

Chao Jin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Manipulation of Magnetic Properties and Magnetoresistance in Co/Cu \AA^2 -Fe \AA^2 /N/Mica Flexible Spin Valves via External Mechanical Strains. ACS Applied Electronic Materials, 2022, 4, 276-286.	4.3	1
2	Scattering-induced positive unsaturated linear magnetoresistance in LaAlO \AA^3 /SrTiO \AA^3 two-dimensional electron gas system. Journal of Applied Physics, 2022, 131, 185109.	2.5	1
3	Inversion of angular-dependent planar magnetoresistance in epitaxial Pt \AA^2 -Fe \AA^2 bilayers. Applied Physics Letters, 2021, 118, 111601.	3.3	2
4	Engineering Co Vacancies for Tuning Electrical Properties of p-Type Semiconducting Co \AA^3 O \AA^4 Films. ACS Applied Materials & Interfaces, 2021, 13, 26621-26629.	8.0	10
5	Spin injection and transport in single-crystalline organic spin valves based on TIPS-pentacene. Science China Materials, 2021, 64, 2795-2804.	6.3	5
6	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. ACS Applied Materials & Interfaces, 2021, 13, 37840-37848.	8.0	6
7	Antiferromagnetic metallic state and low-temperature magnetoresistance in epitaxial La \AA^3 Sr \AA^3 MnO \AA^3 films. Applied Surface Science, 2021, 569, 151032.	6.1	4
8	Relaxation behavior of nonvolatile resistance modulation in Zn:SnO \AA^2 /PMN-PT heterostructures. Applied Physics Letters, 2021, 119, 152101.	3.3	2
9	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie, 2020, 132, 1134-1139.	2.0	30
10	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie - International Edition, 2020, 59, 1118-1123.	13.8	172
11	Strain control of phase transition and magnetic property in multiferroic BiFeO \AA^3 thin films. Thin Solid Films, 2020, 695, 137741.	1.8	9
12	Ionic Liquid Gating and Phase Transition Induced Semiconducting to Metallic Transition in La \AA^3 Sr \AA^3 MnO \AA^3 /BaTiO \AA^3 Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 43257-43265.	8.0	2
13	Electric-field-mediated magnetic properties of all-oxide CoFe \AA^2 O \AA^4 /La \AA^3 Sr \AA^3 MnO \AA^3 /Pb(Mg \AA^1 /3Nb \AA^2 /3) heterostructures. Physical Chemistry Chemical Physics, 2020, 22, 12651-12657.	2.5	6
14	Differentiation of non-volatile strain and ferroelectric field effects in (011)- and (001)-La \AA^3 Sr \AA^3 MnO \AA^3 /Pb(Mg \AA^1 /3Nb \AA^2 /3)O \AA^3 heterostructures. Journal of Applied Physics, 2020, 127, 244102.	2.5	6
15	Ferroelectric resistance switching in Pt/Fe/BiFeO \AA^3 /SrRuO \AA^3 /SrTiO \AA^3 heterostructures. Physical Chemistry Chemical Physics, 2020, 22, 13277-13284.	2.8	15
16	Effects of Illumination and Ferroelectric Field on Nanoscale Al:ZnO Films: Implications for Nonvolatile Multistage Storage and Photosensor Devices. ACS Applied Nano Materials, 2020, 3, 6054-6060.	5.0	1
17	Interfacial reconstruction, exchange bias and photocurrent effect in epitaxial Fe \AA^3 O \AA^4 /Co \AA^3 O \AA^4 spinel heterostructure. Applied Surface Science, 2019, 493, 1236-1242.	6.1	3
18	Defects induced huge magnetoresistance in epitaxial La \AA^3 Sr \AA^3 MnO \AA^3 thin films deposited by magnetic sputtering. Applied Physics Letters, 2019, 115, .	3.3	8

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19	Electric field modulated metastable state magnetization in (Fe/Pt) ₄ /PMN-PT multilayers. Journal of Alloys and Compounds, 2019, 785, 214-219.	5.5	0
20	Interfacial Effect Enhanced Electric Field Control of the Magnetism in Pt/Fe/PMN-PT Heterostructures. ACS Applied Electronic Materials, 2019, 1, 1012-1018.	4.3	2
21	Ferroelectric field manipulated nonvolatile resistance switching in Al:ZnO/Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ heterostructures at room temperature. Physical Chemistry Chemical Physics, 2019, 21, 10784-10790.	2.8	4
22	Ferroelectric phase transition induced relaxation of electroresistance in La _{0.67} Sr _{0.33} MnO ₃ /BaTiO ₃ heterostructures. Journal of Applied Physics, 2019, 125, 164102.	2.5	3
23	Uniaxial strain tuning of the Verwey transition in flexible Fe ₃ O ₄ /muscovite epitaxial heterostructures. Applied Physics Letters, 2018, 113, 142403.	3.3	13
24	Ferroelectric Field Effect Tuned Giant Electroresistance in La _{0.67} Sr _{0.33} MnO ₃ /BaTiO ₃ Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 40328-40334.	8.0	15
25	High-Performance Photovoltaic Readable Ferroelectric Nonvolatile Memory Based on La-Doped BiFeO ₃ Films. ACS Applied Materials & Interfaces, 2018, 10, 19836-19843.	8.0	45
26	Photoassisted Electric Field Modulation of Multiple Nonvolatile Resistance States in Highly Strained Epitaxial BiFeO ₃ Heterostructures. Advanced Electronic Materials, 2018, 4, 1800171.	5.1	14
27	Oxygen vacancies induced ferromagnetic behaviors in Co ₃ O ₄ : An experimental and first-principles study. Thin Solid Films, 2018, 660, 287-293.	1.8	9
28	Influence of oxygen vacancies and La _{0.7} Sr _{0.3} MnO ₃ layer on the structure and magnetic properties of cobalt ferrite thin films. Journal of Magnetism and Magnetic Materials, 2018, 460, 361-367.	2.3	6
29	Charge-assisted non-volatile magnetoelectric effects in NiFe ₂ O ₄ /PMN-PT heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 23079-23084.	2.8	6
30	Electric field modulated conduction mechanism in Al/BaTiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ heterostructures. Applied Physics Letters, 2017, 111, .	3.3	6
31	Self-Poling-Induced Magnetoelectric Effect in Highly Strained Epitaxial BiFeO ₃ /La _{0.67} Sr _{0.33} MnO ₃ Multiferroic Heterostructures. ACS Applied Materials & Interfaces, 2017, 9, 24331-24338.	8.0	14
32	Observation of large low-field magnetoresistance in spinel cobaltite: A new half-metal. Physica Status Solidi - Rapid Research Letters, 2016, 10, 190-196.	2.4	14
33	Orbital Reconstruction Enhanced Exchange Bias in La _{0.6} Sr _{0.4} MnO ₃ /Orthorhombic YMnO ₃ Heterostructures. Scientific Reports, 2016, 6, 24568.	3.3	10
34	Strain and Ferroelectric-Field Effects Co-mediated Magnetism in (011)-CoFe ₂ O ₄ /Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ Multiferroic Heterostructures. ACS Applied Materials & Interfaces, 2016, 8, 24198-24204.	8.0	14
35	Magnetization and Resistance Switchings Induced by Electric Field in Epitaxial Mn:ZnO/BiFeO ₃ Multiferroic Heterostructures at Room Temperature. ACS Applied Materials & Interfaces, 2016, 8, 3977-3984.	8.0	44
36	Sign change of magnetoresistance in Gd-doped amorphous carbon granular films. Physical Chemistry Chemical Physics, 2015, 17, 30695-30701.	2.8	6

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37	Crystal-Orientation-Modulated Exchange Bias in Orthorhombic- $\text{YMnO}_3/\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Multiferroic Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14758-14762.	8.0	15
38	Cation effect on the magnetic and magnetotransport properties of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ films: An experimental and first-principles study. , 2015, .		0
39	Oxygen vacancies influenced interfacial coupling effect in epitaxial $\text{Fe}_{2.6}\text{V}_{0.4}\text{O}_4/\text{BiFeO}_3$ multiferroic heterostructures. <i>Europhysics Letters</i> , 2015, 110, 47009.	2.0	5
40	Effect of deposition temperature on the structure, magnetic and transport properties in Co_2MnSi Heusler films. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 141-148.	2.3	5
41	Effect of Mn substitution on the transport properties of co-sputtered $\text{Fe}_{3-x}\text{Mn}_x\text{Si}$ epilayers. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	0
42	Planar Hall effect of the Fe_3Si epitaxial films with different in-plane configurations on MgO substrates. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 761-768.	1.5	8
43	Giant planar Hall effect in reactive sputtered epitaxial $\text{Cr}_x\text{Fe}_{3-x}\text{O}_4$ films. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	2
44	Structure, magnetic, and transport properties of epitaxial ZnFe_2O_4 films: An experimental and first-principles study. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	35
45	Magnetocrystalline anisotropy-dependent six-fold symmetric anisotropic magnetoresistance in epitaxial $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ films. <i>Europhysics Letters</i> , 2012, 100, 27006.	2.0	6
46	Electronic and magnetic structure of $\text{Fe}_3\text{O}_4/\text{BiFeO}_3$ multiferroic superlattices: First principles calculations. <i>Journal of Applied Physics</i> , 2012, 112, 063925.	2.5	22
47	Resistive switching in reactive cosputtered MFe_2O_4 (M= Co, Ni) films. <i>Applied Surface Science</i> , 2012, 263, 678-681.	6.1	21
48	Experimental and first-principles study on the magnetic and transport properties of Ti-doped Fe_3O_4 epitaxial films. <i>Journal of Applied Physics</i> , 2011, 110, 083905.	2.5	12
49	Anomalous magnetic properties of the epitaxial CoFe_2O_4 films prepared by reactive cosputtering. <i>Journal of Applied Physics</i> , 2011, 110, 013917.	2.5	14
50	Origin of the twofold and fourfold symmetric anisotropic magnetoresistance in epitaxial Fe_3O_4 films. <i>Journal of Applied Physics</i> , 2010, 108, 093921.	2.5	28