

Yuanjun Yang

List of Publications by Year in descending order

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58
papers

1,240
citations

516710

16
h-index

361022

35
g-index

58
all docs

58
docs citations

58
times ranked

2038
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable SrRuO ₃ phases with lattice-dependent magnetic anisotropy by tailoring interfacial oxygen octahedral coupling. <i>Ceramics International</i> , 2022, 48, 16825-16831.	4.8	5
2	Unraveling Structural Phase Transformation by Simultaneously Determining the Lattice Constants and Mismatch Angle in VO ₂ /Al ₂ O ₃ Epitaxial Thin Films. <i>Frontiers in Materials</i> , 2022, 9, .	2.4	1
3	Realization of high luminous transmittance and solar modulation ability of VO ₂ films by multistep deposition and in-situ annealing method. <i>Surfaces and Interfaces</i> , 2022, 30, 101882.	3.0	3
4	Self-adaptive integration of photothermal and radiative cooling for continuous energy harvesting from the sun and outer space. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120557119.	7.1	52
5	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
6	Direct heating pattern on graphene oxide film to build flexible micro-supercapacitors. <i>Carbon</i> , 2021, 175, 27-35.	10.3	18
7	Narrow-Bandgap Semiconductors of Perovskite Rare-Earth Orthoferrites (REFeO ₃). <i>Current Chinese Science</i> , 2021, 1, 438-452.	0.5	0
8	Electric-field-assisted non-volatile magnetic switching in a magnetoelectronic hybrid structure. <i>IScience</i> , 2021, 24, 102734.	4.1	6
9	Interfacial charge and strain effects on lanthanum doped barium stannate thin film under ferroelectric gating. <i>Applied Physics Letters</i> , 2020, 117, 012101.	3.3	2
10	Speed enhancement of magnetic logic-memory device by insulator-to-metal transition. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7
11	Interfacial Titanium Diffusion Self-Adapting Layer in Ultrathin Epitaxial MnO ₂ /TiO ₂ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47010-47017.	8.0	3
12	Temperature-dependent XAFS study of the local lattice distortion of the CuO ₂ plane in Sr ₂ CuO ₃ + powder sample. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125778.	2.1	1
13	Commercial Upconversion Phosphors with High Light Harvesting: A Superior Candidate for High-Performance Dye-Sensitized Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900382.	1.8	3
14	Unusual Behaviors of Electric-Field Control of Magnetism in Multiferroic Heterostructures via Multifactor Cooperation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25569-25577.	8.0	8
15	Low temperature Pmm and C ₂ /m phases in Sr ₂ CuO ₃ + high temperature superconductor. <i>Chinese Physics B</i> , 2019, 28, 056103.	1.4	0
16	Strain engineering on the metal-insulator transition of VO ₂ /TiO ₂ epitaxial films dependent on the strain state of vanadium dimers. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	18
17	Thickness effects on the epitaxial strain states and phase transformations in (001)-VO ₂ /TiO ₂ thin films. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	24
18	Phase competition in the growth of SrCoO _x /LaAlO ₃ thin films. <i>AIP Advances</i> , 2018, 8, .	1.3	10

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19	Controlling the anomalous Hall effect by electric-field-induced piezo-strain in Fe ₄₀ Pt ₆₀ (001)-Pb(Mg _{1/3} Nb _{2/3}) _{0.67} Ti _{0.33} O ₃ multiferroic heterostructures. Applied Physics Letters, 2018, 112, .	3.3	7
20	Enabling magnetoelastic coupling in Ni/VO ₂ heterostructure by structural phase transition. Journal of Materials Science: Materials in Electronics, 2018, 29, 2561-2567.	2.2	5
21	Controlling metal-insulator transition in (010)-VO ₂ /(0001)-Al ₂ O ₃ epitaxial thin film through surface morphological engineering. Ceramics International, 2018, 44, 3348-3355.	4.8	12
22	Distinguishing charge and strain coupling in ultrathin (001)-La _{0.7} Sr _{0.3} MnO ₃ /PMN-PT heterostructures. Applied Physics Letters, 2018, 113, .	3.3	7
23	Enhanced Thermochromic Properties of Vanadium Dioxide (VO ₂)/Glass Heterostructure by Inserting a Zr-Based Thin Film Metallic Glasses (Cu ₅₀ Zr ₅₀) Buffer Layer. Applied Sciences (Switzerland), 2018, 8, 1751.	2.5	15
24	Investigating Metal-Insulator Transition and Structural Phase Transformation in the (010)-VO ₂ /(001)-YSZ Epitaxial Thin Films. Materials, 2018, 11, 1713.	2.9	7
25	Thickness-dependent anisotropy of metal-insulator transition in (110)-VO ₂ /TiO ₂ epitaxial thin films. Journal of Alloys and Compounds, 2017, 699, 575-580.	5.5	12
26	Polymorph separation induced by angle distortion and electron delocalization effect via orbital modification in V_{O}^{O} epitaxial thin films. Physical Review B, 2017, 95, .	3.2	17
27	Facile synthesis of various epitaxial and textured polymorphs of vanadium oxide thin films on the (0006)-surface of sapphire substrates. RSC Advances, 2017, 7, 22341-22346.	3.6	19
28	Dynamic strain control of the metal-insulator transition and non-volatile resistance switching in (0) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.8	7
29	Electric-field control of magnetic anisotropy rotation in multiferroic Ni/(011)-Pb(Mg _{2/3} Nb _{1/3}) _{0.7} Ti _{0.3} O ₃ heterostructures. Journal of Applied Physics, 2017, 122, .	2.5	5
30	Suppression of Structural Phase Transition in VO ₂ by Epitaxial Strain in Vicinity of Metal-insulator Transition. Scientific Reports, 2016, 6, 23119.	3.3	102
31	The Electric-Field Controllable Non-Volatile 35° Rotation of Magnetic Easy Axis in Magnetoelectric CoFeB/(001)-Cut Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ -25%PbTiO ₃ Heterostructure. Chinese Physics Letters, 2016, 33, 067502.	3.3	4
32	Growth temperature-dependent metal-insulator transition of vanadium dioxide epitaxial films on perovskite strontium titanate (111) single crystals. Journal of Applied Physics, 2016, 119, .	2.5	11
33	Investigation of the Hydrolysis of Perovskite Organometallic Halide CH ₃ NH ₃ PbI ₃ in Humidity Environment. Scientific Reports, 2016, 6, 21976.	3.3	100
34	Quantifying electric-field control of magnetization rotation in Ni/SiO ₂ /Ti/(011)-PMN-PT multiferroic heterostructures via anisotropic magnetoresistance measurements. Materials Letters, 2016, 169, 110-113.	2.6	18
35	For progress in natural science: Materials international investigations of structural phase transformation and THz properties across metal-insulator transition in VO ₂ /Al ₂ O ₃ epitaxial films. Progress in Natural Science: Materials International, 2015, 25, 386-391.	4.4	7
36	Resistance switching of epitaxial VO ₂ /Al ₂ O ₃ heterostructure at room temperature induced by organic liquids. AIP Advances, 2015, 5, 037114.	1.3	16

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37	Electric-field control of non-volatile magnetization switching without external-magnetic-field bias in CoFeB/(011)-PMN-0.3PT heterostructures. <i>Europysics Letters</i> , 2015, 109, 17008.	2.0	6
38	Surface-growth-mode-induced strain effects on the metal-insulator transition in epitaxial vanadium dioxide thin films. <i>RSC Advances</i> , 2015, 5, 80122-80128.	3.6	42
39	The tetragonal-like to rutile structural phase transition in epitaxial $\text{VO}_2/\text{TiO}_2(001)$ thick films. <i>New Journal of Physics</i> , 2015, 17, 113016.	2.9	45
40	The effect of growth oxygen pressure on the metal-insulator transition of ultrathin $\text{Sm}_{0.6}\text{Nd}_{0.4}\text{NiO}_3$ epitaxial films. <i>RSC Advances</i> , 2014, 4, 55082-55086.	3.6	4
41	Probing the domain structure of BiFeO_3 epitaxial films with three-dimensional reciprocal space mapping. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	18
42	Substrate-dependent post-annealing effects on the strain state and electrical transport of epitaxial $\text{La}_{5/8}\text{yPr}_{\text{y}}\text{Ca}_{3/8}\text{MnO}_3$ films. <i>AIP Advances</i> , 2014, 4, .	1.3	3
43	Anomalous thickness-dependent strain states and strain-tunable magnetization in Zn-doped ferrite epitaxial films. <i>Journal of Applied Physics</i> , 2014, 115, 173505.	2.5	15
44	DC current induced metal-insulator transition in epitaxial $\text{Sm}_{0.6}\text{Nd}_{0.4}\text{NiO}_3/\text{LaAlO}_3$ thin film. <i>AIP Advances</i> , 2014, 4, .	1.3	8
45	Polarization-dependent soft X-ray absorption of over-doped superconducting Sr_2CuO_3+ single crystal. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 196, 61-65.	1.7	2
46	Bipolar loop-like non-volatile strain in the (001)-oriented $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystals. <i>Scientific Reports</i> , 2014, 4, 4591.	3.3	80
47	Ferroelectric-domain-controlled magnetic anisotropy in $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}/\text{YMnO}_3$ multiferroic heterostructure. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	13
48	Periodic elastic nanodomains in ultrathin tetragonal-like BiFeO_3 films. <i>Physical Review B</i> , 2013, 88, .	3.2	22
49	Piezo-strain induced non-volatile resistance states in $(011)\text{-La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3/0.7\text{Pb}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3\text{-}0.3\text{PbTiO}_3$ epitaxial heterostructures. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	37
50	Large anisotropic remnant magnetization tunability in $(011)\text{-La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3/0.7\text{Pb}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3\text{-}0.3\text{PbTiO}_3$ multiferroic epitaxial heterostructures. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	54
51	Large anisotropic remnant magnetization in $\text{Co}_{40}\text{Fe}_{40}\text{B}_{20}/\text{PbTiO}_3$ multiferroic heterostructures. <i>Applied Physics Letters</i> , 2012, 100, .		

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55	Electric-Field-Control of Non-Volatile Magnetization Switching in Multiferroic CoFeB/(011)-PMN-PT Heterostructures. <i>Materials Science Forum</i> , 0, 848, 675-681.	0.3	2
56	A Self-Adaptive Integration of Photothermal and Radiative Sky Cooling for Continuously Efficient Harvesting of Energy From the Sun and Outer Space. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
57	Electric-Field Control of Magnetoresistance Behavior in a Conetic Alloy Thin Film/Pb(Mg) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Heterostructure. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
58	Electric-Field Control of Magnetoresistance Behavior in a Conetic Alloy Thin Film/Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ Multiferroic Heterostructure. <i>Frontiers in Materials</i> , 0, 9, .	2.4	3