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	Influence of Symmetry from Crystal Structure and Chemical Environments of Magnetic Ions on the Fully Compensated Ferrimagnetism of Full Heusler Cr2YZ and Mn2YZ Alloys. Symmetry, 2022, 14, 988.	2.2	1
2	Site preference, magnetic and electronic properties of half-metallic Vanadium-based full Heusler alloys. Journal of Magnetism and Magnetic Materials, 2021, 517, 167379.	2.3	8
3	HXMT identification of a non-thermal X-ray burst from SGR J1935+2154 and with FRB 200428. Nature Astronomy, 2021, 5, 378-384.	10.1	152
4	Grain Size Effect of the Î³ Phase Precipitation on Martensitic Transformation and Mechanical Properties of Niâ€“Mnâ€“Snâ€“Fe Heusler Alloys. Materials, 2021, 14, 2339.	2.9	5
5	Measurement of the Cosmic Ray Helium Energy Spectrum from 70ÂGeV to 80ÂTeV with the DAMPE Space Mission. Physical Review Letters, 2021, 126, 201102.	7.8	66
6	Single-neutron removal from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>14</mml:mn><mml:mo>,</mml:mo><mml:mn>15</mml:mn><mml:mo>,</mml:mo><mml:mn>16</mml:mn> near 240 MeV/nucleon. Physical Review C, 2021, 104, .	2.9	8
7	Evolution of diverse Hall effects during the successive magnetic phase transitions in Mn2.5Fe0.6Sn0.9 Kagome-lattice alloy. Journal of Physics Condensed Matter, 2021, 33, 115803.	1.8	2
8	Magnetic-field-induced transformation and strain in polycrystalline FeMnGa ferromagnetic shape memory alloys with high cold-workability. Applied Physics Letters, 2021, 119, .	3.3	4
9	Insight-HXMT observations of Swift J0243.6+6124: the evolution of RMS pulse fractions at super-Eddington luminosity. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5498-5506.	4.4	10
10	Influence of order on the magnetic and electronic properties of quaternary half-metallic Heusler CoFeTiSn alloy. Journal of Alloys and Compounds, 2020, 842, 155977.	5.5	9
11	Room temperature metamagnetic transformation of a tough dual-phase Niâ€“Mnâ€“Snâ€“Fe ferromagnetic shape memory alloy. Journal of Alloys and Compounds, 2020, 829, 154606.	5.5	22
12	Exchange bias and anomalous Hall effect in a wide temperature range of 5â€“300â€‰K in non-collinear antiferromagnetic Mnâ€“Crâ€“Sn alloy. Journal Physics D: Applied Physics, 2020, 53, 155002.	2.8	0
13	Measurement of the cosmic ray proton spectrum from 40 GeV to 100 TeV with the DAMPE satellite. Science Advances, 2019, 5, eaax3793.	10.3	121
14	A eutectic dual-phase design towards superior mechanical properties of heusler-type ferromagnetic shape memory alloys. Acta Materialia, 2019, 181, 278-290.	7.9	21
15	Prediction of fully compensated ferrimagnetic spin-gapless semiconducting FeMnGa/Al/In half Heusler alloys. IUCrJ, 2019, 6, 610-618.	2.2	29
16	Tailoring structural and magnetic properties of Mn_{3â”‚x}Fe_xGa alloys towards multifunctional applications. IUCrJ, 2018, 5, 794-800.	2.2	25
17	Transition from Anomalous Hall Effect to Topological Hall Effect in Hexagonal Non-Collinear Magnet Mn3Ga. Scientific Reports, 2017, 7, 515.	3.3	70
18	Giant exchange bias in Mn2FeGa with hexagonal structure. Applied Physics Letters, 2016, 109, 032408.	3.3	14

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19	Calibration of gamma-ray burst polarimeter POLAR. , 2015, , .		1
20	Towards fully compensated ferrimagnetic spin gapless semiconductors for spintronic applications. Europhysics Letters, 2015, 111, 37009.	2.0	31
21	Role ofd-dandp-dhybridization in CoTi-based magnetic semiconductors with 21 and 26 valence electrons. Journal Physics D: Applied Physics, 2015, 48, 325001.	2.8	23
22	Role of covalent hybridization in the martensitic structure and magnetic properties of shape-memory alloys: The case of Ni50Mn5+xGa35-xCu10. Applied Physics Letters, 2013, 102, .	3.3	20
23	Structure, magnetism, and magnetic compensation behavior of Co50-xMn25Ga25+x and Co50-xMn25+xGa25 Heusler alloys. Journal of Applied Physics, 2013, 113, .	2.5	21
24	Ferromagnetic structures in Mn2CoGa and Mn2CoAl doped by Co, Cu, V, and Ti. Journal of Applied Physics, 2013, 113, .	2.5	30
25	Effects of substrate bias and argon flux on the structure of titanium nitride films deposited by filtered cathodic arc plasma. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 95-101.	1.8	15