

Yuewei Yin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A flexible BiFeO ₃ -based ferroelectric tunnel junction memristor for neuromorphic computing. <i>Journal of Materiomics</i> , 2022, 8, 144-149.	5.7	23
2	Sulfur-vacancy-tunable interlayer magnetic coupling in centimeter-scale MoS ₂ bilayer. <i>Nano Research</i> , 2022, 15, 881-888.	10.4	5
3	Scalable Polyimide-Poly(Amic Acid) Copolymer Based Nanocomposites for High-Temperature Capacitive Energy Storage. <i>Advanced Materials</i> , 2022, 34, e2101976.	21.0	67
4	High-precision and linear weight updates by subnanosecond pulses in ferroelectric tunnel junction for neuro-inspired computing. <i>Nature Communications</i> , 2022, 13, 699.	12.8	74
5	Improved Working Temperature and Capacitive Energy Density of Biaxially Oriented Polypropylene Films with Alumina Coating Layers. <i>ACS Applied Energy Materials</i> , 2022, 5, 3119-3128.	5.1	28
6	High-Speed Switching and Giant Electroresistance in an Epitaxial Hf _{0.5} Zr _{0.5} O ₂ -Based Ferroelectric Tunnel Junction Memristor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1355-1361.	8.0	18
7	Anomalous Structural Evolution and Glassy Lattice in Mixed-Halide Hybrid Perovskites. <i>Small</i> , 2022, 18, e2200847.	10.0	13
8	High-Speed Nanoscale Ferroelectric Tunnel Junction for Multilevel Memory and Neural Network Computing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24602-24609.	8.0	8
9	Continuous and fast magneto-ionic control of magnetism in Ta/Co/BiFeO ₃ /SrRuO ₃ multiferroic heterostructure. <i>Journal of Materiomics</i> , 2022, 8, 1141-1148.	5.7	3
10	Reversible optical control of the metal-insulator transition across the epitaxial heterointerface of a VO ₂ /Nb:TiO ₂ junction. <i>Science China Materials</i> , 2021, 64, 1687-1702.	6.3	4
11	Large-Area Crystalline Zeolitic Imidazolate Framework Thin Films. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14124-14130.	13.8	30
12	Insights into superconductivity of LaO from experiments and first-principles calculations. <i>Physical Review B</i> , 2021, 104, .	3.2	2
13	Efficient Parallel Multi-Bit Logic-in-Memory Based on a Ultrafast Ferroelectric Tunnel Junction Memristor. <i>Advanced Electronic Materials</i> , 2021, 7, 2000988.	5.1	12
14	Ternary VOCl single-crystal as efficient gate dielectric for 2D field-effect transistors. <i>2D Materials</i> , 2021, 8, 025010.	4.4	15
15	Positive-to-negative subthreshold swing of a MOSFET tuned by the ferroelectric switching dynamics of BiFeO ₃ . <i>NPG Asia Materials</i> , 2021, 13, .	7.9	3
16	Improved energy storage performance of nanocomposites with Bi ₄ Ti ₂ K _{0.8} Fe ₂ O ₉ + γ nanobelts. <i>Journal of Materiomics</i> , 2020, 6, 371-376.	5.7	12
17	Nonvolatile ZnO-Based Ferroelectric Field Effect Transistors for Active-Matrix Organic Light-Emitting Diode Display. <i>IEEE Electron Device Letters</i> , 2020, 41, 42-45.	3.9	9
18	Mg-doping enhanced superconductivity and ferromagnetism in Ti _{1-x} Mg _x O films. <i>Acta Materialia</i> , 2020, 200, 66-73.	7.9	4

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19	Distinct superconducting properties and hydrostatic pressure effects in 2D I^{\pm} - and I^2 -Mo ₂ C crystal sheets. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	10
20	Enhanced thermoelectric efficiency in nanocrystalline bismuth telluride nanotubes. <i>Nanotechnology</i> , 2020, 31, 365703.	2.6	4
21	Negatively Charged Nanosheets Significantly Enhance the Energy Storage Capability of Polymer-Based Nanocomposites. <i>Advanced Materials</i> , 2020, 32, e1907227.	21.0	156
22	Spin Rectification and Electrically Controlled Spin Transport in Molecular-Ferroelectrics-Based Spin Valves. <i>Physical Review Applied</i> , 2020, 13, .	3.8	9
23	Sub-nanosecond memristor based on ferroelectric tunnel junction. <i>Nature Communications</i> , 2020, 11, 1439.	12.8	163
24	BiFeO_3 -Based Flexible Ferroelectric Memristors for Neuromorphic Pattern Recognition. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1081-1089.	4.3	52
25	Photovoltaic effect and photo-assisted diode behavior in Pt/ BiFeO_3 /Nb-doped SrTiO_3 heterojunction. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 127301.	0.5	3
26	Laser-induced transverse voltage in (111)-oriented $\text{TiO}_{1+\delta}$ epitaxial thin films with cubic structure. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	4
27	Structural, magnetic and dielectric properties of BaFe_2Se_3 crystals. <i>Europhysics Letters</i> , 2019, 126, 27005.	2.0	6
28	Beating the exclusion rule against the coexistence of robust luminescence and ferromagnetism in chalcogenide monolayers. <i>Nature Communications</i> , 2019, 10, 1584.	12.8	58
29	Structure and transport properties of titanium oxide (Ti_2O , $\text{TiO}_{1+\delta}$, and Ti_3O_5) thin films. <i>Journal of Alloys and Compounds</i> , 2019, 786, 607-613.	5.5	23
30	Nonvolatile Memory: Ultrafast Multilevel Switching in Au/YIG/ Si RRAM (Adv. Electron. Mater. 2/2019). <i>Advanced Electronic Materials</i> , 2019, 5, 1970008.	5.1	3
31	Quantum Griffiths singularities in TiO superconducting thin films with insulating normal states. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	10
32	Ultrafast Multilevel Switching in Au/YIG/ Si RRAM. <i>Advanced Electronic Materials</i> , 2019, 5, 1800418.	5.1	18
33	Positive and negative magnetoresistances in Co/Cu/Ni spin-valves. <i>Materials Letters</i> , 2019, 240, 124-127.	2.6	5
34	Solid-State Synapse Based on Magnetoelectrically Coupled Memristor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5649-5656.	8.0	55
35	Some device implications of voltage controlled magnetic anisotropy in $\text{Co/Gd}_2\text{O}_3$ thin films through REDOX chemistry. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 487-492.	2.3	2
36	Indications of magnetic coupling effects in spin cross-over molecular thin films. <i>Chemical Communications</i> , 2018, 54, 944-947.	4.1	24

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37	A High-Speed and Low-Power Multistate Memory Based on Multiferroic Tunnel Junctions. <i>Advanced Electronic Materials</i> , 2018, 4, 1700560.	5.1	45
38	Quasi-two-dimensional vortex-glass transition and the critical current density in TiO epitaxial thin films. <i>Superconductor Science and Technology</i> , 2018, 31, 015016.	3.5	6
39	Atomic-scale mapping of interface reconstructions in multiferroic heterostructures. <i>Applied Physics Reviews</i> , 2018, 5, .	11.3	23
40	Tuning the Néel Temperature of Hexagonal Ferrites by Structural Distortion. <i>Physical Review Letters</i> , 2018, 121, 237203.	7.8	29
41	Ferroelectric domain switching dynamics and memristive behaviors in BiFeO ₃ -based magnetoelectric heterojunctions. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 234005.	2.8	15
42	Quantum superconductor-insulator transition in titanium monoxide thin films with a wide range of oxygen contents. <i>Physical Review B</i> , 2018, 98, .	3.2	14
43	Electric-Field-Controlled Nonvolatile Magnetization Rotation and Magnetoresistance Effect in Co/Cu/Ni Spin Valves on Piezoelectric Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21390-21397.	8.0	12
44	Spin-polarized current injection induced magnetic reconstruction at oxide interface. <i>Scientific Reports</i> , 2017, 7, 40048.	3.3	3
45	Anti-site mixing and magnetic properties of Fe ₃ Co ₃ Nb ₂ studied via neutron powder diffraction. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025002.	2.8	6
46	Ultrahigh Energy Density in SrTiO ₃ Film Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20484-20490.	8.0	100
47	Current-driven interface magnetic transition in complex oxide heterostructure. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 04F101.	1.2	0
48	Structure Evolution and Multiferroic Properties in Cobalt Doped Bi ₄ NdTi ₃ Fe _{1-x} CoxO ₁₅ -Bi ₃ NdTi ₂ Fe _{1-x} CoxO ₁₂ - γ Intergrowth Aurivillius Compounds. <i>Scientific Reports</i> , 2017, 7, 43540.	3.3	19
49	Effect of interface on epitaxy and magnetism in h-RFeO ₃ /Fe ₃ O ₄ /Al ₂ O ₃ films (R = Lu, Yb) <i>Journal of Physics Condensed Matter</i> , 2017, 29, 164001.		
50	A review on all-perovskite multiferroic tunnel junctions. <i>Journal of Materiomics</i> , 2017, 3, 245-254.	5.7	40
51	Locking and Unlocking the Molecular Spin Crossover Transition. <i>Advanced Materials</i> , 2017, 29, 1702257.	21.0	55
52	Hydrostatic pressure effect on the transport properties in TiO superconducting thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	9
53	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO ₃ . <i>Physical Review B</i> , 2017, 95, .	11.7	17
54	Enhanced superconductivity in TiO epitaxial thin films. <i>Npj Quantum Materials</i> , 2017, 2, .	5.2	53

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55	Anisotropic magneto-transport properties of electron gases at SrTiO ₃ (111) and (110) surfaces. Applied Physics Letters, 2016, 109, .	3.3	34
56	Photovoltaic effect in YBa ₂ Cu ₃ O _{7-δ} /Nb-doped SrTiO ₃ heterojunctions. Applied Physics Letters, 2016, 109, .	3.3	15
57	Room temperature ferroelectricity in continuous croconic acid thin films. Applied Physics Letters, 2016, 109, .	3.3	33
58	Electric-field-controlled nonvolatile magnetic switching and resistive change in La _{0.6} Sr _{0.4} MnO ₃ /0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ (011) heterostructure at room temperature. Applied Physics Letters, 2016, 109, .	3.3	12
59	Interface magnetization transition via minority spin injection. Applied Physics Letters, 2016, 109, .	3.3	3
60	Interfacial Ion Intermixing Effect on Four-Resistance States in La _{0.7} Sr _{0.3} MnO ₃ /BaTiO ₃ /La _{0.7} Sr _{0.3} MnO ₃ Multiferroic Tunnel Junctions. ACS Applied Materials & Interfaces, 2016, 8, 10422-10429.	3.3	3
61	Temperature dependence of lower critical field in stripe ordered La _{1.6-x} Nd _{0.4} Sr _x CuO ₄ superconductors. Physica C: Superconductivity and Its Applications, 2016, 521-522, 18-21.	1.2	3
62	Robustness of topological surface states against strong disorder observed in $B_{i,j}T_{k,l}Mn_{m,n}$ nanotubes. ACS Applied Materials & Interfaces, 2016, 8, 10422-10429.	3.2	18
63	Octonary Resistance States in La _{0.7} Sr _{0.3} MnO ₃ /BaTiO ₃ /La _{0.7} Sr _{0.3} MnO ₃ Multiferroic Tunnel Junctions. Advanced Electronic Materials, 2015, 1, 1500183.	3.3	3
64	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). Journal of Applied Physics, 2015, 117, .	2.5	26
65	Effects of Interface Layers and Domain Walls on the Ferroelectric-Resistive Switching Behavior of Au/BiFeO ₃ /La _{0.6} Sr _{0.4} MnO ₃ Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 26036-26042.	8.0	24
66	Effect of injected spins with different polarized orientations on the vortex phase transition in La _{0.7} Sr _{0.3} MnO ₃ /La _{1.85} Sr _{0.15} CuO ₄ heterostructure. Journal of Applied Physics, 2015, 117, 17E118.	2.5	1
67	Nanoscale-phase-separation enhanced critical current and vortex transition temperature in K _{0.62} Fe _{1.71} Se ₂ crystals. Europhysics Letters, 2015, 111, 37001.	2.0	1
68	Angle-resolved vortex glass transition and pinning properties in BaFe _{1.8} Co _{0.2} As ₂ single crystals. Journal of Applied Physics, 2015, 117, 173901.	2.5	10
69	Comment on "Anomalous capacitance response induced by the superconducting gap in an Au/BiFeO ₃ /La _{1.84} Sr _{0.16} CuO ₄ /LaSrAlO ₄ heterostructure" [Appl. Phys. Lett. 103, 153507 (2013)]. Applied Physics Letters, 2014, 105, 246103.	3.3	1
70	Influence of spin injection on the critical current density in La _{0.7} Sr _{0.3} MnO ₃ /La _{1.85} Sr _{0.15} CuO ₄ heterostructure. AIP Advances, 2014, 4, 127138.	1.3	2
71	Anisotropic transport property anomaly in K _{0.8} Fe _{1.65} Se ₂ crystal. Journal of Applied Physics, 2014, 115, 143905.	2.5	3
72	Angular dependence of vortex dynamics in BaFe _{1.9} Ni _{0.1} As ₂ single crystal. Materials Research Express, 2014, 1, 016003.	1.6	3

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73	Effects of magnetic electrode on the ferroelectric properties in heteroepitaxial BiFeO ₃ /La _{0.625} Ca _{0.375} MnO ₃ thin films. Journal of Applied Physics, 2014, 115, 094504.	2.5	6
74	Coexistence of four resistance states and exchange bias in La _{0.6} Sr _{0.4} MnO ₃ /BiFeO ₃ /La _{0.6} Sr _{0.4} MnO ₃ multiferroic tunnel junction. Applied Physics Letters, 2014, 104, 043507.	3.3	35
75	Structural evolution from Bi _{4.2} K _{0.8} Fe ₂ O ₉ nanobelts to BiFeO ₃ nanochains in vacuum and their multiferroic properties. Nanoscale, 2014, 6, 14766-14771.	5.6	8
76	Colossal magnetoresistance in manganites and related prototype devices. Chinese Physics B, 2013, 22, 087502.	1.4	40
77	Effect of carrier density and valence states on superconductivity of oxygen annealed Fe _{1.06} Te _{0.6} Se _{0.4} single crystals. Journal of Applied Physics, 2013, 114, 183901.	2.5	10
78	Manipulation of morphologies and magnetic properties for Bi _{4.2} K _{0.8} Fe ₂ O ₉ nanostructures. CrystEngComm, 2013, 15, 9057.	2.6	1
79	Enhanced tunnelling electroresistance effect due to a ferroelectrically induced phase transition at a magnetic complex oxide interface. Nature Materials, 2013, 12, 397-402.	27.5	283
80	Coexistence of Superconductivity and Ferromagnetism in La _{2-x} Sr _x CuO ₄ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 3028-3035.	3.1	9
81	Tunable dielectric and ferroelectric properties in heteroepitaxial PbZr _{0.52} Ti _{0.48} O ₃ /La _{0.625} Ca _{0.375} MnO ₃ thin films. Journal of Applied Physics, 2013, 114, .	2.5	12
82	Coaction and distinguishment of converse piezoelectric and field effects in La _{0.7} Ca _{0.3} MnO ₃ /SrTiO ₃ /0.68Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.32PbTiO ₃ heterostructures. Applied Physics Letters, 2013, 103, .	3.3	23
83	Stripe order related in-plane fourfold symmetric superconductivity in La _{1.45} Nd _{0.4} Sr _{0.15} CuO ₄ single crystal. Journal of Applied Physics, 2013, 113, 053912.	2.5	2
84	Microstructural phase separation related in-plane fourfold symmetric superconductivity in K _{0.8} Fe _{1.65} Se ₂ crystals. Applied Physics Letters, 2013, 102, .	3.3	8
85	Effect of injected spins with different polarized orientations on the superconductivity of La _{0.7} Sr _{0.3} MnO ₃ /La _{1.85} Sr _{0.15} CuO ₄ thin films. Applied Physics Letters, 2013, 103, .	3.3	5
86	Multi-state resistive switching memory with secure information storage in Au/BiFe _{0.95} Mn _{0.05} O ₃ /La _{5/8} Ca _{3/8} MnO ₃ heterostructure. Applied Physics Letters, 2012, 100, .	3.3	30
87	Multiferroic tunnel junctions. Frontiers of Physics, 2012, 7, 380-385.	5.0	41
88	Coexistence of tunneling magnetoresistance and electroresistance at room temperature in La _{0.7} Sr _{0.3} MnO ₃ /(Ba, Sr)TiO ₃ /La _{0.7} Sr _{0.3} MnO ₃ multiferroic tunnel junctions. Journal of Applied Physics, 2011, 109, .	2.5	54
89	The anomalous anisotropy in the ac susceptibility of La _{1.45} Nd _{0.4} Sr _{0.15} CuO ₄ single crystal. Physica C: Superconductivity and Its Applications, 2010, 470, S86-S87.	1.2	0
90	Magnetodielectric Effect and Tunable Dielectric Properties of LaMn _{1-x} Fe _x O ₃ . Journal of the American Ceramic Society, 2010, 93, 3814-3818.	3.8	11

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91	Current-voltage characteristics of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4/\text{Nb-doped SrTiO}_3$ heterojunctions. Journal of Applied Physics, 2010, 107, 053915.	2.5	11
92	Spin structure transition in $\text{La}_{1.6}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$ superconductors. Journal of Physics Condensed Matter, 2010, 22, 275701.	1.8	1
93	In-plane anisotropic vortex pinning and relaxation in a stripe-ordered $\text{La}_{1.45}\text{Nd}_{0.4}\text{Sr}_{0.15}\text{CuO}_4$ superconductor. Applied Physics Letters, 2009, 94, 142508.	3.3	3
94	Dynamic properties of cluster glass in $\text{La}_{0.25}\text{Ca}_{0.75}\text{MnO}_3$ nanoparticles. Journal of Applied Physics, 2009, 106, .	2.5	59
95	Coexistence of tunneling magnetoresistance and electroresistance at room temperature in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/(\text{Ba, Sr})\text{TiO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ multiferroic tunnel junctions. , 0, .		1