

# Yuewei Yin

## List of Publications by Citations

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91  
papers

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96  
ext. papers

1,860  
ext. citations

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L-index

#	Paper	IF	Citations
91	Enhanced tunnelling electroresistance effect due to a ferroelectrically induced phase transition at a magnetic complex oxide interface. <i>Nature Materials</i> , <b>2013</b> , 12, 397-402	27	256
90	Negatively Charged Nanosheets Significantly Enhance the Energy-Storage Capability of Polymer-Based Nanocomposites. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907227	24	87
89	Sub-nanosecond memristor based on ferroelectric tunnel junction. <i>Nature Communications</i> , <b>2020</b> , 11, 1439	17.4	73
88	Ultrahigh Energy Density in SrTiO Film Capacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 20484-20490	9.5	68
87	Dynamic properties of cluster glass in La <sub>0.25</sub> Ca <sub>0.75</sub> MnO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 083904	2.5	57
86	Coexistence of tunneling magnetoresistance and electroresistance at room temperature in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /(Ba, Sr)TiO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> multiferroic tunnel junctions. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07D915	2.5	51
85	Solid-State Synapse Based on Magnetoelectrically Coupled Memristor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 5649-5656	9.5	41
84	Multiferroic tunnel junctions. <i>Frontiers of Physics</i> , <b>2012</b> , 7, 380-385	3.7	37
83	Locking and Unlocking the Molecular Spin Crossover Transition. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702257	24	36
82	Enhanced superconductivity in TiO epitaxial thin films. <i>Npj Quantum Materials</i> , <b>2017</b> , 2,	5	35
81	Coexistence of four resistance states and exchange bias in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /BiFeO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> multiferroic tunnel junction. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 043507	3.4	34
80	Colossal magnetoresistance in manganites and related prototype devices. <i>Chinese Physics B</i> , <b>2013</b> , 22, 087502	1.2	32
79	Beating the exclusion rule against the coexistence of robust luminescence and ferromagnetism in chalcogenide monolayers. <i>Nature Communications</i> , <b>2019</b> , 10, 1584	17.4	28
78	Room temperature ferroelectricity in continuous croconic acid thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 102902	3.4	28
77	A review on all-perovskite multiferroic tunnel junctions. <i>Journal of Materiomics</i> , <b>2017</b> , 3, 245-254	6.7	26
76	Anisotropic magneto-transport properties of electron gases at SrTiO <sub>3</sub> (111) and (110) surfaces. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 261604	3.4	26
75	A High-Speed and Low-Power Multistate Memory Based on Multiferroic Tunnel Junctions. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700560	6.4	25

74	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 172601	2.5	23
73	Effects of Interface Layers and Domain Walls on the Ferroelectric-Resistive Switching Behavior of Au/BiFeO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26036-42	9.5	23
72	Multi-state resistive switching memory with secure information storage in Au/BiFe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> /La <sub>5/8</sub> Ca <sub>3/8</sub> MnO <sub>3</sub> heterostructure. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 193504	3.4	23
71	BiFeO <sub>3</sub> -Based Flexible Ferroelectric Memristors for Neuromorphic Pattern Recognition. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1081-1089	4	22
70	Coaction and distinguishment of converse piezoelectric and field effects in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> /0.68Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.32PbTiO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 053504	3.4	22
69	Interfacial Ion Intermixing Effect on Four-Resistance States in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Multiferroic Tunnel Junctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10422-9	9.5	21
68	Octonary Resistance States in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /BaTiO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> Multiferroic Tunnel Junctions. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500183	6.4	20
67	Atomic-scale mapping of interface reconstructions in multiferroic heterostructures. <i>Applied Physics Reviews</i> , <b>2018</b> , 5, 041110	17.3	19
66	Structure and transport properties of titanium oxide (Ti <sub>2</sub> O, TiO <sub>1+</sub> , and Ti <sub>3</sub> O <sub>5</sub> ) thin films. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 786, 607-613	5.7	18
65	Robustness of topological surface states against strong disorder observed in Bi <sub>2</sub> Te <sub>3</sub> nanotubes. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	17
64	Structure Evolution and Multiferroic Properties in Cobalt Doped BiNdTiFeCoO-BiNdTiFeCoO Intergrowth Aurivillius Compounds. <i>Scientific Reports</i> , <b>2017</b> , 7, 43540	4.9	16
63	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	16
62	Tuning the Néel Temperature of Hexagonal Ferrites by Structural Distortion. <i>Physical Review Letters</i> , <b>2018</b> , 121, 237203	7.4	16
61	Indications of magnetic coupling effects in spin cross-over molecular thin films. <i>Chemical Communications</i> , <b>2018</b> , 54, 944-947	5.8	14
60	Scalable Polyimide-poly(Amic Acid) Copolymer Based Nanocomposites for High-Temperature Capacitive Energy Storage. <i>Advanced Materials</i> , <b>2021</b> , e2101976	24	13
59	Ultrafast Multilevel Switching in Au/YIG/n-Si RRAM. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800418	6.4	13
58	Photovoltaic effect in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> /Nb-doped SrTiO <sub>3</sub> heterojunctions. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 131104	3.4	11
57	Quantum superconductor-insulator transition in titanium monoxide thin films with a wide range of oxygen contents. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	10

56	Tunable dielectric and ferroelectric properties in heteroepitaxial PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> /La <sub>0.625</sub> Ca <sub>0.375</sub> MnO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 034102	2.5	10
55	Magnetodielectric Effect and Tunable Dielectric Properties of LaMn <sub>1-x</sub> FexO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 3814-3818	3.8	10
54	Electric-field-controlled nonvolatile magnetic switching and resistive change in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /0.7Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.3PbTiO <sub>3</sub> (011) heterostructure at room temperature. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 263502	3.4	10
53	Ferroelectric domain switching dynamics and memristive behaviors in BiFeO <sub>3</sub> -based magnetoelectric heterojunctions. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 234005	3	10
52	Angle-resolved vortex glass transition and pinning properties in BaFe <sub>1.8</sub> Co <sub>0.2</sub> As <sub>2</sub> single crystals. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 173901	2.5	9
51	Electric-Field-Controlled Nonvolatile Magnetization Rotation and Magnetoresistance Effect in Co/Cu/Ni Spin Valves on Piezoelectric Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 21390-21397	8.5	9
50	Current-voltage characteristics of La <sub>2-x</sub> SrxCuO <sub>4</sub> /Nb-doped SrTiO <sub>3</sub> heterojunctions. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 053915	2.5	9
49	High-precision and linear weight updates by subnanosecond pulses in ferroelectric tunnel junction for neuro-inspired computing.. <i>Nature Communications</i> , <b>2022</b> , 13, 699	17.4	9
48	A flexible BiFeO <sub>3</sub> -based ferroelectric tunnel junction memristor for neuromorphic computing. <i>Journal of Materiomics</i> , <b>2021</b> ,	6.7	9
47	Structural evolution from Bi <sub>4.2</sub> K <sub>0.8</sub> Fe <sub>2</sub> O <sub>9</sub> + $\Gamma$ nanobelts to BiFeO <sub>3</sub> nanochains in vacuum and their multiferroic properties. <i>Nanoscale</i> , <b>2014</b> , 6, 14766-71	7.7	8
46	Microstructural phase separation related in-plane fourfold symmetric superconductivity in K <sub>0.8</sub> Fe <sub>1.65</sub> Se <sub>2</sub> crystals. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 182601	3.4	8
45	Effect of interface on epitaxy and magnetism in h-RFeO/FeO/AlO films (R = Lu, Yb). <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 164001	1.8	7
44	Effect of carrier density and valence states on superconductivity of oxygen annealed Fe <sub>1.06</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> single crystals. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 183901	2.5	7
43	Coexistence of Superconductivity and Ferromagnetism in La <sub>2-x</sub> SrxCuO <sub>4</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 3028-3035	3.8	7
42	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14124-14130	16.4	6
41	Quantum Griffiths singularities in TiO superconducting thin films with insulating normal states. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	6
40	Improved energy storage performance of nanocomposites with Bi <sub>4.2</sub> K <sub>0.8</sub> Fe <sub>2</sub> O <sub>9</sub> + $\Gamma$ nanobelts. <i>Journal of Materiomics</i> , <b>2020</b> , 6, 371-376	6.7	6
39	Effects of magnetic electrode on the ferroelectric properties in heteroepitaxial BiFeO <sub>3</sub> /La <sub>0.625</sub> Ca <sub>0.375</sub> MnO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 094504	2.5	5

38	Effect of injected spins with different polarized orientations on the superconductivity of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> thin films. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 193506	3.4	5
37	Efficient Parallel Multi-Bit Logic-in-Memory Based on a Ultrafast Ferroelectric Tunnel Junction Memristor. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000988	6.4	5
36	Anti-site mixing and magnetic properties of Fe <sub>3</sub> Co <sub>3</sub> Nb <sub>2</sub> studied via neutron powder diffraction. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 025002	3	4
35	Enhanced thermoelectric efficiency in nanocrystalline bismuth telluride nanotubes. <i>Nanotechnology</i> , <b>2020</b> , 31, 365703	3.4	4
34	Spin Rectification and Electrically Controlled Spin Transport in Molecular-Ferroelectrics-Based Spin Valves. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	4
33	Ternary VOCl single-crystal as efficient gate dielectric for 2D field-effect transistors. <i>2D Materials</i> , <b>2021</b> , 8, 025010	5.9	4
32	Nonvolatile ZnO-Based Ferroelectric Field Effect Transistors for Active-Matrix Organic Light-Emitting Diode Display. <i>IEEE Electron Device Letters</i> , <b>2020</b> , 41, 42-45	4.4	4
31	Distinct superconducting properties and hydrostatic pressure effects in 2D H and E Mo <sub>2</sub> C crystal sheets. <i>NPG Asia Materials</i> , <b>2020</b> , 12,	10.3	4
30	Hydrostatic pressure effect on the transport properties in TiO superconducting thin films. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	3
29	Angular dependence of vortex dynamics in BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> single crystal. <i>Materials Research Express</i> , <b>2014</b> , 1, 016003	1.7	3
28	In-plane anisotropic vortex pinning and relaxation in a stripe-ordered La <sub>1.45</sub> Nd <sub>0.45</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> superconductor. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 142508	3.4	3
27	Photovoltaic effect and photo-assisted diode behavior in Pt/BiFeO <sub>3</sub> /Nb-doped SrTiO <sub>3</sub> heterojunction. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 127301	0.6	3
26	Interface magnetization transition via minority spin injection. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 232903	3.4	3
25	Temperature dependence of lower critical field in stripe ordered La <sub>1.6-x</sub> Nd <sub>0.45</sub> Sr <sub>x</sub> CuO <sub>4</sub> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>2016</b> , 521-522, 18-21	1.3	3
24	Positive and negative magnetoresistances in Co/Cu/Ni spin-valves. <i>Materials Letters</i> , <b>2019</b> , 240, 124-127	3.3	3
23	Quasi-two-dimensional vortex glass transition and the critical current density in TiO epitaxial thin films. <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 015016	3.1	3
22	Spin-polarized current injection induced magnetic reconstruction at oxide interface. <i>Scientific Reports</i> , <b>2017</b> , 7, 40048	4.9	2
21	Some device implications of voltage controlled magnetic anisotropy in Co/Gd <sub>2</sub> O <sub>3</sub> thin films through REDOX chemistry. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 451, 487-492	2.8	2

20	Influence of spin injection on the critical current density in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> heterostructure. <i>AIP Advances</i> , <b>2014</b> , 4, 127138	1.5	2
19	Anisotropic transport property anomaly in K <sub>0.8</sub> Fe <sub>1.65</sub> Se <sub>2</sub> crystal. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 143905	2.5	2
18	Stripe order related in-plane fourfold symmetric superconductivity in La <sub>1.45</sub> Nd <sub>0.4</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> single crystal. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 053912	2.5	2
17	Mg-doping enhanced superconductivity and ferromagnetism in Ti <sub>1-x</sub> Mg <sub>x</sub> O films. <i>Acta Materialia</i> , <b>2020</b> , 200, 66-73	8.4	2
16	Improved Working Temperature and Capacitive Energy Density of Biaxially Oriented Polypropylene Films with Alumina Coating Layers. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3119-3128	6.1	2
15	Structural, magnetic and dielectric properties of BaFe <sub>2</sub> Se <sub>3</sub> crystals. <i>Europhysics Letters</i> , <b>2019</b> , 126, 27005.6	1.6	1
14	Effect of injected spins with different polarized orientations on the vortex phase transition in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> heterostructure. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17E118	2.5	1
13	Nanoscale-phase-separation-enhanced critical current and vortex transition temperature in K <sub>0.62</sub> Fe <sub>1.71</sub> Se <sub>2</sub> crystals. <i>Europhysics Letters</i> , <b>2015</b> , 111, 37001	1.6	1
12	Laser-induced transverse voltage in (111)-oriented TiO <sub>1+x</sub> epitaxial thin films with cubic structure. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 223901	3.4	1
11	Manipulation of morphologies and magnetic properties for Bi <sub>4.2</sub> K <sub>0.8</sub> Fe <sub>2</sub> O <sub>9</sub> nanostructures. <i>CrystEngComm</i> , <b>2013</b> , 15, 9057	3.3	1
10	Comment on Anomalous capacitance response induced by the superconducting gap in an Au/BiFeO <sub>3</sub> /La <sub>1.84</sub> Sr <sub>0.16</sub> CuO <sub>4</sub> /LaSrAlO <sub>4</sub> heterostructure [Appl. Phys. Lett. 103, 153507 (2013)]. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 246103	3.4	1
9	Spin structure transition in La <sub>(1.6-x)</sub> Nd <sub>(0.4)</sub> Sr <sub>(x)</sub> CuO <sub>(4)</sub> superconductors. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 275701	1.8	1
8			
7	Nonvolatile Memory: Ultrafast Multilevel Switching in Au/YIG/n-Si RRAM (Adv. Electron. Mater. 2/2019). <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1970008	6.4	1
6	Sulfur-vacancy-tunable interlayer magnetic coupling in centimeter-scale MoS <sub>2</sub> bilayer. <i>Nano Research</i> , 1	10	1
5	Anomalous Structural Evolution and Glassy Lattice in Mixed-Halide Hybrid Perovskites.. <i>Small</i> , <b>2022</b> , e2200847	10	1
4	Reversible optical control of the metal-insulator transition across the epitaxial heterointerface of a VO <sub>2</sub> /Nb:TiO <sub>2</sub> junction. <i>Science China Materials</i> , <b>2021</b> , 64, 1687-1702	7.1	0
3	Current-driven interface magnetic transition in complex oxide heterostructure. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2017</b> , 35, 04F101	1.3	

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1 The anomalous anisotropy in the ac susceptibility of  $\text{La}_{1.45}\text{Nd}_{0.4}\text{Sr}_{0.15}\text{CuO}_4$  single crystal. *Physica C: Superconductivity and Its Applications*, **2010**, 470, S86-S87

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