Yuewei Yin

List of Publications by Year
in descending order

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		236925	233421
95	2,290	25	45
papers	citations	h-index	g-index

96	96	96	2992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Sub-nanosecond memristor based on ferroelectric tunnel junction. Nature Communications, 2020, 11, 1439.	12.8	163
3	Negatively Charged Nanosheets Significantly Enhance the Energyâ€Storage Capability of Polymerâ€Based Nanocomposites. Advanced Materials, 2020, 32, e1907227.	21.0	156
4	Ultrahigh Energy Density in SrTiO₃ Film Capacitors. ACS Applied Materials & Interfaces, 2017, 9, 20484-20490.	8.0	100
5	High-precision and linear weight updates by subnanosecond pulses in ferroelectric tunnel junction for neuro-inspired computing. Nature Communications, 2022, 13, 699.	12.8	74
6	Scalable Polyimideâ€Poly(Amic Acid) Copolymer Based Nanocomposites for Highâ€Temperature Capacitive Energy Storage. Advanced Materials, 2022, 34, e2101976.	21.0	67
7	Dynamic properties of cluster glass in La0.25Ca0.75MnO3 nanoparticles. Journal of Applied Physics, 2009, 106, .	2.5	59
8	Beating the exclusion rule against the coexistence of robust luminescence and ferromagnetism in chalcogenide monolayers. Nature Communications, 2019, 10, 1584.	12.8	58
9	Locking and Unlocking the Molecular Spin Crossover Transition. Advanced Materials, 2017, 29, 1702257.	21.0	55
10	Solid-State Synapse Based on Magnetoelectrically Coupled Memristor. ACS Applied Materials & Interfaces, 2018, 10, 5649-5656.	8.0	55
11	Coexistence of tunneling magnetoresistance and electroresistance at room temperature in La0.7Sr0.3MnO3/(Ba, Sr)TiO3/La0.7Sr0.3MnO3 multiferroic tunnel junctions. Journal of Applied Physics, 2011, 109, .	2.5	54
12	Enhanced superconductivity in TiO epitaxial thin films. Npj Quantum Materials, 2017, 2, .	5.2	53
13	BiFeO₃-Based Flexible Ferroelectric Memristors for Neuromorphic Pattern Recognition. ACS Applied Electronic Materials, 2020, 2, 1081-1089.	4.3	52
14	A Highâ€Speed and Lowâ€Power Multistate Memory Based on Multiferroic Tunnel Junctions. Advanced Electronic Materials, 2018, 4, 1700560.	5.1	45
15	Multiferroic tunnel junctions. Frontiers of Physics, 2012, 7, 380-385.	5.0	41
16	Colossal magnetoresistance in manganites and related prototype devices. Chinese Physics B, 2013, 22, 087502.	1.4	40
17	A review on all-perovskite multiferroic tunnel junctions. Journal of Materiomics, 2017, 3, 245-254.	5.7	40
18	Coexistence of four resistance states and exchange bias in La0.6Sr0.4MnO3/BiFeO3/La0.6Sr0.4MnO3 multiferroic tunnel junction. Applied Physics Letters, 2014, 104, 043507.	3.3	35

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19	Anisotropic magneto-transport properties of electron gases at SrTiO3 (111) and (110) surfaces. Applied Physics Letters, 2016, 109, .	3.3	34
20	Room temperature ferroelectricity in continuous croconic acid thin films. Applied Physics Letters, 2016, 109, .	3.3	33
21	Multi-state resistive switching memory with secure information storage in Au/BiFe0.95Mn0.05O3/La5/8Ca3/8MnO3 heterostructure. Applied Physics Letters, 2012, 100, .	3.3	30
22	Largeâ€Area Crystalline Zeolitic Imidazolate Framework Thin Films. Angewandte Chemie - International Edition, 2021, 60, 14124-14130.	13.8	30
23	Tuning the NÃ©el Temperature of Hexagonal Ferrites by Structural Distortion. Physical Review Letters, 2018, 121, 237203.	7.8	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.	5.1	28
25	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YbFeO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review B, 2017, 95, .	3.2	27
26	Multiferroic tunnel junctions and ferroelectric control of magnetic state at interface (invited). Journal of Applied Physics, 2015, 117, .	2.5	26
27	Octonary Resistance States in La_{0.7}Sr_{0.3}MnO₃/BaTiO₃/La_{0.7}Sr_{0.3}MnO₃ Multiferroic Tunnel Junctions. Advanced Electronic Materials, 2015, 1, 1500183.	6.1	25
28	Effects of Interface Layers and Domain Walls on the Ferroelectric-Resistive Switching Behavior of Au/BiFeO₃/La_{0.6}Sr_{0.4}MnO₃ Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 26036-26042.	8.0	24
29	Interfacial Ion Intermixing Effect on Four-Resistance States in La_{0.7}Sr_{0.3}MnO₃/BaTiO₃/La_{0.7}Sr_{0.3}MnO₃ Multiferroic Tunnel Junctions. ACS Applied Materials & Interfaces, 2016, 8, 10422-10429.	8.0	24
30	Indications of magnetic coupling effects in spin cross-over molecular thin films. Chemical Communications, 2018, 54, 944-947.	4.1	24
31	Coaction and distinguishment of converse piezoelectric and field effects in La0.7Ca0.3MnO3/SrTiO3/0.68Pb(Mg1/3Nb2/3)O3-0.32PbTiO3 heterostructures. Applied Physics Letters, 2013, 103, .	3.3	23
32	Atomic-scale mapping of interface reconstructions in multiferroic heterostructures. Applied Physics Reviews, 2018, 5, .	11.3	23
33	Structure and transport properties of titanium oxide (Ti2O, TiO1+, and Ti3O5) thin films. Journal of Alloys and Compounds, 2019, 786, 607-613.	5.5	23
34	A flexible BiFeO3-based ferroelectric tunnel junction memristor for neuromorphic computing. Journal of Materiomics, 2022, 8, 144-149.	5.7	23
35	Structure Evolution and Multiferroic Properties in Cobalt Doped Bi4NdTi3Fe1-xCoxO15-Bi3NdTi2Fe1-xCoxO12-Î´ Intergrowth Aurivillius Compounds. Scientific Reports, 2017, 7, 43540.	3.3	19
36	Robustness of topological surface states against strong disorder observed in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>nanotubes.	3.2	18

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37	Ultrafast Multilevel Switching in Au/YIG/nâ€Si RRAM. Advanced Electronic Materials, 2019, 5, 1800418.	5.1	18
38	High-Speed Switching and Giant Electroresistance in an Epitaxial Hf_{0.5}Zr_{0.5}O₂-Based Ferroelectric Tunnel Junction Memristor. ACS Applied Materials & Interfaces, 2022, 14, 1355-1361.	8.0	18
39	Photovoltaic effect in YBa2Cu3O7âˆ'Î´/Nb-doped SrTiO3 heterojunctions. Applied Physics Letters, 2016, 109, .	3.3	15
40	Ferroelectric domain switching dynamics and memristive behaviors in BiFeO₃-based magnetoelectric heterojunctions. Journal Physics D: Applied Physics, 2018, 51, 234005.	2.8	15
41	Ternary VOCl single-crystal as efficient gate dielectric for 2D field-effect transistors. 2D Materials, 2021, 8, 025010.	4.4	15
42	Quantum superconductor-insulator transition in titanium monoxide thin films with a wide range of oxygen contents. Physical Review B, 2018, 98, .	3.2	14
43	Anomalous Structural Evolution and Glassy Lattice in Mixedâ€Halide Hybrid Perovskites. Small, 2022, 18, e2200847.	10.0	13
44	Tunable dielectric and ferroelectric properties in heteroepitaxial PbZr0.52Ti0.48O3/La0.625Ca0.375MnO3 thin films. Journal of Applied Physics, 2013, 114, .	2.5	12
45	Electric-field-controlled nonvolatile magnetic switching and resistive change in La0.6Sr0.4MnO3/0.7Pb(Mg1/3Nb2/3)O3-0.3PbTiO3 (011) heterostructure at room temperature. Applied Physics Letters, 2016, 109, .	3.3	12
46	Electric-Field-Controlled Nonvolatile Magnetization Rotation and Magnetoresistance Effect in Co/Cu/Ni Spin Valves on Piezoelectric Substrates. ACS Applied Materials & Interfaces, 2018, 10, 21390-21397.	8.0	12
47	Improved energy storage performance of nanocomposites with Bi4.2K0.8Fe2O9+Î´ nanobelts. Journal of Materiomics, 2020, 6, 371-376.	5.7	12
48	Efficient Parallel Multiâ€Bit Logicâ€inâ€Memory Based on a Ultrafast Ferroelectric Tunnel Junction Memristor. Advanced Electronic Materials, 2021, 7, 2000988.	5.1	12
49	Magnetodielectric Effect and Tunable Dielectric Properties of LaMn_{1âˆ'x}Fe_xO₃. Journal of the American Ceramic Society, 2010, 93, 3814-3818.	3.8	11
50	Current-voltage characteristics of La2âˆ'xSrxCuO4/Nb-doped SrTiO3 heterojunctions. Journal of Applied Physics, 2010, 107, 053915.	2.5	11
51	Effect of carrier density and valence states on superconductivity of oxygen annealed Fe1.06Te0.6Se0.4 single crystals. Journal of Applied Physics, 2013, 114, 183901.	2.5	10
52	Angle-resolved vortex glass transition and pinning properties in BaFe1.8Co0.2As2 single crystals. Journal of Applied Physics, 2015, 117, 173901.	2.5	10
53	Quantum Griffiths singularities in TiO superconducting thin films with insulating normal states. NPG Asia Materials, 2019, 11, .	7.9	10
54	Distinct superconducting properties and hydrostatic pressure effects in 2D Î±- and Î²-Mo2C crystal sheets. NPG Asia Materials, 2020, 12, .	7.9	10

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55	Coexistence of Superconductivity and Ferromagnetism in La_{2-x}Sr_xCuO₄ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 3028-3035.	3.1	9
56	Effect of interface on epitaxy and magnetism in h-RFeO₃/Fe₃O₄/Al₂O₃films (Râ€‰â€‰=â€‰â€‰Lu, Yb). Journal of Physics Condensed Matter, 2017, 29, 164001.	1.8	9
57	Hydrostatic pressure effect on the transport properties in TiO superconducting thin films. Physical Review B, 2017, 96, .	3.2	9
58	Nonvolatile ZnO-Based Ferroelectric Field Effect Transistors for Active-Matrix Organic Light-Emitting Diode Display. IEEE Electron Device Letters, 2020, 41, 42-45.	3.9	9
59	Spin Rectification and Electrically Controlled Spin Transport in Molecular-Ferroelectrics-Based Spin Valves. Physical Review Applied, 2020, 13, .	3.8	9
60	Microstructural phase separation related in-plane fourfold symmetric superconductivity in K0.8Fe1.65Se2 crystals. Applied Physics Letters, 2013, 102, .	3.3	8
61	Structural evolution from Bi_{4.2}K_{0.8}Fe₂O_{9+Î´}nanobelts to BiFeO₃nanochains in vacuum and their multiferroic properties. Nanoscale, 2014, 6, 14766-14771.	5.6	8
62	High-Speed Nanoscale Ferroelectric Tunnel Junction for Multilevel Memory and Neural Network Computing. ACS Applied Materials & Interfaces, 2022, 14, 24602-24609.	8.0	8
63	Effects of magnetic electrode on the ferroelectric properties in heteroepitaxial BiFeO3/La0.625Ca0.375MnO3 thin films. Journal of Applied Physics, 2014, 115, 094504.	2.5	6
64	Anti-site mixing and magnetic properties of Fe₃Co₃Nb₂studied via neutron powder diffraction. Journal Physics D: Applied Physics, 2017, 50, 025002.	2.8	6
65	Quasi-two-dimensional vortexâ€“glass transition and the critical current density in TiO epitaxial thin films. Superconductor Science and Technology, 2018, 31, 015016.	3.5	6
66	Structural, magnetic and dielectric properties of BaFe2Se3 crystals. Europhysics Letters, 2019, 126, 27005.	2.0	6
67	Effect of injected spins with different polarized orientations on the superconductivity of La0.7Sr0.3MnO3/La1.85Sr0.15CuO4 thin films. Applied Physics Letters, 2013, 103, .	3.3	5
68	Positive and negative magnetoresistances in Co/Cu/Ni spin-valves. Materials Letters, 2019, 240, 124-127.	2.6	5
69	Sulfur-vacancy-tunable interlayer magnetic coupling in centimeter-scale MoS2 bilayer. Nano Research, 2022, 15, 881-888.	10.4	5
70	Laser-induced transverse voltage in (111)-oriented TiO1+Î´ epitaxial thin films with cubic structure. Applied Physics Letters, 2019, 114, .	3.3	4
71	Mg-doping enhanced superconductivity and ferromagnetism in Ti1â^'Mg O films. Acta Materialia, 2020, 200, 66-73.	7.9	4
72	Enhanced thermoelectric efficiency in nanocrystalline bismuth telluride nanotubes. Nanotechnology, 2020, 31, 365703.	2.6	4

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73	Reversible optical control of the metal-insulator transition across the epitaxial heterointerface of a VO2/Nb:TiO2 junction. Science China Materials, 2021, 64, 1687-1702.	6.3	4
74	In-plane anisotropic vortex pinning and relaxation in a stripe-ordered La1.45Nd0.4Sr0.15CuO4 superconductor. Applied Physics Letters, 2009, 94, 142508.	3.3	3
75	Anisotropic transport property anomaly in K0.8Fe1.65Se2 crystal. Journal of Applied Physics, 2014, 115, 143905.	2.5	3
76	Angular dependence of vortex dynamics in BaFe_{1.9}Ni_{0.1}As₂single crystal. Materials Research Express, 2014, 1, 016003.	1.6	3
77	Interface magnetization transition via minority spin injection. Applied Physics Letters, 2016, 109, .	3.3	3
78	Temperature dependence of lower critical field in stripe ordered La1.6-xNd0.4SrxCuO4 superconductors. Physica C: Superconductivity and Its Applications, 2016, 521-522, 18-21.	1.2	3
79	Spin-polarized current injection induced magnetic reconstruction at oxide interface. Scientific Reports, 2017, 7, 40048.	3.3	3
80	Nonvolatile Memory: Ultrafast Multilevel Switching in Au/YIG/nâ€Si RRAM (Adv. Electron. Mater. 2/2019). Advanced Electronic Materials, 2019, 5, 1970008.	5.1	3
81	Photovoltaic effect and photo-assisted diode behavior in Pt/BiFeO₃/Nb-doped SrTiO₃ heterojunction. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 127301.	0.5	3
82	Positive-to-negative subthreshold swing of a MOSFET tuned by the ferroelectric switching dynamics of BiFeO3. NPG Asia Materials, 2021, 13, .	7.9	3
83	Continuous and fast magneto-ionic control of magnetism in Ta/Co/BiFeO3/SrRuO3 multiferroic heterostructure. Journal of Materiomics, 2022, 8, 1141-1148.	5.7	3
84	Stripe order related in-plane fourfold symmetric superconductivity in La1.45Nd0.4Sr0.15CuO4 single crystal. Journal of Applied Physics, 2013, 113, 053912.	2.5	2
85	Influence of spin injection on the critical current density in La0.7Sr0.3MnO3/La1.85Sr0.15CuO4 heterostructure. AIP Advances, 2014, 4, 127138.	1.3	2
86	Some device implications of voltage controlled magnetic anisotropy in Co/Gd2O3 thin films through REDOX chemistry. Journal of Magnetism and Magnetic Materials, 2018, 451, 487-492.	2.3	2
87	Insights into superconductivity of LaO from experiments and first-principles calculations. Physical Review B, 2021, 104, .	3.2	2
88	Spin structure transition in La_{1.6 â^'x}Nd_{0.4}Sr_xCuO₄superconductors. Journal of Physics Condensed Matter, 2010, 22, 275701.	1.8	1
89	Manipulation of morphologies and magnetic properties for Bi4.2K0.8Fe2O9+Î´ nanostructures. CrystEngComm, 2013, 15, 9057.	2.6	1
90	Comment on â€œAnomalous capacitance response induced by the superconducting gap in an Au/BiFeO3/La1.84Sr0.16CuO4/LaSrAlO4 heterostructureâ€•[Appl. Phys. Lett. 103, 153507 (2013)]. Applied Physics Letters, 2014, 105, 246103.	3.3	1

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91	Effect of injected spins with different polarized orientations on the vortex phase transition in La0.7Sr0.3MnO3/La1.85Sr0.15CuO4 heterostructure. Journal of Applied Physics, 2015, 117, 17E118.	2.5	1
92	Nanoscale-phase-separationâ€“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
93	Coexistence of tunneling magnetoresistance and electroresistance at room temperature in La0.7Sr0.3MnO3/(Ba, Sr)TiO3/La0.7Sr0.3MnO3 multiferroic tunnel junctions. , 0, .		1
94	The anomalous anisotropy in the ac susceptibility of La1.45Nd0.4Sr0.15CuO4 single crystal. Physica C: Superconductivity and Its Applications, 2010, 470, S86-S87.	1.2	0
95	Current-driven interface magnetic transition in complex oxide heterostructure. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 04F101.	1.2	0