

# Kui-Juan Jin

## List of Publications by Year in descending order

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173  
papers

5,246  
citations

109321

35  
h-index

110387

64  
g-index

178  
all docs

178  
docs citations

178  
times ranked

5716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange Coupling in Synthetic Anion-Engineered Chromia Heterostructures. <i>Advanced Functional Materials</i> , 2022, 32, 2109828.	14.9	3
2	Enhanced Valley Polarization in $WS_2/LaMnO_3$ Heterostructure. <i>Small</i> , 2022, 18, e2106029.	10.0	8
3	Ferroelectric Proximity Effect and Topological Hall Effect in $SrRuO_3/BiFeO_3$ Multilayers. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 6194-6202.	8.0	11
4	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. <i>Physical Review Letters</i> , 2022, 128, 017202.	7.8	11
5	Strong Light-Matter Interactions between Gap Plasmons and Two-Dimensional Excitons under Ambient Conditions in a Deterministic Way. <i>Nano Letters</i> , 2022, 22, 2177-2186.	9.1	24
6	Large-scale $Hf_{0.5}Zr_{0.5}O_2$ Membranes with Robust Ferroelectricity. <i>Advanced Materials</i> , 2022, 34, e2109889.	21.0	25
7	Photo-induced non-volatile $VO_2$ phase transition for neuromorphic ultraviolet sensors. <i>Nature Communications</i> , 2022, 13, 1729.	12.8	88
8	Emergent multiferroism with magnetodielectric coupling in $EuTiO_3$ created by a negative pressure control of strong spin-phonon coupling. <i>Nature Communications</i> , 2022, 13, 2364.	12.8	23
9	Flexible $VO_2$ Films for In-Sensor Computing with Ultraviolet Light. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	17
10	Manipulating the electronic structure and physical properties in monolayer $Mo_2I_3Br_3$ via strain and doping. <i>Nanoscale</i> , 2022, 14, 8934-8943.	5.6	3
11	Photon-interactions with perovskite oxides. <i>Chinese Physics B</i> , 2022, 31, 088106.	1.4	4
12	Asymmetric ground states in $La_{0.67}Sr_{0.33}MnO_3/BaTiO_3$ heterostructures induced by flexoelectric bending. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	2
13	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , 2021, 33, 2005920.	21.0	25
14	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , 2021, 33, e2001324.	21.0	21
15	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites ( <i>Adv. Mater.</i> 4/2021). <i>Advanced Materials</i> , 2021, 33, 2170026.	21.0	0
16	Electrolyte-gated transistors for neuromorphic applications. <i>Journal of Semiconductors</i> , 2021, 42, 013103.	3.7	23
17	Ferroelectric state and polarization switching behaviour of ultrafine $BaTiO_3$ nanoparticles with large-scale size uniformity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5267-5276.	5.5	9
18	Tunable electronic structure and magnetic anisotropy in bilayer ferromagnetic semiconductor $Cr_2Ge_2Te_6$ . <i>Scientific Reports</i> , 2021, 11, 2744.	3.3	15

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19	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , 2021, 5, .	2.4	12
20	Near-room temperature ferromagnetic insulating state in highly distorted LaCoO <sub>2.5</sub> with CoO <sub>5</sub> square pyramids. <i>Nature Communications</i> , 2021, 12, 1853.	12.8	25
21	Dimensional Control of Octahedral Tilt in SrRuO <sub>3</sub> via Infinite-Layered Oxides. <i>Nano Letters</i> , 2021, 21, 3146-3154.	9.1	14
22	Emergent Magnetic Phenomenon with Unconventional Structure in Epitaxial Manganate Thin Films. <i>Advanced Science</i> , 2021, 8, 2100177.	11.2	7
23	Chiral Photonic Circuits for Deterministic Spin Transfer. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100009.	8.7	8
24	Enhancement of Spin-Orbit Torque by Strain Engineering in SrRuO <sub>3</sub> Films. <i>Advanced Functional Materials</i> , 2021, 31, 2100380.	14.9	26
25	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. <i>Science</i> , 2021, 374, 100-104.	12.6	276
26	Terahertz strong-field physics in light-emitting diodes for terahertz detection and imaging. <i>Communications Physics</i> , 2021, 4, .	5.3	6
27	Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit. <i>Science Advances</i> , 2021, 7, .	10.3	32
28	Strain-engineered high-temperature ferromagnetic oxygen-substituted NaMnF <sub>3</sub> from first principles. <i>Physical Review B</i> , 2021, 104, .	3.7	8
29	Ferromagnetic Enhancement in LaMnO <sub>3</sub> Films with Release and Flexure. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	8
30	Ferromagnetic Enhancement in LaMnO <sub>3</sub> Films with Release and Flexure ( <i>Adv. Mater.</i> )	3.7	8
31	Dynamics of Anisotropic Oxygen-Ion Migration in Strained Cobaltites. <i>Nano Letters</i> , 2021, 21, 10507-10515.	9.1	9
32	Effect of mechanical force on domain switching in BiFeO <sub>3</sub> ultrathin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	5
33	Gating-induced reversible HxVO <sub>2</sub> phase transformations for neuromorphic computing. <i>Nano Energy</i> , 2020, 67, 104268.	16.0	55
34	Hot Polarons with Trapped Excitons and Octahedral Twist Phonons in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Hybrid Perovskite Nanowires. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900267.	8.7	9
35	Structure demonstration of perovskite oxide and its epitaxial thin films by second harmonic generation. <i>Science China Technological Sciences</i> , 2020, 63, 874-876.	4.0	2
36	Reproducible Ultrathin Ferroelectric Domain Switching for High-Performance Neuromorphic Computing. <i>Advanced Materials</i> , 2020, 32, e1905764.	21.0	147

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37	Negative Magnetoresistance Behavior in Polymer Spin Valves Based on Donor-Acceptor Conjugated Molecules. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000868.	3.7	7
38	Metal Silicidation in Conjunction with Dopant Segregation: A Promising Strategy for Fabricating High-Performance Silicon-Based Photoanodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39092-39097.	8.0	10
39	Synthesis of single-crystal La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> freestanding films with different crystal-orientation. <i>APL Materials</i> , 2020, 8, .	5.1	31
40	Surface protonation and oxygen evolution activity of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	5
41	Cavity Quantum Electrodynamics with Second-Order Topological Corner State. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900425.	8.7	65
42	Switching Magnetic Anisotropy of $\text{RuO}_3$ by Capping-Layer-Induced Octahedral Distortion. <i>Physical Review Applied</i> , 2020, 13, .	3.8	14
43	Dual-Gated MoS <sub>2</sub> Transistors for Synaptic and Programmable Logic Functions. <i>Advanced Electronic Materials</i> , 2020, 6, 1901408.	5.1	41
44	Low-threshold topological nanolasers based on the second-order corner state. <i>Light: Science and Applications</i> , 2020, 9, 109.	16.6	180
45	Switchable ferroelectric diode and photovoltaic effects in polycrystalline BiFeO <sub>3</sub> thin films grown on transparent substrates. <i>Thin Solid Films</i> , 2020, 698, 137851.	1.8	27
46	Diabolical points in coupled active cavities with quantum emitters. <i>Light: Science and Applications</i> , 2020, 9, 6.	16.6	20
47	Facile <i>in situ</i> reductive synthesis of both nitrogen deficient and protonated g-C <sub>3</sub> N <sub>4</sub> nanosheets for the synergistic enhancement of visible-light H <sub>2</sub> evolution. <i>Chemical Science</i> , 2020, 11, 2716-2728.	7.4	55
48	Magnetoresistance and Spininterface of Organic Spin Valves Based on Diketopyrrolopyrrole Polymers. <i>Advanced Electronic Materials</i> , 2019, 5, 1900318.	5.1	12
49	Tuning Charge Carrier and Spin Transport Properties via Structural Modification of Polymer Semiconductors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30089-30097.	8.0	22
50	Giant photoinduced lattice distortion in oxygen vacancy ordered $\text{SrCoO}_{2.5}$ thin films. <i>Physical Review B</i> , 2019, 100, .	1.2	9
51	Energy-Efficient Artificial Synapses Based on Oxide Tunnel Junctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43473-43479.	8.0	21
52	Multiferroic Metal-PbNb <sub>0.12</sub> Ti <sub>0.88</sub> O <sub>3</sub> Films on Nb-Doped STO. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2109-2115.	4.3	13
53	Magnetoresistance in Metallic Ferroelectrics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1225-1232.	4.3	4
54	Giant Electroresistance in Ferroionic Tunnel Junctions. <i>IScience</i> , 2019, 16, 368-377.	4.1	51

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55	Electrolyte-Gated Synaptic Transistor with Oxygen Ions. <i>Advanced Functional Materials</i> , 2019, 29, 1902702.	14.9	103
56	Approaching the Intrinsic Lifetime and Modulating a Graphene Plasmonic Resonance at a Few Hundred GHz. <i>Advanced Optical Materials</i> , 2019, 7, 1900315.	7.3	8
57	Electronic structure evolutions driven by oxygen vacancy in SrCoO <sub>3-x</sub> films. <i>Science China Materials</i> , 2019, 62, 1162-1168.	6.3	27
58	A Ferrite Synaptic Transistor with Topotactic Transformation. <i>Advanced Materials</i> , 2019, 31, e1900379.	21.0	134
59	Temperature-dependent evolution of surface charge screening and polarization at ferroelectric surfaces. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	7
60	Enhanced Strong Interaction between Nanocavities and $p$ -shell Excitons Beyond the Dipole Approximation. <i>Physical Review Letters</i> , 2019, 122, 087401.	7.8	34
61	Internal Electric Field and Polarization Backswitching Induced by Nb Doping in BiFeO <sub>3</sub> Thin Films. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2701-2707.	4.3	12
62	Maximization of ferromagnetism in LaCoO <sub>3</sub> films by competing symmetry. <i>Physical Review Materials</i> , 2019, 3, .	2.4	13
63	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO <sub>2.5</sub> Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10211-10219.	8.0	31
64	Strain-engineering stabilization of BaTiO <sub>3</sub> -based polar metals. <i>Physical Review B</i> , 2018, 97, .	3.2	26
65	High-Responsivity Photodetection by a Self-Catalyzed Phase-Pure GaAs Nanowire. <i>Small</i> , 2018, 14, e1704429.	10.0	54
66	Oxygen-vacancy-mediated dielectric property in perovskite Eu <sub>0.5</sub> Ba <sub>0.5</sub> TiO <sub>3-<math>\delta</math></sub> epitaxial thin films. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	16
67	Temperature-dependent phase transition in barium titanate crystals probed by second harmonic generation. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	16
68	Manipulating the Ferroelectric Domain States and Structural Distortion in Epitaxial BiFeO <sub>3</sub> Ultrathin Films via Bi Nonstoichiometry. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 43792-43801.	8.0	15
69	Design strategy for ferroelectric-based polar metals with dimensionality-tunable electronic states. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	8
70	Biaxial strain engineering of charge ordering and orbital ordering in HoNiO <sub>3</sub> . <i>Physical Review B</i> , 2018, 97, .	3.2	5
71	Two-Photon Rabi Splitting in a Coupled System of a Nanocavity and Exciton Complexes. <i>Physical Review Letters</i> , 2018, 120, 213901.	7.8	53
72	Artificial Synapses Emulated by an Electrolyte-Gated Tungsten-Oxide Transistor. <i>Advanced Materials</i> , 2018, 30, e1801548.	21.0	293

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73	The Evidence of Giant Surface Flexoelectric Field in (111) Oriented BiFeO <sub>3</sub> Thin Film. ACS Applied Materials & Interfaces, 2017, 9, 5600-5606.	8.0	9
74	High-Q Microcavity Enhanced Optical Properties of CuInS <sub>2</sub> /ZnS Colloidal Quantum Dots toward Non-Photodegradation. ACS Photonics, 2017, 4, 369-377.	6.6	9
75	Modulation of ultrafast laser-induced magnetization precession in BiFeO <sub>3</sub> -coated La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> thin films. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	5
76	Relaxor-like behaviors in Na <sub>1/2</sub> Bi <sub>1/2</sub> Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. Journal of the American Ceramic Society, 2017, 100, 2016-2023.	3.8	13
77	Self-powered sensitive and stable UV-visible photodetector based on GdNiO <sub>3</sub> /Nb-doped SrTiO <sub>3</sub> heterojunctions. Applied Physics Letters, 2017, 110, .	3.3	35
78	Solar-blind ultraviolet photodetector based on (LaAlO <sub>3</sub> ) <sub>0.3</sub> -(SrAl <sub>0.5</sub> Ta <sub>0.5</sub> O <sub>3</sub> ) <sub>0.7</sub> single crystal. AIP Advances, 2017, 7, .	1.3	9
79	Effects of BaTiO <sub>3</sub> and SrTiO <sub>3</sub> as the buffer layers of epitaxial BiFeO <sub>3</sub> thin films. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	11
80	Self-driven visible-blind photodetector based on ferroelectric perovskite oxides. Applied Physics Letters, 2017, 110, .	3.3	64
81	Effects of line defects on the electronic and optical properties of strain-engineered WO <sub>3</sub> thin films. Journal of Materials Chemistry C, 2017, 5, 11694-11699.	5.5	25
82	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. Advanced Electronic Materials, 2017, 3, 1700321.	5.1	32
83	Manipulating magnetoelectric properties by interfacial coupling in La <sub>0.3</sub> Sr <sub>0.7</sub> MnO <sub>3</sub> /Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> superlattices. Scientific Reports, 2017, 7, 7693.	3.3	11
84	Polar instability under electrostatic doping in tetragonal $\text{O}_{3-\delta}\text{SnTi}$ . Physical Review B, 2017, 96, .	3.2	14
85	Atomic-resolution imaging of electrically induced oxygen vacancy migration and phase transformation in SrCoO <sub>2.5</sub> . Nature Communications, 2017, 8, 104.	12.8	66
86	Launching Phonon Polaritons by Natural Boron Nitride Wrinkles with Modifiable Dispersion by Dielectric Environments. Advanced Materials, 2017, 29, 1702494.	21.0	53
87	Coexistence of polar distortion and metallicity in $\text{PbTiO}_3$ . Physical Review B, 2017, 96, .	3.2	34
88	Oxygen vacancies effects on phase diagram of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> thin films. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	8
89	Direct evidence of correlation between the second harmonic generation anisotropy patterns and the polarization orientation of perovskite ferroelectric. Scientific Reports, 2017, 7, 9051.	3.3	13
90	Effect of Terraces at the Interface on the Structural and Physical Properties of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Thin Films. Chinese Physics Letters, 2016, 33, 076801.	3.3	3

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91	The Origin of Oxygen Vacancies Controlling $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3$ Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500753.	3.7	73
92	Evolution of structural distortion in $\text{BiFeO}_3$ thin films probed by second-harmonic generation. <i>Scientific Reports</i> , 2016, 6, 38268.	3.3	29
93	Toward Switchable Photovoltaic Effect via Tailoring Mobile Oxygen Vacancies in Perovskite Oxide Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34590-34597.	8.0	32
94	Evaluation of simulated reservoirs by using the oblique-incidence reflectivity difference technique. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	5.1	4
95	Dynamics of surface screening charges on domains of $\text{BiFeO}_3$ films. <i>AIP Advances</i> , 2016, 6, 015220.	1.3	3
96	Real-time detection of dielectric anisotropy or isotropy in unconventional oil-gas reservoir rocks supported by the oblique-incidence reflectivity difference technique. <i>Scientific Reports</i> , 2016, 6, 39306.	3.3	16
97	Insulating phase at low temperature in ultrathin $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ films. <i>Scientific Reports</i> , 2016, 6, 22382.	3.3	35
98	Charge Neutral Fermionic States and Current Oscillation in a Graphene-Superconductor Hybrid Structure. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 104713.	1.6	1
99	Persistence of polar distortion with electron doping in lone-pair driven ferroelectrics. <i>Physical Review B</i> , 2016, 94, .	3.2	50
100	Photoinduced magnetoresistance and magnetic-field-modulated photoelectric response in $\text{BiFeO}_3/\text{Si}$ heterojunctions. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	3
101	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9769-9776.	8.0	103
102	Deterministic Role of Concentration Surplus of Cation Vacancy over Anion Vacancy in Bipolar Memristive $\text{NiO}$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11583-11591.	8.0	26
103	Controllable growth of ultrathin $\text{BiFeO}_3$ from finger-like nanostripes to atomically flat films. <i>Nanotechnology</i> , 2016, 27, 355604.	2.6	7
104	Superconducting Resonators Based on $\text{TiN}/\text{Tapering}/\text{NbN}/\text{Tapering}/\text{TiN}$ Heterostructures. <i>Advanced Engineering Materials</i> , 2016, 18, 1816-1822.	3.5	4
105	Site magnetic ions in the ferrimagnet $\text{CaC}_3$		44
106	Evolution of the electronic and lattice structure with carrier injection in $\text{BiFeO}_3$ . <i>Physical Review B</i> , 2016, 93, .	3.2	13
107	Engineering charge ordering into multiferroicity. <i>Physical Review B</i> , 2016, 93, .	3.2	8
108	Gain enhanced Fano resonance in a coupled photonic crystal cavity-waveguide structure. <i>Scientific Reports</i> , 2016, 6, 33645.	3.3	15

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109	Observation of coupling between zero- and two-dimensional semiconductor systems based on anomalous diamagnetic effects. Nano Research, 2016, 9, 306-316.	10.4	17
110	Vertical Interface Induced Dielectric Relaxation in Nanocomposite (BaTiO <sub>3</sub> ) <sub>1-x</sub> (Sm <sub>2</sub> O <sub>3</sub> ) <sub>x</sub> Thin Films. Scientific Reports, 2015, 5, 11335.	3.3	21
111	Longitudinal wave function control in single quantum dots with an applied magnetic field. Scientific Reports, 2015, 5, 8041.	3.3	15
112	Metal-Insulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquid-Gated Manganite Films. Advanced Materials Interfaces, 2015, 2, 1500407.	3.7	68
113	Interfacial-Strain-Induced Structural and Polarization Evolutions in Epitaxial Multiferroic BiFeO <sub>3</sub> (001) Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 2944-2951.	8.0	32
114	Transparent conductive reduced graphene oxide thin films produced by spray coating. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-5.	5.1	27
115	Light-Induced Resistance Effect Observed in Nano Au Films Covered Two-Dimensional Colloidal Crystals. ACS Applied Materials & Interfaces, 2015, 7, 19536-19540.	8.0	10
116	Surface double-layer structure in (110) oriented BiFeO <sub>3</sub> thin film. Applied Physics Letters, 2014, 105, 202901.	3.3	9
117	Magnetoelectric transport and quantum interference effect in ultrathin manganite films. Applied Physics Letters, 2014, 104, .	3.3	15
118	Parallel detection and quantitative analysis of specific binding of proteins by oblique-incidence reflectivity difference technique in label-free format. Science China: Physics, Mechanics and Astronomy, 2014, 57, 2039-2042.	5.1	4
119	Label-free high-throughput and real-time detections of protein interactions by oblique-incidence reflectivity difference method. Science China: Physics, Mechanics and Astronomy, 2014, 57, 615-618.	5.1	7
120	Room-temperature epitaxial growth of V <sub>2</sub> O <sub>3</sub> films. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1866-1869.	5.1	6
121	A new non-destructive readout by using photo-recovered surface potential contrast. Scientific Reports, 2014, 4, 6980.	3.3	18
122	Graphene, a material for high temperature devices – intrinsic carrier density, carrier drift velocity and lattice energy. Scientific Reports, 2014, 4, 5758.	3.3	66
123	RESISTIVE SWITCHING PHENOMENA IN COMPLEX OXIDE HETEROSTRUCTURES. Modern Physics Letters B, 2013, 27, 1330021.	1.9	6
124	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. Nano-Micro Letters, 2013, 5, 81-87.	27.0	22
125	A study on surface symmetry and interfacial enhancement of SrTiO <sub>3</sub> by second harmonic generation. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2370-2376.	5.1	18
126	Electrical properties of thermoelectric cobalt Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> epitaxial heterostructures. Journal of Applied Physics, 2013, 113, 113707.	2.5	13



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127	MECHANISM STUDY ON OXYGEN VACANCY INDUCED RESISTANCE SWITCHING IN $\text{Au}/\text{LaMnO}_3/\text{SrNb}_{0.01}\text{Ti}_{0.99}\text{O}_6$ . Modern Physics Letters B, 2013, 27, 1350074.		
128	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. Nano-Micro Letters, 2013, 5, 81.	27.0	1
129	Effect of ferroelectric parameters on ferroelectric diodes. Journal of Applied Physics, 2012, 111, 054104.	2.5	17
130	Label-free detection repeatability of protein microarrays by oblique-incidence reflectivity difference method. Science China: Physics, Mechanics and Astronomy, 2012, 55, 2347-2350.	5.1	5
131	Label-free and real-time detection of antigen-antibody interactions by Oblique-incidence Reflectivity Difference (OIRD) method. Science China: Physics, Mechanics and Astronomy, 2012, 55, 1585-1588.	5.1	8
132	Label-free and real-time detection of specific binding of IgG proteins by oblique-incidence reflectivity difference method. Science Bulletin, 2012, 57, 2898-2900.	1.7	4
133	Evidence for a Crucial Role Played by Oxygen Vacancies in $\text{LaMnO}_3$ Resistive Switching Memories. Small, 2012, 8, 1279-1284.	10.0	146
134	Switchable diode effect and ferroelectric resistive switching in epitaxial $\text{BiFeO}_3$ thin films. Applied Physics Letters, 2011, 98, .	3.3	325
135	Unusual resistive switching induced by voltage in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. Applied Physics A: Materials Science and Processing, 2011, 105, 149-152.	2.3	6
136	Structure and characteristics of ultrathin indium tin oxide films. Applied Physics Letters, 2011, 98, .	3.3	59
137	Oxygen vacancy induced magnetism in $\text{BaTiO}_3$ and $\text{Nb}:\text{BaTiO}_3$ thin films. Science China: Physics, Mechanics and Astronomy, 2010, 53, 852-855.	5.1	20
138	Label-free detection of hybridization of oligonucleotides by oblique-incidence reflectivity difference method. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1434-1437.	5.1	15
139	Detection of hybridization of protein microarrays using an oblique-incidence reflectivity difference method. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1230-1233.	5.1	15
140	High-sensitivity photovoltage based on the interfacial photoelectric effect in the $\text{SrTiO}_3/\text{Si}$ heterojunction. Science China: Physics, Mechanics and Astronomy, 2010, 53, 2080-2083.	5.1	7
141	Ultrafast photoelectric effects and high-sensitive photovoltages in perovskite oxides and heterojunctions. Frontiers of Physics in China, 2010, 5, 176-182.	1.0	2
142	Label-free detection of oligonucleotide microarrays by oblique-incidence reflectivity difference method. Journal of Applied Physics, 2010, 107, 063109.	2.5	14
143	Photoelectric effects of ultraviolet fast response and high sensitivity in $\text{LiNbO}_3$ single crystal. Journal of Applied Physics, 2009, 106, 023114.	2.5	19
144	The substrate thickness dependence of the photovoltage in $\text{LaAlO}_3/\text{Si}$ heterostructures. Applied Physics Letters, 2009, 94, 061118.	3.3	7

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145	NOVEL PROPERTIES IN OXIDE HETEROSTRUCTURES. <i>Modern Physics Letters B</i> , 2009, 23, 1129-1145.	1.9	2
146	Novel Multifunctional Properties Induced by Interface Effects in Perovskite Oxide Heterostructures. <i>Advanced Materials</i> , 2009, 21, 4636-4640.	21.0	75
147	High resistance modulation by the electric field based on La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> /Si structure. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2009, 52, 1299-1301.	0.2	1
148	Oxygen pressure dependent electroresistance in La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> thin films grown by laser molecular beam epitaxy. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 232-236.	0.2	3
149	Fabrication of atomically smooth SrRuO <sub>3</sub> thin films by laser molecular beam epitaxy. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 745-749.	0.2	2
150	Effects of interfacial polarization on the dielectric properties of BiFeO <sub>3</sub> thin film capacitors. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	92
151	Photovoltaic effect in micrometer-thick perovskite-type oxide multilayers on Si substrates. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	18
152	Photovoltaic effects and its oxygen content dependence in BaTiO <sub>3</sub> /Si heterojunctions. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	42
153	Electrical-modulated magnetoresistance in multi-p-n heterojunctions of La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> and oxygen-vacant SrTiO <sub>3</sub> on Si substrates. <i>Applied Physics Letters</i> , 2008, 93, 252110.	3.3	20
154	The effect of phase separation on the temperature dependent magnetoresistance in perovskite oxide heterojunction. <i>Applied Physics Letters</i> , 2008, 93, 162106.	3.3	12
155	Resistance switching in BaTiO <sub>3</sub> /Si p-n heterostructure. <i>Applied Physics Letters</i> , 2007, 91, 252110.	3.3	32
156	Movement of oxygen vacancies in oxide film during annealing observed by an optical reflectivity difference technique. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	6
157	Multifunctional characteristics of BaNb <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> /Si p-n junctions. <i>Applied Physics Letters</i> , 2006, 88, 061919.	3.3	26
158	Ultraviolet fast-response photoelectric effect in tilted orientation SrTiO <sub>3</sub> single crystals. <i>Applied Physics Letters</i> , 2006, 89, 173507.	3.3	63
159	Structure and electrical characteristics of Nb-doped SrTiO <sub>3</sub> substrates. <i>Science Bulletin</i> , 2006, 51, 2035-2037.	1.7	11
160	Transient lateral photovoltaic effect in p-n heterojunctions of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> and Si. <i>Applied Physics Letters</i> , 2006, 88, 141914.	3.3	89
161	Peaks separation of the nonlinear refraction and nonlinear absorption induced by external electric field. <i>Applied Physics Letters</i> , 2006, 88, 111911.	3.3	9
162	Positive magnetoresistance in heterostructure composed of two oxides. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 833-836.	6.1	5

#	ARTICLE	IF	CITATIONS
163	Simulation of the temperature-dependent resistivity of $\text{La}_{1-x}\text{Te}_x\text{MnO}_3$ . <i>Physica Status Solidi A</i> , 2005, 202, 2776-2780.	1.7	2
164	Picosecond photoelectric characteristic in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{Si}$ p-n junctions. <i>Applied Physics Letters</i> , 2005, 86, 241915.	3.3	98
165	Ultraviolet photovoltage characteristics of $\text{SrTiO}_3/\text{Si}$ heterojunction. <i>Applied Physics Letters</i> , 2005, 86, 221917.	3.3	52
166	Positive colossal magnetoresistance from interface effect in $\text{p}^+\text{n}$ junction of $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$ and $\text{SrNb}_{0.01}\text{Ti}_{0.99}\text{O}_3$ . <i>Physical Review B</i> , 2005, 71, .	3.2	146
167	Temperature effect on carrier transport characteristics in $\text{SrTiO}_3/\text{Si}$ p-n heterojunction. <i>Applied Physics Letters</i> , 2005, 86, 123502.	3.3	31
168	Structural properties and spin-phonon coupling effect of $\text{La}_{1-x}\text{Te}_x\text{MnO}_3$ thin films. <i>Applied Physics Letters</i> , 2004, 85, 3172-3174.	3.3	18
169	$\text{La}_{0.7}\text{Pr}_{0.3}\text{MnO}_3$ ceramic: An electron-doped colossal magnetoresistive manganite. <i>Applied Physics Letters</i> , 2004, 84, 4741-4743.	3.3	28
170	Terahertz frequency radiation from Bloch oscillations in $\text{GaAs}/\text{Al}_{0.3}\text{Ga}_{0.7}\text{As}$ superlattices. <i>Physical Review B</i> , 2003, 68, .	3.2	15
171	Row structure in metal-induced $\text{Si}(111)$ surface reconstructions. <i>Surface and Interface Analysis</i> , 2001, 32, 166-170.	1.8	1
172	Phonon-induced photoconductive response in doped semiconductors. <i>Physical Review B</i> , 2001, 64, .	3.2	12
173	Molecular and Interfacial Adjustment of Magnetoresistance in Organic Spin Valves Using Isoindigo-Based Polymers. , 0, , 1065-1073.		4