, 1927-1931.	3.6	15
18	Laser-induced magnetization dynamics in a van der Waals ferromagnetic Cr2Ge2Te6 nanoflake. Applied Physics Letters, 2020, 116, .	3.3	15

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19	Structure and magnetic properties of the self-assembled Co52Pt48 nanowire arrays. Applied Physics Letters, 2008, 92, .	3.3	14
20	Determination of magnetic anisotropy constants and domain wall pinning energy of Fe/MgO(001) ultrathin film by anisotropic magnetoresistance. Scientific Reports, 2015, 5, 14114.	3.3	14
21	Anisotropic Magnon–Magnon Coupling in Synthetic Antiferromagnets. Chinese Physics Letters, 2021, 38, 057502.	3.3	12
22	Magnetic anisotropy of ultrathin Fe films grown on vicinal Si (111). AIP Advances, 2013, 3, .	1.3	11
23	Probing nonlinear magnetization dynamics in Fe/MgO(001) film by all optical pump-probe technique. Applied Physics Letters, 2014, 104, .	3.3	11
24	Visualizing Tailored Spin Phenomena in a Reducedâ€Dimensional Topological Superlattice. Advanced Materials, 2020, 32, e2005315.	21.0	11
25	Magnetization reversal asymmetry in [Co/Pt]/CoFe/IrMn multilayers with enhanced perpendicular exchange bias. Journal of Applied Physics, 2013, 113, .	2.5	10
26	Target station status of China Spallation Neutron Source. Neutron News, 2018, 29, 2-6.	0.2	10
27	Drag effect induced large anisotropic damping behavior in magnetic thin films with strong magnetic anisotropy. Journal of Physics Condensed Matter, 2021, 33, 175801.	1.8	9
28	Thermal reliability analysis of the central detector of JUNO. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	8
29	Determination of spin pumping effect in CoFeB/Ir bilayer. Journal of Magnetism and Magnetic Materials, 2020, 497, 165971.	2.3	8
30	Monte Carlo simulation of magnetic properties of irregular Fe islands on Pb/Si(111) substrate based on the scanning tunneling microscopy image. Applied Physics Letters, 2010, 96, 132502.	3.3	7
31	Nano-faceting of Cu capping layer grown on Fe/Si (111) and its effect on magnetic anisotropy. Journal of Applied Physics, 2012, 112, .	2.5	7
32	The design of the small prototype for the central detector of JUNO. Radiation Detection Technology and Methods, 2018, 2, 1.	0.8	7
33	Large spin to charge conversion in the topological superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi><math>\hat{l}^2</math></mml:mi><mml:mtext><math>\hat{a}^2</math><td>ll:mstæxt&gt;&lt;</td><td>m<b>ភ</b>ាl:msub: «</td></mml:mtext></mml:mrow></mml:math>	ll:mstæxt><	m <b>ភ</b> ាl:msub: «
34	Characterizing the Magnetic Interfacial Coupling of the Fe/FeGe Heterostructure by Ferromagnetic Resonance. ACS Applied Materials & Samp; Interfaces, 2020, 12, 46908-46913.	8.0	7
35	Study of monolayer dispersion of MoO3 on muscovite powder and diffusing behavior of MoO3 on muscovite wafer by SR-TXRF. Journal of Materials Chemistry, 2003, 13, 102-105.	6.7	6
36	Effect of Cu buffer layer on magnetic anisotropy of cobalt thin films deposited on MgO(001) substrate. AIP Advances, 2016, 6, 115101.	1.3	6

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37	Characterizing magnetization reversal processes of GdFeCo film in the vicinity of the spin reorientation transition temperature. Journal of Magnetism and Magnetic Materials, 2019, 485, 369-373.	2.3	6
38	Strongly enhanced Gilbert damping anisotropy at low temperature in high quality single-crystalline Fe/MgO (0†0†1) thin film. Journal of Magnetism and Magnetic Materials, 2020, 496, 165950.	2.3	6
39	The measurement system of acrylic transmittance for the JUNO central detector. Radiation Detection Technology and Methods, 2020, 4, 284-292.	0.8	5
40	Study of the diffusion behaviour of MoO3 and ZnO on oxide thin films by SR-TXRF. Surface and Interface Analysis, 2001, 32, 301-305.	1.8	4
41	Laser-Induced Magnetization Dynamics of GdFeCo Film Probing by Time Resolved Magneto-Optic Kerr Effect. Spin, 2015, 05, 1540014.	1.3	4
42	Study on acrylic transmittance for JUNO Central Detector. Radiation Detection Technology and Methods, 2021, 5, 284-289.	0.8	4
43	Current-induced magnetization switching in perpendicularly magnetized V/CoFeB/MgO multilayers. Physical Review B, 2021, 104, .	3.2	4
44	Structure design and compression experiment of the supporting node for JUNO PMMA detector. Radiation Detection Technology and Methods, 2020, 4, 345-355.	0.8	3
45	Laser measurement system for acrylic transmittance of JUNO central detector. Radiation Detection Technology and Methods, 2021, 5, 356-363.	0.8	3
46	Current-induced dynamics and tunable spectra of a magnetic chiral bobber. Physical Review B, 2021, 104, .	3.2	3
47	The effect of annealing temperature on the magnetic anisotropy in Co ultrathin film on MgO(001) substrate. AIP Advances, 2017, 7, 056326.	1.3	2
48	Ultra-low spectral reflectances of InP Mie resonators on an InGaAs/InP focal plane array. AIP Advances, 2020, 10, .	1.3	2
49	Research on the measurement of connecting bars' axial force of JUNO central detector. Radiation Detection Technology and Methods, 2020, 4, 362-371.	0.8	2
50	Enhanced negative magnetoresistance near the charge neutral point in Cr doped topological insulator. RSC Advances, 2021, 11, 13964-13969.	3.6	2
51	Topological surface state enhanced ultrafast spin dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Fe</mml:mi><mml:mo>/</mml:mo><td>&gt; <b>812</b>ml:m</td><td>su<b>b</b>&gt;<mml:n< td=""></mml:n<></td></mml:mrow></mml:math>	> <b>812</b> ml:m	su <b>b</b> > <mml:n< td=""></mml:n<>
52	SYNCHROTRON RADIATION XRF MICROPROBE STUDY OF HUMAN BONE TUMOR SLICE. International Journal of PIXE, 1999, 09, 175-180.	0.4	1
53	STUDY OF ELEMENTAL CONCENTRATION AND DISTRIBUTION IN HUMAN FEMORAL HEAD BY PIXE AND SRXRF. International Journal of PIXE, 2005, 15, 153-159.	0.4	1
54	SRXRF experiments and analytical methods of mineral individual fluid inclusions. Petroleum Science, 2007, 4, 63-67.	4.9	1

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55	Uniaxial magnetic anisotropy of quasi-one-dimensional Fe chains on Pb/Si: A Monte Carlo simulation. Journal of Applied Physics, 2010, 108, 083916.	2.5	1
56	Operation of the CSNS Penning surface Hâ^' ion source. Science China: Physics, Mechanics and Astronomy, 2011, 54, 245-248.	5.1	1
57	Unsymmetrical magnetization switching in Fe/Si(001) single crystalline film induced by weak bias field. Journal of Applied Physics, 2014, 115, 123910.	2.5	1
58	Thickness-induced spin-reorientation originated from competing magnetic shape anisotropies. AIP Advances, 2017, 7, 056311.	1.3	1
59	Anomalous Gilbert damping induced by the coexisting static and dynamic coupling in Fe/Pd/Fe trilayers. Physical Review B, 2021, 104, .	3.2	1
60	Evaluation of anti-osteoporosis in ovariectomized Wistar rats treated with antler blood by synchrotron radiation X-ray fluorescence microprobe. Spectroscopy, 2009, 23, 1-9.	0.8	1
61	Research on thermoforming process of JUNO large acrylic spherical panel. Radiation Detection Technology and Methods, 2022, 6, 122-128.	0.8	1
62	Mercury and lead in a single strand of pinnule of snow petrel (Pagodroma Nivea) in the Antarctic. Diqiu Huaxue, 2006, 25, 196-196.	0.5	0
63	Elemental distributions in rat olfactory bulbs after exposure to MnCl2 measured by synchrotron radiation X-ray fluorescence. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 589-593.	1.5	O
64	Design and Fabrication of InGaAs FPAs Integrated With InP Mie Resonators. IEEE Photonics Technology Letters, 2022, 34, 641-644.	2.5	0