

Wei He

List of Publications by Year in descending order

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64
papers

706
citations

567281

15
h-index

642732

23
g-index

65
all docs

65
docs citations

65
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on thermoforming process of JUNO large acrylic spherical panel. Radiation Detection Technology and Methods, 2022, 6, 122-128.	0.8	1
2	Topological surface state enhanced ultrafast spin dynamics of $\text{Fe}/\text{InP}/\text{Fe}$ heterostructures. Physical Review B, 2022, 105, .	3.2	12
3	Design and Fabrication of InGaAs FPAs Integrated With InP Mie Resonators. IEEE Photonics Technology Letters, 2022, 34, 641-644.	2.5	0
4	Three-Dimensional Limit of Bulk Rashba Effect in Ferroelectric Semiconductor GeTe. Nano Letters, 2021, 21, 77-83.	9.1	17
5	Enhanced negative magnetoresistance near the charge neutral point in Cr doped topological insulator. RSC Advances, 2021, 11, 13964-13969.	3.6	2
6	Symmetry breaking induced magnon-magnon coupling in synthetic antiferromagnets. Physical Review B, 2021, 103, .	3.2	25
7	Study on acrylic transmittance for JUNO Central Detector. Radiation Detection Technology and Methods, 2021, 5, 284-289.	0.8	4
8	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
9	Laser measurement system for acrylic transmittance of JUNO central detector. Radiation Detection Technology and Methods, 2021, 5, 356-363.	0.8	3
10	Anisotropic Magnon-Magnon Coupling in Synthetic Antiferromagnets. Chinese Physics Letters, 2021, 38, 057502.	3.3	12
11	Anomalous Gilbert damping induced by the coexisting static and dynamic coupling in Fe/Pd/Fe trilayers. Physical Review B, 2021, 104, .	3.2	1
12	Current-induced dynamics and tunable spectra of a magnetic chiral bobber. Physical Review B, 2021, 104, .	3.2	3
13	Current-induced magnetization switching in perpendicularly magnetized V/CoFeB/MgO multilayers. Physical Review B, 2021, 104, .	3.2	4
14	Determination of spin pumping effect in CoFeB/Ir bilayer. Journal of Magnetism and Magnetic Materials, 2020, 497, 165971.	2.3	8
15	Strongly enhanced Gilbert damping anisotropy at low temperature in high quality single-crystalline Fe/MgO ($0^\circ \leq \theta < 90^\circ$) thin film. Journal of Magnetism and Magnetic Materials, 2020, 496, 165950.	2.3	6
16	Large spin to charge conversion in the topological superconductor FeTe at room temperature. Physical Review B, 2020, 102, .	3.2	12
17	The measurement system of acrylic transmittance for the JUNO central detector. Radiation Detection Technology and Methods, 2020, 4, 284-292.	0.8	5
18	Ultra-low spectral reflectances of InP Mie resonators on an InGaAs/InP focal plane array. AIP Advances, 2020, 10, .	1.3	2

#	ARTICLE	IF	CITATIONS
19	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
20	Characterizing the Magnetic Interfacial Coupling of the Fe/FeGe Heterostructure by Ferromagnetic Resonance. ACS Applied Materials & Interfaces, 2020, 12, 46908-46913.	8.0	7
21	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
22	Visualizing Tailored Spin Phenomena in a Reduced-Dimensional Topological Superlattice. Advanced Materials, 2020, 32, e2005315.	21.0	11
23	Laser-induced magnetization dynamics in a van der Waals ferromagnetic Cr ₂ Ge ₂ Te ₆ nanoflake. Applied Physics Letters, 2020, 116, .	3.3	15
24	Thermal reliability analysis of the central detector of JUNO. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	8
25	Enhancement of ultrafast demagnetization rate and Gilbert damping driven by femtosecond laser-induced spin currents in $F_81e_{10}Gd_{10}Pt_{10}Mn_{10}Co_{10}Ni_{10}Cu_{10}Ag_{10}Au_{10}Pt_{10}Mn_{10}Co_{10}Ni_{10}Cu_{10}Ag_{10}Au_{10}$	3.2	19
26	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
27	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
28	The design of the small prototype for the central detector of JUNO. Radiation Detection Technology and Methods, 2018, 2, 1.	0.8	7
29	Target station status of China Spallation Neutron Source. Neutron News, 2018, 29, 2-6.	0.2	10
30	Ultrafast Photoinduced Multimode Antiferromagnetic Spin Dynamics in Exchange-Coupled Fe/RF ₃ (R = Er or Dy) Heterostructures. Advanced Materials, 2018, 30, e1706439.	21.0	37
31	Electric-Field Modulation of Interface Magnetic Anisotropy and Spin Reorientation Transition in (Co/Pt) ₃ /PMN/PT Heterostructure. ACS Applied Materials & Interfaces, 2017, 9, 10855-10864.	8.0	56
32	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
33	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
34	Thickness-induced spin-reorientation originated from competing magnetic shape anisotropies. AIP Advances, 2017, 7, 056311.	1.3	1
35	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
36	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

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37	Laser-Induced Magnetization Dynamics of GdFeCo Film Probing by Time Resolved Magneto-Optic Kerr Effect. Spin, 2015, 05, 1540014.	1.3	4
38	Probing temperature-driven spin reorientation transition of GdFeCo film by Kerr loops and ferromagnetic resonance. Applied Physics Letters, 2015, 106, .	3.3	17
39	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
40	Probing nonlinear magnetization dynamics in Fe/MgO(001) film by all optical pump-probe technique. Applied Physics Letters, 2014, 104, .	3.3	11
41	Ultrafast demagnetization enhancement in CoFeB/MgO/CoFeB magnetic tunneling junction driven by spin tunneling current. Scientific Reports, 2013, 3, 2883.	3.3	29
42	Tuning magnetic anisotropies of Fe films on Si(111) substrate via direction variation of heating current. Scientific Reports, 2013, 3, 1547.	3.3	20
43	Magnetization reversal asymmetry in [Co/Pt]/CoFe/IrMn multilayers with enhanced perpendicular exchange bias. Journal of Applied Physics, 2013, 113, .	2.5	10
44	Magnetic anisotropy of ultrathin Fe films grown on vicinal Si (111). AIP Advances, 2013, 3, .	1.3	11
45	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
46	Operation of the CSNS Penning surface H ⁺ ion source. Science China: Physics, Mechanics and Astronomy, 2011, 54, 245-248.	5.1	1
47	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
48	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
49	Surface morphology and magnetic anisotropy of obliquely deposited Co/Si(111) films. Applied Physics Letters, 2010, 97, 022507.	3.3	22
50	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
51	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
52	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
53	Structure and magnetic properties of the self-assembled Co ₅₂ Pt ₄₈ nanowire arrays. Applied Physics Letters, 2008, 92, .	3.3	14
54	Observation of a Griffiths-like phase in bilayered manganites. Applied Physics Letters, 2007, 90, 032502.	3.3	26

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55	Elemental distributions in rat olfactory bulbs after exposure to MnCl ₂ measured by synchrotron radiation X-ray fluorescence. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 272, 589-593.	1.5	0
56	SRXRF experiments and analytical methods of mineral individual fluid inclusions. <i>Petroleum Science</i> , 2007, 4, 63-67.	4.9	1
57	Summertime aerosol chemical components in the marine boundary layer of the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	22
58	Mercury and lead in a single strand of pinnule of snow petrel (<i>Pagodroma Nivea</i>) in the Antarctic. <i>Diqiu Huaxue</i> , 2006, 25, 196-196.	0.5	0
59	STUDY OF ELEMENTAL CONCENTRATION AND DISTRIBUTION IN HUMAN FEMORAL HEAD BY PIXE AND SRXRF. <i>International Journal of PIXE</i> , 2005, 15, 153-159.	0.4	1
60	Synthesis and magnetic properties of Fe ₃ Pt nanowire arrays fabricated by electrodeposition. <i>Applied Physics Letters</i> , 2005, 86, 232506.	3.3	45
61	Applied field Mössbauer study of shape anisotropy in Fe nanowire arrays. <i>Applied Physics Letters</i> , 2004, 85, 4690-4692.	3.3	28
62	Study of monolayer dispersion of MoO ₃ on muscovite powder and diffusing behavior of MoO ₃ on muscovite wafer by SR-TXRF. <i>Journal of Materials Chemistry</i> , 2003, 13, 102-105.	6.7	6
63	Study of the diffusion behaviour of MoO ₃ and ZnO on oxide thin films by SR-TXRF. <i>Surface and Interface Analysis</i> , 2001, 32, 301-305.	1.8	4
64	SYNCHROTRON RADIATION XRF MICROPROBE STUDY OF HUMAN BONE TUMOR SLICE. <i>International Journal of PIXE</i> , 1999, 09, 175-180.	0.4	1