

# Chao Jin

## List of Publications by Year in descending order

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50  
papers

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citations

623734

14  
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580821

25  
g-index

50  
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50  
docs citations

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times ranked

881  
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1118-1123.	13.8	172
2	High-Performance Photovoltaic Readable Ferroelectric Nonvolatile Memory Based on La-Doped BiFeO <sub>3</sub> Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19836-19843.	8.0	45
3	Magnetization and Resistance Switchings Induced by Electric Field in Epitaxial Mn:ZnO/BiFeO <sub>3</sub> Multiferroic Heterostructures at Room Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3977-3984.	8.0	44
4	Structure, magnetic, and transport properties of epitaxial ZnFe <sub>2</sub> O <sub>4</sub> films: An experimental and first-principles study. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	35
5	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie</i> , 2020, 132, 1134-1139.	2.0	30
6	Origin of the twofold and fourfold symmetric anisotropic magnetoresistance in epitaxial Fe <sub>3</sub> O <sub>4</sub> films. <i>Journal of Applied Physics</i> , 2010, 108, 093921.	2.5	28
7	Electronic and magnetic structure of Fe <sub>3</sub> O <sub>4</sub> /BiFeO <sub>3</sub> multiferroic superlattices: First principles calculations. <i>Journal of Applied Physics</i> , 2012, 112, 063925.	2.5	22
8	Resistive switching in reactive cosputtered MFe <sub>2</sub> O <sub>4</sub> (M= Co, Ni) films. <i>Applied Surface Science</i> , 2012, 263, 678-681.	6.1	21
9	Strain and Ferroelectric-Field Effects Co-mediated Magnetism in (011)-CoFe <sub>2</sub> O <sub>4</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> Multiferroic Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 24198-24204.	8.0	15
10	Crystal-Orientation-Modulated Exchange Bias in Orthorhombic-YMnO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Multiferroic Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14758-14762.	8.0	15
11	Ferroelectric Field Effect Tuned Giant Electroresistance in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40328-40334.	8.0	15
12	Ferroelectric resistance switching in Pt/Fe/BiFeO <sub>3</sub> /SrRuO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13277-13284.	2.8	15
13	Anomalous magnetic properties of the epitaxial CoFe <sub>2</sub> O <sub>4</sub> films prepared by reactive cosputtering. <i>Journal of Applied Physics</i> , 2011, 110, 013917.	2.5	14
14	Observation of large low-field magnetoresistance in spinel cobaltite: A new half-metal. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 190-196.	2.4	14
15	Self-Poling-Induced Magnetoelectric Effect in Highly Strained Epitaxial BiFeO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Multiferroic Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24331-24338.	8.0	14
16	Photoassisted Electric Field Modulation of Multiple Nonvolatile Resistance States in Highly Strained Epitaxial BiFeO <sub>3</sub> Heterostructures. <i>Advanced Electronic Materials</i> , 2018, 4, 1800171.	5.1	14
17	Uniaxial strain tuning of the Verwey transition in flexible Fe <sub>3</sub> O <sub>4</sub> /muscovite epitaxial heterostructures. <i>Applied Physics Letters</i> , 2018, 113, 142403.	3.3	13
18	Experimental and first-principles study on the magnetic and transport properties of Ti-doped Fe <sub>3</sub> O <sub>4</sub> epitaxial films. <i>Journal of Applied Physics</i> , 2011, 110, 083905.	2.5	12

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19	Orbital Reconstruction Enhanced Exchange Bias in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /Orthorhombic YMnO <sub>3</sub> Heterostructures. <i>Scientific Reports</i> , 2016, 6, 24568.	3.3	10
20	Engineering Co Vacancies for Tuning Electrical Properties of p-Type Semiconducting Co <sub>3</sub> O <sub>4</sub> Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26621-26629.	8.0	10
21	Oxygen vacancies induced ferromagnetic behaviors in Co <sub>3</sub> O <sub>4</sub> : An experimental and first-principles study. <i>Thin Solid Films</i> , 2018, 660, 287-293.	1.8	9
22	Strain control of phase transition and magnetic property in multiferroic BiFeO <sub>3</sub> thin films. <i>Thin Solid Films</i> , 2020, 695, 137741.	1.8	9
23	Planar Hall effect of the Fe <sub>3</sub> Si 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
24	Defects induced huge magnetoresistance in epitaxial La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> thin films deposited by magnetic sputtering. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	8
25	Magnetocrystalline anisotropy-dependent six-fold symmetric anisotropic magnetoresistance in epitaxial Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> films. <i>Europhysics Letters</i> , 2012, 100, 27006.	2.0	6
26	Sign change of magnetoresistance in Gd-doped amorphous carbon granular films. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30695-30701.	2.8	6
27	Electric field modulated conduction mechanism in Al/BaTiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	6
28	Influence of oxygen vacancies and La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> layer on the structure and magnetic properties of cobalt ferrite thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 361-367.	2.3	6
29	Charge-assisted non-volatile magnetoelectric effects in NiFe <sub>2</sub> O <sub>4</sub> /PMN-PT heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23079-23084.	2.8	6
30	Differentiation of non-volatile strain and ferroelectric field effects in (011)- and (001)-La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> heterostructures. <i>Journal of Applied Physics</i> , 2020, 127, 244102.	2.5	6
31	Solution Epitaxy of Halide Perovskite Thin Single Crystals for Stable Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37840-37848.	8.0	6
32	Oxygen vacancies influenced interfacial coupling effect in epitaxial Fe <sub>2.6</sub> V <sub>0.4</sub> O <sub>4</sub> /BiFeO <sub>3</sub> multiferroic heterostructures. <i>Europhysics Letters</i> , 2015, 110, 47009.	2.0	5
33	Effect of deposition temperature on the structure, magnetic and transport properties in Co <sub>2</sub> MnSi Heusler films. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 141-148.	2.3	5
34	Spin injection and transport in single-crystalline organic spin valves based on TIPS-pentacene. <i>Science China Materials</i> , 2021, 64, 2795-2804.	6.3	5
35	Ferroelectric field manipulated nonvolatile resistance switching in Al:ZnO/Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> heterostructures at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10784-10790.	2.8	4
36	Antiferromagnetic metallic state and low-temperature magnetoresistance in epitaxial La <sub>0.85</sub> Sr <sub>0.15</sub> MnO <sub>3</sub> films. <i>Applied Surface Science</i> , 2021, 569, 151032.	6.1	4

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37	Interfacial reconstruction, exchange bias and photocurrent effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> spinel heterostructure. <i>Applied Surface Science</i> , 2019, 493, 1236-1242.	6.1	3
38	Ferroelectric phase transition induced relaxation of electroresistance in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> heterostructures. <i>Journal of Applied Physics</i> , 2019, 125, 164102.	2.5	3
39	Giant planar Hall effect in reactive sputtered epitaxial Cr <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> films. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	2
40	Interfacial Effect Enhanced Electric Field Control of the Magnetism in Pt/Fe/PMN-PT Heterostructures. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1012-1018.	4.3	2
41	Ionic Liquid Gating and Phase Transition Induced Semiconducting to Metallic Transition in La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43257-43265.	8.0	2
42	Electric-field-mediated magnetic properties of all-oxide CoFe <sub>2</sub> O <sub>4</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12651-12657.	2.5	2
43	Inversion of angular-dependent planar magnetoresistance in epitaxial Pt/Fe <sub>2</sub> -Fe <sub>4</sub> N bilayers. <i>Applied Physics Letters</i> , 2021, 118, 111601.	3.3	2
44	Relaxation behavior of nonvolatile resistance modulation in Zn:SnO <sub>2</sub> /PMN-PT heterostructures. <i>Applied Physics Letters</i> , 2021, 119, 152101.	3.3	2
45	Effects of Illumination and Ferroelectric Field on Nanoscale Al:ZnO Films: Implications for Nonvolatile Multistage Storage and Photosensor Devices. <i>ACS Applied Nano Materials</i> , 2020, 3, 6054-6060.	5.0	1
46	Manipulation of Magnetic Properties and Magnetoresistance in Co/Cu/Fe <sub>4</sub> N/Mica Flexible Spin Valves via External Mechanical Strains. <i>ACS Applied Electronic Materials</i> , 2022, 4, 276-286.	4.3	1
47	Scattering-induced positive unsaturated linear magnetoresistance in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> two-dimensional electron gas system. <i>Journal of Applied Physics</i> , 2022, 131, 185109.	2.5	1
48	Effect of Mn substitution on the transport properties of co-sputtered Fe <sub>3-x</sub> MnxSi epilayers. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	0
49	Cation effect on the magnetic and magnetotransport properties of Co <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> films: An experimental and first-principles study. , 2015, .		0
50	Electric field modulated metastable state magnetization in (Fe/Pt) <sub>4</sub> /PMN-PT multilayers. <i>Journal of Alloys and Compounds</i> , 2019, 785, 214-219.	5.5	0