

# Kui-Juan Jin

## List of Publications by Year in descending order

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173  
papers

5,246  
citations

109321

35  
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110387

64  
g-index

178  
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178  
docs citations

178  
times ranked

5716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Switchable diode effect and ferroelectric resistive switching in epitaxial BiFeO <sub>3</sub> thin films. Applied Physics Letters, 2011, 98, .	3.3	325
2	Artificial Synapses Emulated by an Electrolyte-Gated Tungsten-Oxide Transistor. Advanced Materials, 2018, 30, e1801548.	21.0	293
3	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. Science, 2021, 374, 100-104.	12.6	276
4	Low-threshold topological nanolasers based on the second-order corner state. Light: Science and Applications, 2020, 9, 109.	16.6	180
5	Reproducible Ultrathin Ferroelectric Domain Switching for High-Performance Neuromorphic Computing. Advanced Materials, 2020, 32, e1905764.	21.0	147
6	Positive colossal magnetoresistance from interface effect in p <sup>n</sup> junction of La <sub>0.9</sub> Sr <sub>0.1</sub> MnO <sub>3</sub> and SrNb <sub>0.01</sub> Ti <sub>0.99</sub> O <sub>3</sub> . Physical Review B, 2005, 71, .	3.2	146
7	Evidence for a Crucial Role Played by Oxygen Vacancies in LaMnO <sub>3</sub> Resistive Switching Memories. Small, 2012, 8, 1279-1284.	10.0	146
8	A Ferrite Synaptic Transistor with Topotactic Transformation. Advanced Materials, 2019, 31, e1900379.	21.0	134
9	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. ACS Applied Materials & Interfaces, 2016, 8, 9769-9776.	8.0	103
10	Electrolyte-Gated Synaptic Transistor with Oxygen Ions. Advanced Functional Materials, 2019, 29, 1902702.	14.9	103
11	Picosecond photoelectric characteristic in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /Si p-n junctions. Applied Physics Letters, 2005, 86, 241915.	3.3	98
12	Effects of interfacial polarization on the dielectric properties of BiFeO <sub>3</sub> thin film capacitors. Applied Physics Letters, 2008, 92, .	3.3	92
13	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. Applied Physics Letters, 2006, 88, 141914.	3.3	89
14	Photo-induced non-volatile VO <sub>2</sub> phase transition for neuromorphic ultraviolet sensors. Nature Communications, 2022, 13, 1729.	12.8	88
15	Novel Multifunctional Properties Induced by Interface Effects in Perovskite Oxide Heterostructures. Advanced Materials, 2009, 21, 4636-4640.	21.0	75
16	The Origin of Oxygen Vacancies Controlling La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Electronic and Magnetic Properties. Advanced Materials Interfaces, 2016, 3, 1500753.	3.7	73
17	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
18	Graphene, a material for high temperature devices - intrinsic carrier density, carrier drift velocity and lattice energy. Scientific Reports, 2014, 4, 5758.	3.3	66

#	ARTICLE	IF	CITATIONS
19	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
20	Cavity Quantum Electrodynamics with Second-Order Topological Corner State. Laser and Photonics Reviews, 2020, 14, 1900425.	8.7	65
21	Self-driven visible-blind photodetector based on ferroelectric perovskite oxides. Applied Physics Letters, 2017, 110, .	3.3	64
22	Ultraviolet fast-response photoelectric effect in tilted orientation SrTiO <sub>3</sub> single crystals. Applied Physics Letters, 2006, 89, 173507.	3.3	63
23	Structure and characteristics of ultrathin indium tin oxide films. Applied Physics Letters, 2011, 98, .	3.3	59
24	Gating-induced reversible HxVO <sub>2</sub> phase transformations for neuromorphic computing. Nano Energy, 2020, 67, 104268.	16.0	55
25	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. Chemical Science, 2020, 11, 2716-2728.	7.4	55
26	High-Responsivity Photodetection by a Self-Catalyzed Phase-Pure GaAs Nanowire. Small, 2018, 14, e1704429.	10.0	54
27	Launching Phonon Polaritons by Natural Boron Nitride Wrinkles with Modifiable Dispersion by Dielectric Environments. Advanced Materials, 2017, 29, 1702494.	21.0	53
28	Two-Photon Rabi Splitting in a Coupled System of a Nanocavity and Exciton Complexes. Physical Review Letters, 2018, 120, 213901.	7.8	53
29	Ultraviolet photovoltage characteristics of SrTiO <sub>3</sub> /Si heterojunction. Applied Physics Letters, 2005, 86, 221917.	3.3	52
30	Giant Electroresistance in Ferroionic Tunnel Junctions. Science, 2019, 16, 368-377.	4.1	51
31	Persistence of polar distortion with electron doping in lone-pair driven ferroelectrics. Physical Review B, 2016, 94.	3.2	50
32	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu <sub>2</sub> Fe <sub>3</sub> Si <sub>2</sub> As <sub>8</sub> . Applied Physics Letters, 2016, 109, 122401.	3.2	44
33	Photovoltaic effects and its oxygen content dependence in BaTiO <sub>3</sub> /Si heterojunctions. Applied Physics Letters, 2008, 92, .	3.3	42
34	Dual-Gated MoS <sub>2</sub> Transistors for Synaptic and Programmable Logic Functions. Advanced Electronic Materials, 2020, 6, 1901408.	5.1	41
35	Insulating phase at low temperature in ultrathin La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> films. Scientific Reports, 2016, 6, 22382.	3.3	35
36	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

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37	Coexistence of polar distortion and metallicity in $\text{PbTiO}_3$ . Physical Review B, 2017, 96, .	3.2	34
38	Enhanced Strong Interaction between Nanocavities and $\text{p}$ -shell Excitons Beyond the Dipole Approximation. Physical Review Letters, 2019, 122, 087401.	7.8	34
39	Resistance switching in $\text{BaTiO}_3/\text{Si}$ p-n heterostructure. Applied Physics Letters, 2007, 91, 252110.	3.3	32
40	Interfacial-Strain-Induced Structural and Polarization Evolutions in Epitaxial Multiferroic $\text{BiFeO}_3$ (001) Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 2944-2951.	8.0	32
41	Toward Switchable Photovoltaic Effect via Tailoring Mobile Oxygen Vacancies in Perovskite Oxide Films. ACS Applied Materials & Interfaces, 2016, 8, 34590-34597.	8.0	32
42	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. Advanced Electronic Materials, 2017, 3, 1700321.	5.1	32
43	Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit. Science Advances, 2021, 7, .	10.3	32
44	Temperature effect on carrier transport characteristics in $\text{SrTiO}_3/\text{Si}$ p-n heterojunction. Applied Physics Letters, 2005, 86, 123502.	3.3	31
45	Manipulating the Structural and Electronic Properties of Epitaxial $\text{SrCoO}_{2.5}$ Thin Films by Tuning the Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 10211-10219.	8.0	31
46	Synthesis of single-crystal $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ freestanding films with different crystal-orientation. APL Materials, 2020, 8, .	5.1	31
47	Evolution of structural distortion in $\text{BiFeO}_3$ thin films probed by second-harmonic generation. Scientific Reports, 2016, 6, 38268.	3.3	29
48	$\text{La}_{0.7}\text{Pr}_{0.3}\text{MnO}_3$ ceramic: An electron-doped colossal magnetoresistive manganite. Applied Physics Letters, 2004, 84, 4741-4743.	3.3	28
49	Transparent conductive reduced graphene oxide thin films produced by spray coating. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-5.	5.1	27
50	Electronic structure evolutions driven by oxygen vacancy in $\text{SrCoO}_{3-x}$ films. Science China Materials, 2019, 62, 1162-1168.	6.3	27
51	Switchable ferroelectric diode and photovoltaic effects in polycrystalline $\text{BiFeO}_3$ thin films grown on transparent substrates. Thin Solid Films, 2020, 698, 137851.	1.8	27
52	Multifunctional characteristics of $\text{BaNb}_{0.3}\text{Ti}_{0.7}\text{O}_3/\text{Si}$ p-n junctions. Applied Physics Letters, 2006, 88, 061919.	3.3	26
53	Deterministic Role of Concentration Surplus of Cation Vacancy over Anion Vacancy in Bipolar Memristive $\text{NiO}$ . ACS Applied Materials & Interfaces, 2016, 8, 11583-11591.	8.0	26
54	Strain-engineering stabilization of $\text{BaTiO}_3$ -based polar metals. Physical Review B, 2018, 97, .	3.2	26

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55	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
56	Effects of line defects on the electronic and optical properties of strain-engineered WO <sub>3</sub> thin films. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11694-11699.	5.5	25
57	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , 2021, 33, 2005920.	21.0	25
58	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
59	Large-Scale Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> Membranes with Robust Ferroelectricity. <i>Advanced Materials</i> , 2022, 34, e2109889.	21.0	25
60	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
61	Electrolyte-gated transistors for neuromorphic applications. <i>Journal of Semiconductors</i> , 2021, 42, 013103.	3.7	23
62	Emergent multiferroism with magnetodielectric coupling in EuTiO <sub>3</sub> created by a negative pressure control of strong spin-phonon coupling. <i>Nature Communications</i> , 2022, 13, 2364.	12.8	23
63	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. <i>Nano-Micro Letters</i> , 2013, 5, 81-87.	27.0	22
64	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
65	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. <i>Scientific Reports</i> , 2015, 5, 11335.	3.3	21
66	Energy-Efficient Artificial Synapses Based on Oxide Tunnel Junctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43473-43479.	8.0	21
67	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , 2021, 33, e2001324.	21.0	21
68	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
69	Oxygen vacancy induced magnetism in BaTiO <sub>3</sub> and Nb:BaTiO <sub>3</sub> thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 852-855.	5.1	20
70	Diabolical points in coupled active cavities with quantum emitters. <i>Light: Science and Applications</i> , 2020, 9, 6.	16.6	20
71	Photoelectric effects of ultraviolet fast response and high sensitivity in LiNbO <sub>3</sub> single crystal. <i>Journal of Applied Physics</i> , 2009, 106, 023114.	2.5	19
72	Structural properties and spin-phonon coupling effect of La <sub>1-x</sub> TexMnO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 2004, 85, 3172-3174.	3.3	18

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73	Photovoltaic effect in micrometer-thick perovskite-type oxide multilayers on Si substrates. Applied Physics Letters, 2008, 93, .	3.3	18
74	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
75	A new non-destructive readout by using photo-recovered surface potential contrast. Scientific Reports, 2014, 4, 6980.	3.3	18
76	Effect of ferroelectric parameters on ferroelectric diodes. Journal of Applied Physics, 2012, 111, 054104.	2.5	17
77	Observation of coupling between zero- and two-dimensional semiconductor systems based on anomalous diamagnetic effects. Nano Research, 2016, 9, 306-316.	10.4	17
78	Flexible VO <sub>2</sub> Films for In-sensor Computing with Ultraviolet Light. Advanced Functional Materials, 2022, 32, .	14.9	17
79	Real-time detection of dielectric anisotropy or isotropy in unconventional oil-gas reservoir rocks supported by the oblique-incidence reflectivity difference technique. Scientific Reports, 2016, 6, 39306.	3.3	16
80	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. Applied Physics Letters, 2018, 112, .	3.3	16
81	Temperature-dependent phase transition in barium titanate crystals probed by second harmonic generation. Applied Physics Letters, 2018, 112, .	3.3	16
82	Terahertz frequency radiation from Bloch oscillations in GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As superlattices. Physical Review B, 2003, 68, .	3.2	15
83	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
84	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
85	Magnetolectric transport and quantum interference effect in ultrathin manganite films. Applied Physics Letters, 2014, 104, .	3.3	15
86	Longitudinal wave function control in single quantum dots with an applied magnetic field. Scientific Reports, 2015, 5, 8041.	3.3	15
87	Gain enhanced Fano resonance in a coupled photonic crystal cavity-waveguide structure. Scientific Reports, 2016, 6, 33645.	3.3	15
88	Manipulating the Ferroelectric Domain States and Structural Distortion in Epitaxial BiFeO <sub>3</sub> Ultrathin Films via Bi Nonstoichiometry. ACS Applied Materials & Interfaces, 2018, 10, 43792-43801.	8.0	15
89	Tunable electronic structure and magnetic anisotropy in bilayer ferromagnetic semiconductor Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> . Scientific Reports, 2021, 11, 2744.	3.3	15
90	Label-free detection of oligonucleotide microarrays by oblique-incidence reflectivity difference method. Journal of Applied Physics, 2010, 107, 063109.	2.5	14

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91	Polar instability under electrostatic doping in tetragonal $\text{SnTiO}_3$ . Physical Review B, 2017, 96, .	3.2	14
92	Switching Magnetic Anisotropy of $\text{SrRuO}_3$ by Capping-Layer-Induced Octahedral Distortion. Physical Review Applied, 2020, 13, .	3.8	14
93	Dimensional Control of Octahedral Tilt in $\text{SrRuO}_3$ via Infinite-Layered Oxides. Nano Letters, 2021, 21, 3146-3154.	9.1	14
94	Electrical properties of thermoelectric cobalt $\text{Ca}_3\text{Co}_4\text{O}_9$ epitaxial heterostructures. Journal of Applied Physics, 2013, 113, 113707.	2.5	13
95	Evolution of the electronic and lattice structure with carrier injection in $\text{BiFeO}_3$ . Physical Review B, 2016, 93, .	3.2	13
96	Relaxor-like behaviors in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{Cu}_3\text{Ti}_4\text{O}_{12}$ ceramics. Journal of the American Ceramic Society, 2017, 100, 2016-2023.	3.8	13
97	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
98	Multiferroic $\text{PbNb}_{0.12}\text{Ti}_{0.88}\text{O}_{3-\delta}$ Films on Nb-Doped STO. ACS Applied Electronic Materials, 2019, 1, 2109-2115.	4.3	13
99	Maximization of ferromagnetism in $\text{LaCoO}_3$ films by competing symmetry. Physical Review Materials, 2019, 3, .	2.4	13
100	Phonon-induced photoconductive response in doped semiconductors. Physical Review B, 2001, 64, .	3.2	12
101	The effect of phase separation on the temperature dependent magnetoresistance in perovskite oxide heterojunction. Applied Physics Letters, 2008, 93, 162106.	3.3	12
102	Magnetoresistance and Spin Interface of Organic Spin Valves Based on Diketopyrrolopyrrole Polymers. Advanced Electronic Materials, 2019, 5, 1900318.	5.1	12
103	Internal Electric Field and Polarization Backswitching Induced by Nb Doping in $\text{BiFeO}_3$ Thin Films. ACS Applied Electronic Materials, 2019, 1, 2701-2707.	4.3	12
104	Structural twinning-induced insulating phase in $\text{CrN}$ (111) films. Physical Review Materials, 2021, 5, .	2.4	12
105	Structure and electrical characteristics of Nb-doped $\text{SrTiO}_3$ substrates. Science Bulletin, 2006, 51, 2035-2037.	1.7	11
106	Effects of $\text{BaTiO}_3$ and $\text{SrTiO}_3$ as the buffer layers of epitaxial $\text{BiFeO}_3$ thin films. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	11
107	Manipulating magnetoelectric properties by interfacial coupling in $\text{La}_{0.3}\text{Sr}_{0.7}\text{MnO}_3/\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ superlattices. Scientific Reports, 2017, 7, 7693.	3.3	11
108	Ferroelectric Proximity Effect and Topological Hall Effect in $\text{SrRuO}_3/\text{BiFeO}_3$ Multilayers. ACS Applied Materials & Interfaces, 2022, 14, 6194-6202.	8.0	11

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109	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. <i>Physical Review Letters</i> , 2022, 128, 017202.	7.8	11
110	Light-Induced Resistance Effect Observed in Nano Au Films Covered Two-Dimensional Colloidal Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19536-19540.	8.0	10
111	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
112	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
113	Surface double-layer structure in (110) oriented BiFeO <sub>3</sub> thin film. <i>Applied Physics Letters</i> , 2014, 105, 202901.	3.3	9
114	The Evidence of Giant Surface Flexoelectric Field in (111) Oriented BiFeO <sub>3</sub> Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5600-5606.	8.0	9
115	High-Q Microcavity Enhanced Optical Properties of CuInS <sub>2</sub> /ZnS Colloidal Quantum Dots toward Non-Photodegradation. <i>ACS Photonics</i> , 2017, 4, 369-377.	6.6	9
116	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. <i>AIP Advances</i> , 2017, 7, .	1.3	9
117	Giant photoinduced lattice distortion in oxygen vacancy ordered SrCoO <sub>3-x</sub> thin films. <i>Physical Review B</i> , 2019, 100, .	3.2	9
118	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
119	Ferroelectric state and polarization switching behaviour of ultrafine BaTiO <sub>3</sub> nanoparticles with large-scale size uniformity. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5267-5276.	5.5	9
120	Dynamics of Anisotropic Oxygen-Ion Migration in Strained Cobaltites. <i>Nano Letters</i> , 2021, 21, 10507-10515.	9.1	9
121	Label-free and real-time detection of antigen-antibody interactions by Oblique-incidence Reflectivity Difference (OIRD) method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 1585-1588.	5.1	8
122	Engineering charge ordering into multiferroicity. <i>Physical Review B</i> , 2016, 93, .	3.2	8
123	Oxygen vacancies effects on phase diagram of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	8
124	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
125	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
126	Chiral Photonic Circuits for Deterministic Spin Transfer. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100009.	8.7	8



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127	Ferromagnetic Enhancement in $\text{LaMnO}_3$ Films with Release and Flexure. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	8
128	Enhanced Valley Polarization in $\text{WS}_2/\text{LaMnO}_3$ Heterostructure. <i>Small</i> , 2022, 18, e2106029.	10.0	8
129	The substrate thickness dependence of the photovoltage in $\text{LaAlO}_3/\text{Si}$ heterostructures. <i>Applied Physics Letters</i> , 2009, 94, 061118.	3.3	7
130	High-sensitivity photovoltage based on the interfacial photoelectric effect in the $\text{SrTiO}_3/\text{Si}$ heterojunction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 2080-2083.	5.1	7
131	Label-free high-throughput and real-time detections of protein interactions by oblique-incidence reflectivity difference method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 615-618.	5.1	7
132	Controllable growth of ultrathin $\text{BiFeO}_3$ from finger-like nanostripes to atomically flat films. <i>Nanotechnology</i> , 2016, 27, 355604.	2.6	7
133	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
134	Negative Magnetoresistance Behavior in Polymer Spin Valves Based on Donor-Acceptor Conjugated Molecules. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000868.	3.7	7
135	Emergent Magnetic Phenomenon with Unconventional Structure in Epitaxial Manganate Thin Films. <i>Advanced Science</i> , 2021, 8, 2100177.	11.2	7
136	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
137	Unusual resistive switching induced by voltage in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 149-152.	2.3	6
138	RESISTIVE SWITCHING PHENOMENA IN COMPLEX OXIDE HETEROSTRUCTURES. <i>Modern Physics Letters B</i> , 2013, 27, 1330021.	1.9	6
139	MECHANISM STUDY ON OXYGEN VACANCY INDUCED RESISTANCE SWITCHING IN $\text{Au}/\text{LaMnO}_3/\text{SrNb}_{0.01}\text{Ti}_{0.99}\text{O}_x$ . <i>Modern Physics Letters B</i> , 2013, 27, 1350074.	1.9	6
140	Room-temperature epitaxial growth of $\text{V}_2\text{O}_3$ films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1866-1869.	5.1	6
141	Terahertz strong-field physics in light-emitting diodes for terahertz detection and imaging. <i>Communications Physics</i> , 2021, 4, .	5.3	6
142	Positive magnetoresistance in heterostructure composed of two oxides. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 833-836.	6.1	5
143	Label-free detection repeatability of protein microarrays by oblique-incidence reflectivity difference method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 2347-2350.	5.1	5
144	Modulation of ultrafast laser-induced magnetization precession in $\text{BiFeO}_3$ -coated $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	5

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145	Biaxial strain engineering of charge ordering and orbital ordering in HoNiO <sub>3</sub> . Physical Review B, 2018, 97, .	3.2	5
146	Effect of mechanical force on domain switching in BiFeO <sub>3</sub> ultrathin films. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	5
147	Surface protonation and oxygen evolution activity of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> thin films. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	5
148	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
149	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
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