

Yuewei Yin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7643515/publications.pdf>

Version: 2024-02-01

95
papers

2,290
citations

236833

25
h-index

233338

45
g-index

96
all docs

96
docs citations

96
times ranked

2992
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced tunnelling electroresistance effect due to a ferroelectrically induced phase transition at a magnetic complex oxide interface. <i>Nature Materials</i> , 2013, 12, 397-402.	13.3	283
2	Sub-nanosecond memristor based on ferroelectric tunnel junction. <i>Nature Communications</i> , 2020, 11, 1439.	5.8	163
3	Negatively Charged Nanosheets Significantly Enhance the Energy Storage Capability of Polymer-Based Nanocomposites. <i>Advanced Materials</i> , 2020, 32, e1907227.	11.1	156
4	Ultrahigh Energy Density in SrTiO ₃ Film Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20484-20490.	4.0	100
5	High-precision and linear weight updates by subnanosecond pulses in ferroelectric tunnel junction for neuro-inspired computing. <i>Nature Communications</i> , 2022, 13, 699.	5.8	74
6	Scalable Polyimide-Poly(Amic Acid) Copolymer Based Nanocomposites for High-Temperature Capacitive Energy Storage. <i>Advanced Materials</i> , 2022, 34, e2101976.	11.1	67
7	Dynamic properties of cluster glass in La _{0.25} Ca _{0.75} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	59
8	Beating the exclusion rule against the coexistence of robust luminescence and ferromagnetism in chalcogenide monolayers. <i>Nature Communications</i> , 2019, 10, 1584.	5.8	58
9	Locking and Unlocking the Molecular Spin Crossover Transition. <i>Advanced Materials</i> , 2017, 29, 1702257.	11.1	55
10	Solid-State Synapse Based on Magnetoelectrically Coupled Memristor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5649-5656.	4.0	55
11	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. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	54
12	Enhanced superconductivity in TiO epitaxial thin films. <i>Npj Quantum Materials</i> , 2017, 2, .	1.8	53
13	BiFeO ₃ -Based Flexible Ferroelectric Memristors for Neuromorphic Pattern Recognition. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1081-1089.	2.0	52
14	A High-Speed and Low-Power Multistate Memory Based on Multiferroic Tunnel Junctions. <i>Advanced Electronic Materials</i> , 2018, 4, 1700560.	2.6	45
15	Multiferroic tunnel junctions. <i>Frontiers of Physics</i> , 2012, 7, 380-385.	2.4	41
16	Colossal magnetoresistance in manganites and related prototype devices. <i>Chinese Physics B</i> , 2013, 22, 087502.	0.7	40
17	A review on all-perovskite multiferroic tunnel junctions. <i>Journal of Materiomics</i> , 2017, 3, 245-254.	2.8	40
18	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. <i>Applied Physics Letters</i> , 2014, 104, 043507.	1.5	35

#	ARTICLE	IF	CITATIONS
19	Anisotropic magneto-transport properties of electron gases at SrTiO ₃ (111) and (110) surfaces. Applied Physics Letters, 2016, 109, .	1.5	34
20	Room temperature ferroelectricity in continuous croconic acid thin films. Applied Physics Letters, 2016, 109, .	1.5	33
21	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, .	1.5	30
22	Large Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie - International Edition, 2021, 60, 14124-14130.	7.2	30
23	Tuning the Néel Temperature of Hexagonal Ferrites by Structural Distortion. Physical Review Letters, 2018, 121, 237203.	2.9	29
24	Improved Working Temperature and Capacitive Energy Density of Biaxially Oriented Polypropylene Films with Alumina Coating Layers. ACS Applied Energy Materials, 2022, 5, 3119-3128.	2.5	28
25	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO_3 . Physical Review B, 2017, 95, .	1.7	27
26	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). Journal of Applied Physics, 2015, 117, .	1.1	26
27	Octonary Resistance States in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{BaTiO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Multiferroic Tunnel Junctions. Advanced Electronic Materials, 2015, 1, 1500183.	1.1	24
28	Effects of Interface Layers and Domain Walls on the Ferroelectric-Resistive Switching Behavior of $\text{Au/BiFeO}_3/\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 26036-26042.	4.0	24
29	Interfacial Ion Intermixing Effect on Four-Resistance States in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{BaTiO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Multiferroic Tunnel Junctions. ACS Applied Materials & Interfaces, 2016, 8, 10422-10429.	1.1	24
30	Indications of magnetic coupling effects in spin cross-over molecular thin films. Chemical Communications, 2018, 54, 944-947.	2.2	24
31	Coaction and distinguishment of converse piezoelectric and field effects in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{SrTiO}_3/0.68\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.32\text{PbTiO}_3$ heterostructures. Applied Physics Letters, 2013, 103, .	1.5	23
32	Atomic-scale mapping of interface reconstructions in multiferroic heterostructures. Applied Physics Reviews, 2018, 5, .	5.5	23
33	Structure and transport properties of titanium oxide (Ti ₂ O, TiO ₁₊ , and Ti ₃ O ₅) thin films. Journal of Alloys and Compounds, 2019, 786, 607-613.	2.8	23
34	A flexible BiFeO ₃ -based ferroelectric tunnel junction memristor for neuromorphic computing. Journal of Materiomics, 2022, 8, 144-149.	2.8	23
35	Structure Evolution and Multiferroic Properties in Cobalt Doped $\text{Bi}_4\text{NdTi}_3\text{Fe}_{1-x}\text{Co}_x\text{O}_{15}$ - $\text{Bi}_3\text{NdTi}_2\text{Fe}_{1-x}\text{Co}_x\text{O}_{12}$ Intergrowth Aurivillius Compounds. Scientific Reports, 2017, 7, 43540.	1.6	19
36	Robustness of topological surface states against strong disorder observed in Bi_2Te_3 nanotubes. Physical Review B, 2017, 95, .	1.1	18

#	ARTICLE	IF	CITATIONS
37	Ultrafast Multilevel Switching in Au/YIG/n-Si RRAM. <i>Advanced Electronic Materials</i> , 2019, 5, 1800418.	2.6	18
38	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.	4.0	18
39	Photovoltaic effect in YBa ₂ Cu ₃ O _{7-δ} /Nb-doped SrTiO ₃ heterojunctions. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	15
40	Ferroelectric domain switching dynamics and memristive behaviors in BiFeO ₃ -based magnetolectric heterojunctions. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 234005.	1.3	15
41	Ternary VOCl single-crystal as efficient gate dielectric for 2D field-effect transistors. <i>2D Materials</i> , 2021, 8, 025010.	2.0	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, .	1.1	14
43	Anomalous Structural Evolution and Glassy Lattice in Mixed-Halide Hybrid Perovskites. <i>Small</i> , 2022, 18, e2200847.	5.2	13
44	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. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	12
45	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. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	12
46	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.	4.0	12
47	Improved energy storage performance of nanocomposites with Bi ₄ Ti _{0.8} Fe ₂ O ₉ + δ nanobelts. <i>Journal of Materiomics</i> , 2020, 6, 371-376.	2.8	12
48	Efficient Parallel Multi-Bit Logic-in-Memory Based on a Ultrafast Ferroelectric Tunnel Junction Memristor. <i>Advanced Electronic Materials</i> , 2021, 7, 2000988.	2.6	12
49	Magnetodielectric Effect and Tunable Dielectric Properties of LaMn _{1-x} Fe _x O ₃ . <i>Journal of the American Ceramic Society</i> , 2010, 93, 3814-3818.	1.9	11
50	Current-voltage characteristics of La _{2-x} Sr _x CuO ₄ /Nb-doped SrTiO ₃ heterojunctions. <i>Journal of Applied Physics</i> , 2010, 107, 053915.	1.1	11
51	Effect of carrier density and valence states on superconductivity of oxygen annealed Fe _{1.06} Te _{0.6} Se _{0.4} single crystals. <i>Journal of Applied Physics</i> , 2013, 114, 183901.	1.1	10
52	Angle-resolved vortex glass transition and pinning properties in BaFe _{1.8} Co _{0.2} As ₂ single crystals. <i>Journal of Applied Physics</i> , 2015, 117, 173901.	1.1	10
53	Quantum Griffiths singularities in TiO superconducting thin films with insulating normal states. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	10
54	Distinct superconducting properties and hydrostatic pressure effects in 2D δ - and δ^2 -Mo ₂ C crystal sheets. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	10

#	ARTICLE	IF	CITATIONS
55	Coexistence of Superconductivity and Ferromagnetism in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3028-3035.	1.5	9
56	Effect of interface on epitaxy and magnetism in $\text{h-RFeO}_3/\text{Fe}_3\text{O}_4/\text{Al}_2\text{O}_3$ films ($R = \text{Lu, Yb}$). <i>Journal of Physics Condensed Matter</i> , 2017, 29, 164001.		
57	Hydrostatic pressure effect on the transport properties in TiO superconducting thin films. <i>Physical Review B</i> , 2017, 96, .	1.1	9
58	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.	2.2	9
59	Spin Rectification and Electrically Controlled Spin Transport in Molecular-Ferroelectrics-Based Spin Valves. <i>Physical Review Applied</i> , 2020, 13, .	1.5	9
60	Microstructural phase separation related in-plane fourfold symmetric superconductivity in $\text{K}_0.8\text{Fe}_{1.65}\text{Se}_2$ crystals. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	8
61	Structural evolution from $\text{Bi}_{4.2}\text{K}_{0.8}\text{Fe}_2\text{O}_{9+\delta}$ nanobelts to BiFeO_3 nanochains in vacuum and their multiferroic properties. <i>Nanoscale</i> , 2014, 6, 14766-14771.	2.8	8
62	High-Speed Nanoscale Ferroelectric Tunnel Junction for Multilevel Memory and Neural Network Computing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24602-24609.	4.0	8
63	Effects of magnetic electrode on the ferroelectric properties in heteroepitaxial $\text{BiFeO}_3/\text{La}_{0.625}\text{Ca}_{0.375}\text{MnO}_3$ thin films. <i>Journal of Applied Physics</i> , 2014, 115, 094504.	1.1	6
64	Anti-site mixing and magnetic properties of $\text{Fe}_3\text{Co}_3\text{Nb}_2$ studied via neutron powder diffraction. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025002.	1.3	6
65	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.	1.8	6
66	Structural, magnetic and dielectric properties of BaFe_2Se_3 crystals. <i>Europhysics Letters</i> , 2019, 126, 27005.	0.7	6
67	Effect of injected spins with different polarized orientations on the superconductivity of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ thin films. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	5
68	Positive and negative magnetoresistances in Co/Cu/Ni spin-valves. <i>Materials Letters</i> , 2019, 240, 124-127.	1.3	5
69	Sulfur-vacancy-tunable interlayer magnetic coupling in centimeter-scale MoS_2 bilayer. <i>Nano Research</i> , 2022, 15, 881-888.	5.8	5
70	Laser-induced transverse voltage in (111)-oriented $\text{TiO}_{1+\delta}$ epitaxial thin films with cubic structure. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	4
71	Mg-doping enhanced superconductivity and ferromagnetism in $\text{Ti}_{1-x}\text{Mg}_x\text{O}$ films. <i>Acta Materialia</i> , 2020, 200, 66-73.	3.8	4
72	Enhanced thermoelectric efficiency in nanocrystalline bismuth telluride nanotubes. <i>Nanotechnology</i> , 2020, 31, 365703.	1.3	4

#	ARTICLE	IF	CITATIONS
73	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.	3.5	4
74	In-plane anisotropic vortex pinning and relaxation in a stripe-ordered La _{1.45} Nd _{0.4} Sr _{0.15} CuO ₄ superconductor. <i>Applied Physics Letters</i> , 2009, 94, 142508.	1.5	3
75	Anisotropic transport property anomaly in K _{0.8} Fe _{1.65} Se ₂ crystal. <i>Journal of Applied Physics</i> , 2014, 115, 143905.	1.1	3
76	Angular dependence of vortex dynamics in BaFe _{1.9} Ni _{0.1} As ₂ single crystal. <i>Materials Research Express</i> , 2014, 1, 016003.	0.8	3
77	Interface magnetization transition via minority spin injection. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	3
78	Temperature dependence of lower critical field in stripe ordered La _{1.6-x} Nd _{0.4} Sr _x CuO ₄ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2016, 521-522, 18-21.	0.6	3
79	Spin-polarized current injection induced magnetic reconstruction at oxide interface. <i>Scientific Reports</i> , 2017, 7, 40048.	1.6	3
80	Nonvolatile Memory: Ultrafast Multilevel Switching in Au/YIG/n ⁺ Si RRAM (Adv. Electron. Mater. 2/2019). <i>Advanced Electronic Materials</i> , 2019, 5, 1970008.	2.6	3
81	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.	0.2	3
82	Positive-to-negative subthreshold swing of a MOSFET tuned by the ferroelectric switching dynamics of BiFeO ₃ . <i>NPG Asia Materials</i> , 2021, 13, .	3.8	3
83	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.	2.8	3
84	Stripe order related in-plane fourfold symmetric superconductivity in La _{1.45} Nd _{0.4} Sr _{0.15} CuO ₄ single crystal. <i>Journal of Applied Physics</i> , 2013, 113, 053912.	1.1	2
85	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. <i>AIP Advances</i> , 2014, 4, 127138.	0.6	2
86	Some device implications of voltage controlled magnetic anisotropy in Co/Gd ₂ O ₃ thin films through REDOX chemistry. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 487-492.	1.0	2
87	Insights into superconductivity of LaO from experiments and first-principles calculations. <i>Physical Review B</i> , 2021, 104, .	1.1	2
88	Spin structure transition in La _{1.6} â ²⁺ Nd _{0.4} Sr _x CuO ₄ superconductors. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 275701.	0.7	1
89	Manipulation of morphologies and magnetic properties for Bi _{4.2} K _{0.8} Fe ₂ O ₉ +Î ⁺ nanostructures. <i>CrystEngComm</i> , 2013, 15, 9057.	1.3	1
90	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)]. <i>Applied Physics Letters</i> , 2014, 105, 246103.	1.5	1

#	ARTICLE	IF	CITATIONS
91	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.	1.1	1
92	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.	0.7	1
93	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. , 0, .		1
94	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.	0.6	0
95	Current-driven interface magnetic transition in complex oxide heterostructure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, 04F101.	0.6	0