

# Zhuhong Liu

## List of Publications by Year in descending order

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14  
papers

105  
citations

1684188

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1372567

10  
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14  
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14  
docs citations

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times ranked

119  
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 Cr <sub>2</sub> YZ and Mn <sub>2</sub> YZ Alloys. <i>Symmetry</i> , 2022, 14, 988.	2.2	1
2	Designing new tetragonal Heusler materials using V, Cr, Fe and Ni doped Ti <sub>2</sub> CoGa: A first-principles study. <i>Computational Materials Science</i> , 2021, 188, 110143.	3.0	2
3	Magnetic transition and the associated exchange bias, transport properties in Mn <sub>2.1</sub> FeSn <sub>0.9</sub> alloy. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 505001.	2.8	3
4	Evolution of diverse Hall effects during the successive magnetic phase transitions in Mn <sub>2.5</sub> Fe <sub>0.6</sub> Sn <sub>0.9</sub> Kagome-lattice alloy. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 115803.	1.8	2
5	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
6	Phase-field simulation of two-dimensional topological charges in nematic liquid crystals. <i>Journal of Applied Physics</i> , 2020, 128, 124701.	2.5	2
7	The Effects of Hydrogen Distribution on the Elastic Properties and Hydrogen-Induced Hardening and Softening of $\hat{1}\pm$ -Fe. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8958.	2.5	2
8	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
9	Boundary Pinning Effects on the Frequency Spectra of Point-Contact Spin-Torque Oscillators. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-4.	1.1	1
10	Numerical Simulation of Phase Transitions in Type-II Annular Superconductor Using Time-dependent Ginzburg-Landau Equations. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 3445-3451.	1.8	7
11	Micromagnetic simulation of electric field-modulation on precession dynamics of spin torque nano-oscillator. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	4
12	Magnetic anisotropy energy of ferromagnetic shape memory alloys Ni <sub>2</sub> X(X=Fe, Co)Ga by first-principles calculations. <i>AIP Advances</i> , 2017, 7, 075001.	1.3	6
13	The Thermal Conductivity of Carbon Nanotubes with Defects and Intramolecular Junctions. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	10
14	Metamagnetic phase transformation in Mn <sub>50</sub> Ni <sub>37</sub> In <sub>10</sub> Co <sub>3</sub> polycrystalline alloy. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	40