

# Yajiu Zhang

## List of Publications by Year in descending order

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25  
papers

708  
citations

623734

14  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

971  
citing authors

#	ARTICLE	IF	CITATIONS
1	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. <i>Nature Astronomy</i> , 2021, 5, 378-384.	10.1	152
2	Measurement of the cosmic ray proton spectrum from 40 GeV to 100 TeV with the DAMPE satellite. <i>Science Advances</i> , 2019, 5, eaax3793.	10.3	121
3	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet Mn <sub>3</sub> Ga. <i>Scientific Reports</i> , 2017, 7, 515.	3.3	70
4	Measurement of the Cosmic Ray Helium Energy Spectrum from 70 GeV to 80 TeV with the DAMPE Space Mission. <i>Physical Review Letters</i> , 2021, 126, 201102.	7.8	66
5	Towards fully compensated ferrimagnetic spin gapless semiconductors for spintronic applications. <i>Europhysics Letters</i> , 2015, 111, 37009.	2.0	31
6	Ferromagnetic structures in Mn <sub>2</sub> CoGa and Mn <sub>2</sub> CoAl doped by Co, Cu, V, and Ti. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	30
7	Prediction of fully compensated ferrimagnetic spin-gapless semiconducting FeMnGa/Al/In half Heusler alloys. <i>IUCrj</i> , 2019, 6, 610-618.	2.2	29
8	Tailoring structural and magnetic properties of Mn <sub>3</sub> Fe <sub>x</sub> Ga <sub>1-x</sub> alloys towards multifunctional applications. <i>IUCrj</i> , 2018, 5, 794-800.	2.2	25
9	Role of <i>d-d</i> and <i>p-d</i> hybridization in CoTi-based magnetic semiconductors with 21 and 26 valence electrons. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 325001.	2.8	23
10	Room temperature metamagnetic transformation of a tough dual-phase Ni-Mn-Sn-Fe ferromagnetic shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154606.	5.5	22
11	Structure, magnetism, and magnetic compensation behavior of Co <sub>50-x</sub> Mn <sub>25</sub> Ga <sub>25+x</sub> and Co <sub>50-x</sub> Mn <sub>25+x</sub> Ga <sub>25</sub> Heusler alloys. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	21
12	A eutectic dual-phase design towards superior mechanical properties of heusler-type ferromagnetic shape memory alloys. <i>Acta Materialia</i> , 2019, 181, 278-290.	7.9	21
13	Role of covalent hybridization in the martensitic structure and magnetic properties of shape-memory alloys: The case of Ni <sub>50</sub> Mn <sub>5+x</sub> Ga <sub>35-x</sub> Cu <sub>10</sub> . <i>Applied Physics Letters</i> , 2013, 102, .	3.3	20
14	Effects of substrate bias and argon flux on the structure of titanium nitride films deposited by filtered cathodic arc plasma. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 95-101.	1.8	15
15	Giant exchange bias in Mn <sub>2</sub> FeGa with hexagonal structure. <i>Applied Physics Letters</i> , 2016, 109, 032408.	3.3	14
16	Insight-HXMT observations of Swift J0243.6+6124: the evolution of RMS pulse fractions at super-Eddington luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5498-5506.	4.4	10
17	Influence of order on the magnetic and electronic properties of quaternary half-metallic Heusler CoFeTiSn alloy. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155977.	5.5	9
18	Site preference, magnetic and electronic properties of half-metallic Vanadium-based full Heusler alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 517, 167379.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Single-neutron removal from $C_{14}^{15}O_{15}^{16}$ near 240 MeV/nucleon. <i>Physical Review C</i> , 2021, 104, .	2.9	8
20	Grain Size Effect of the $\hat{\Gamma}^3$ Phase Precipitation on Martensitic Transformation and Mechanical Properties of $Ni_{1-x}Mn_xSn_{1-x}$ Fe Heusler Alloys. <i>Materials</i> , 2021, 14, 2339.	2.9	5
21	Magnetic-field-induced transformation and strain in polycrystalline FeMnGa ferromagnetic shape memory alloys with high cold-workability. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	4
22	Evolution of diverse Hall effects during the successive magnetic phase transitions in $Mn_{2.5}Fe_{0.6}Sn_{0.9}$ Kagome-lattice alloy. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 115803.	1.8	2
23	Calibration of gamma-ray burst polarimeter POLAR. , 2015, , .		1
24	Influence of Symmetry from Crystal Structure and Chemical Environments of Magnetic Ions on the Fully Compensated Ferrimagnetism of Full Heusler $Cr_2YZ$ and $Mn_2YZ$ Alloys. <i>Symmetry</i> , 2022, 14, 988.	2.2	1
25	Exchange bias and anomalous Hall effect in a wide temperature range of 5–300 K in non-collinear antiferromagnetic $MnCrSn$ alloy. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 155002.	2.8	0