

Jingyan Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Greatly Enhanced Methanol Oxidation Reaction of CoPt Truncated Octahedral Nanoparticles by External Magnetic Fields. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	6
2	Different oxygen migration behaviors at CoFe/MgO and CoFe/HfO_2 interfaces and their effects on the magnetic anisotropy. <i>AIP Advances</i> , 2022, 12, 015222.	1.3	2
3	Antiferromagnetic Phase Induced by Nitrogen Doping in 2D Cr_2S_3 . <i>Materials</i> , 2022, 15, 1716.	2.9	1
4	Interfacial Effect on Photo-Modulated Magnetic Properties of Core/Shell-Structured $\text{NiFe/NiFe}_2\text{O}_4$ Nanoparticles. <i>Materials</i> , 2022, 15, 1347.	2.9	0
5	Degradation Effect and Magnetoelectric Transport Properties in CrBr_3 Devices. <i>Materials</i> , 2022, 15, 3007.	2.9	2
6	Field-Free Magnetization Switching Driven by Spin-Orbit Torque in FeCrPt Single Layer. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
7	Effect of interlayer Dzyaloshinskii-Moriya interaction on spin structure in synthetic antiferromagnetic multilayers. <i>Physical Review B</i> , 2022, 105, .	3.2	9
8	Large magnetocaloric effect of $\text{Tm}_{1-x}\text{Gd}_x\text{Ga}$ ($0 \leq x \leq 1$) compounds with second-order magnetic transition around liquid helium temperature. <i>Journal of Applied Physics</i> , 2022, 131, 185110.	2.5	1
9	Current-induced magnetization switching in epitaxial FePt/Cr heterostructures through orbital Hall effect. <i>Journal of Applied Physics</i> , 2022, 132, .	2.5	1
10	Implementation of complete Boolean logic functions in single spin-orbit torque device. <i>AIP Advances</i> , 2021, 11, .	1.3	5
11	Magnetic Exchange Field Modulation of Quantum Hall Ferromagnetism in 2D van der Waals $\text{CrCl}_3/\text{Graphene}$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10656-10663.	8.0	17
12	Superconductivity in Co-Layered LaCoSi . <i>Inorganic Chemistry</i> , 2021, 60, 6157-6161.	4.0	15
13	Enhancement of phonon skew scattering in epitaxial Pt/Co/Pt trilayers by crystal engineering. <i>Physical Review B</i> , 2021, 104, .	3.2	2
14	Multi-resistance state tuned by interfacial active Pt layer in a perpendicular Hall balance. <i>Applied Surface Science</i> , 2020, 521, 146475.	6.1	4
15	Magnetic Skyrmions in a Hall Balance with Interfacial Canted Magnetizations. <i>Advanced Materials</i> , 2020, 32, e1907452.	21.0	26
16	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic CrTeSe Compounds. <i>Inorganic Chemistry</i> , 2020, 59, 8603-8608.	4.0	11
17	Controllable magnetic transitions and magnetocaloric effect of $\text{Ho}_{1-x}\text{Tm}_x\text{Ni}$ ($0 \leq x \leq 0.8$) compounds. <i>AIP Advances</i> , 2020, 10, 015224.	1.3	1
18	Enhanced spin-orbit torque switching in perpendicular multilayers via interfacial oxygen tunability. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5

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19	Tunable magnetic properties and magnetocaloric effect of TmGa by Ho substitution. <i>Physical Review B</i> , 2020, 102, .	3.2	12
20	Tunable damping-like and field-like spin-orbit-torque in Pt/Co/HfO ₂ films via interfacial charge transfer. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	9
21	Enhancement of spin-orbit torque via interfacial hydrogen and oxygen ion manipulation. <i>Applied Physics Letters</i> , 2019, 115, 092402.	3.3	15
22	Tunable Giant Anomalous Hall Angle in Perpendicular Multilayers by Interfacial Orbital Hybridization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24751-24756.	8.0	3
23	Low working temperature near liquid helium boiling point of RNiAl ₂ (R = Tm, Tb and Gd) compounds with large magnetocaloric effect. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	11
24	Direct observation of magnetic contrast obtained by photoemission electron microscopy with deep ultra-violet laser excitation. <i>Ultramicroscopy</i> , 2019, 202, 156-162.	1.9	3
25	Magnetic properties and magnetocaloric effect of HoCo ₃ B ₂ compound. <i>AIP Advances</i> , 2018, 8, .	1.3	9
26	Large magnetocaloric effect of NdGa compound due to successive magnetic transitions. <i>AIP Advances</i> , 2018, 8, .	1.3	8
27	Tunable anomalous Hall effect in multilayers induced by artificial interfacial scattering dots. <i>AIP Advances</i> , 2018, 8, 035206.	1.3	0
28	Observation of a thermally enhanced magnetoresistance in NiFe. <i>AIP Advances</i> , 2016, 6, 045314.	1.3	3
29	Nonvolatile modulation of electronic structure and correlative magnetism of L10-FePt films using significant strain induced by shape memory substrates. <i>Scientific Reports</i> , 2016, 6, 20199.	3.3	11
30	Tuning giant anomalous Hall resistance ratio in perpendicular Hall balance. <i>Applied Physics Letters</i> , 2015, 106, 152401.	3.3	11
31	Ru Catalyst-Induced Perpendicular Magnetic Anisotropy in MgO/CoFeB/Ta/MgO Multilayered Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26643-26648.	8.0	22
32	Three dimensional magnetic abacus memory. <i>Scientific Reports</i> , 2014, 4, 6109.	3.3	33
33	Effect of interfacial structures on anomalous Hall behavior in perpendicular Co/Pt multilayers. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	32
34	Extraordinary hall balance. <i>Scientific Reports</i> , 2013, 3, 2087.	3.3	30
35	Enhancement of anisotropic magnetoresistance in MgO/NiFe/MgO trilayers via NiFe nanoparticles in MgO layers. <i>Journal of Applied Physics</i> , 2012, 111, 123903.	2.5	4
36	Large enhancement of the anomalous Hall effect in Co/Pt multilayers sandwiched by MgO layers. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	52