

Kui-Juan Jin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

3,420
citations

30
h-index

51
g-index

178
ext. papers

4,319
ext. citations

6.9
avg, IF

5.19
L-index

#	Paper	IF	Citations
164	Enhanced Valley Polarization in WS ₂ /LaMnO ₃ Heterostructure.. <i>Small</i> , 2022 , 18, e2106029	11	1
163	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface.. <i>Physical Review Letters</i> , 2022 , 128, 017202	7.4	3
162	Large-scale Hf Zr O Membranes with Robust Ferroelectricity.. <i>Advanced Materials</i> , 2022 , e2109889	24	2
161	Photo-induced non-volatile VO phase transition for neuromorphic ultraviolet sensors.. <i>Nature Communications</i> , 2022 , 13, 1729	17.4	14
160	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	17.4	3
159	Near-room temperature ferromagnetic insulating state in highly distorted LaCoO ₃ with CoO square pyramids. <i>Nature Communications</i> , 2021 , 12, 1853	17.4	6
158	Dimensional Control of Octahedral Tilt in SrRuO ₃ via Infinite-Layered Oxides. <i>Nano Letters</i> , 2021 , 21, 3146-3154	13.5	4
157	Emergent Magnetic Phenomenon with Unconventional Structure in Epitaxial Manganate Thin Films. <i>Advanced Science</i> , 2021 , 8, 2100177	13.6	3
156	Chiral Photonic Circuits for Deterministic Spin Transfer. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100009	8.3	2
155	Enhancement of Spin-Orbit Torque by Strain Engineering in SrRuO ₃ Films. <i>Advanced Functional Materials</i> , 2021 , 31, 2100380	15.6	5
154	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , 2021 , 33, e2005920	24	8
153	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , 2021 , 33, e2001324	24	9
152	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). <i>Advanced Materials</i> , 2021 , 33, 2170026	24	
151	Electrolyte-gated transistors for neuromorphic applications. <i>Journal of Semiconductors</i> , 2021 , 42, 013103	10.3	8
150	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	7.1	0
149	Tunable electronic structure and magnetic anisotropy in bilayer ferromagnetic semiconductor CrGeTe ₃ . <i>Scientific Reports</i> , 2021 , 11, 2744	4.9	5
148	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , 2021 , 5,	3.2	6

147	Ultrahigh energy storage in superparaelectric relaxor ferroelectrics. <i>Science</i> , 2021 , 374, 100-104	33.3	49
146	Terahertz strong-field physics in light-emitting diodes for terahertz detection and imaging. <i>Communications Physics</i> , 2021 , 4,	5.4	3
145	Improper molecular ferroelectrics with simultaneous ultrahigh pyroelectricity and figures of merit. <i>Science Advances</i> , 2021 , 7,	14.3	13
144	Ferromagnetic Enhancement in LaMnO ₃ Films with Release and Flexure (Adv. Mater. Interfaces 24/2021). <i>Advanced Materials Interfaces</i> , 2021 , 8, 2170142	4.6	
143	Synthesis of single-crystal La _{0.67} Sr _{0.33} MnO ₃ freestanding films with different crystal-orientation. <i>APL Materials</i> , 2020 , 8, 051105	5.7	11
142	Surface protonation and oxygen evolution activity of epitaxial La _{1-x} Sr _x CoO ₃ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	2
141	Cavity Quantum Electrodynamics with Second-Order Topological Corner State. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900425	8.3	31
140	Switching Magnetic Anisotropy of SrRuO ₃ by Capping-Layer-Induced Octahedral Distortion. <i>Physical Review Applied</i> , 2020 , 13,	4.3	9
139	Dual-Gated MoS ₂ Transistors for Synaptic and Programmable Logic Functions. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901408	6.4	19
138	Low-threshold topological nanolasers based on the second-order corner state. <i>Light: Science and Applications</i> , 2020 , 9, 109	16.7	69
137	Switchable ferroelectric diode and photovoltaic effects in polycrystalline BiFeO ₃ thin films grown on transparent substrates. <i>Thin Solid Films</i> , 2020 , 698, 137851	2.2	13
136	Diabolical points in coupled active cavities with quantum emitters. <i>Light: Science and Applications</i> , 2020 , 9, 6	16.7	10
135	Facile reductive synthesis of both nitrogen deficient and protonated g-CN nanosheets for the synergistic enhancement of visible-light H ₂ evolution. <i>Chemical Science</i> , 2020 , 11, 2716-2728	9.4	29
134	Gating-induced reversible HxVO ₂ phase transformations for neuromorphic computing. <i>Nano Energy</i> , 2020 , 67, 104268	17.1	29
133	Hot Polarons with Trapped Excitons and Octahedra-Twist Phonons in CH ₃ NH ₃ PbBr ₃ Hybrid Perovskite Nanowires. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900267	8.3	4
132	Reproducible Ultrathin Ferroelectric Domain Switching for High-Performance Neuromorphic Computing. <i>Advanced Materials</i> , 2020 , 32, e1905764	24	71
131	Negative Magnetoresistance Behavior in Polymer Spin Valves Based on Donor-Acceptor Conjugated Molecules. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000868	4.6	3
130	Metal Silicidation in Conjunction with Dopant Segregation: A Promising Strategy for Fabricating High-Performance Silicon-Based Photoanodes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39092-39097	8.5	2

129	Effect of mechanical force on domain switching in BiFeO ₃ ultrathin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020 , 63, 1	3.6	2
128	Multiferroic Metal _{1-x} Nb _{0.12} Ti _{0.88} O ₃ Films on Nb-Doped STO. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2109-2115	4	9
127	Magnetoresistance in Metallic Ferroelectrics. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1225-1232	4	2
126	Giant Electroresistance in Ferroionic Tunnel Junctions. <i>IScience</i> , 2019 , 16, 368-377	6.1	24
125	Electrolyte-Gated Synaptic Transistor with Oxygen Ions. <i>Advanced Functional Materials</i> , 2019 , 29, 1902702	5.6	55
124	Approaching the Intrinsic Lifetime and Modulating a Graphene Plasmonic Resonance at a Few Hundred GHz. <i>Advanced Optical Materials</i> , 2019 , 7, 1900315	8.1	5
123	Electronic structure evolutions driven by oxygen vacancy in SrCoO _{3-x} films. <i>Science China Materials</i> , 2019 , 62, 1162-1168	7.1	15
122	A Ferrite Synaptic Transistor with Topotactic Transformation. <i>Advanced Materials</i> , 2019 , 31, e1900379	24	85
121	Temperature-dependent evolution of surface charge screening and polarization at ferroelectric surfaces. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	6
120	Magnetoresistance and Spininterface of Organic Spin Valves Based on Diketopyrrolopyrrole Polymers. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900318	6.4	8
119	Tuning Charge Carrier and Spin Transport Properties via Structural Modification of Polymer Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30089-30097	9.5	13
118	Giant photoinduced lattice distortion in oxygen vacancy ordered SrCoO _{2.5} thin films. <i>Physical Review B</i> , 2019 , 100,	3.3	2
117	Energy-Efficient Artificial Synapses Based on Oxide Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43473-43479	9.5	9
116	Maximization of ferromagnetism in LaCoO ₃ films by competing symmetry. <i>Physical Review Materials</i> , 2019 , 3,	3.2	8
115	Enhanced Strong Interaction between Nanocavities and p-shell Excitons Beyond the Dipole Approximation. <i>Physical Review Letters</i> , 2019 , 122, 087401	7.4	21
114	Internal Electric Field and Polarization Backswitching Induced by Nb Doping in BiFeO ₃ Thin Films. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 2701-2707	4	4
113	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10211-10219	9.5	16
112	Strain-engineering stabilization of BaTiO ₃ -based polar metals. <i>Physical Review B</i> , 2018 , 97,	3.3	19

111	High-Responsivity Photodetection by a Self-Catalyzed Phase-Pure p-GaAs Nanowire. <i>Small</i> , 2018 , 14, e1704429	11	38
110	Oxygen-vacancy-mediated dielectric property in perovskite Eu _{0.5} Ba _{0.5} TiO ₃ -epitaxial thin films. <i>Applied Physics Letters</i> , 2018 , 112, 182906	3-4	12
109	Temperature-dependent phase transition in barium titanate crystals probed by second harmonic generation. <i>Applied Physics Letters</i> , 2018 , 112, 102904	3-4	8
108	Manipulating the Ferroelectric Domain States and Structural Distortion in Epitaxial BiFeO Ultrathin Films via Bi Nonstoichiometry. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43792-43801	9-5	6
107	Design strategy for ferroelectric-based polar metals with dimensionality-tunable electronic states. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018 , 61, 1	3-6	6
106	Biaxial strain engineering of charge ordering and orbital ordering in HoNiO ₃ . <i>Physical Review B</i> , 2018 , 97,	3-3	3
105	Two-Photon Rabi Splitting in a Coupled System of a Nanocavity and Exciton Complexes. <i>Physical Review Letters</i> , 2018 , 120, 213901	7-4	32
104	Artificial Synapses Emulated by an Electrolyte-Gated Tungsten-Oxide Transistor. <i>Advanced Materials</i> , 2018 , 30, e1801548	24	186
103	The Evidence of Giant Surface Flexoelectric Field in (111) Oriented BiFeO Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5600-5606	9-5	8
102	High-Q Microcavity Enhanced Optical Properties of CuInS ₂ /ZnS Colloidal Quantum Dots toward Non-Photodegradation. <i>ACS Photonics</i> , 2017 , 4, 369-377	6-3	7
101	Modulation of ultrafast laser-induced magnetization precession in BiFeO ₃ -coated La _{0.67} Sr _{0.33} MnO ₃ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3-6	1
100	Relaxor-like behaviors in Na _{1/2} Bi _{1/2} Cu ₃ Ti ₄ O ₁₂ ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2016-2023	3-8	8
99	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. <i>Applied Physics Letters</i> , 2017 , 110, 043504	3-4	27
98	Solar-blind ultraviolet photodetector based on (LaAlO ₃) _{0.3} -(SrAl _{0.5} Ta _{0.5} O ₃) _{0.7} single crystal. <i>AIP Advances</i> , 2017 , 7, 035302	1-5	7
97	Effects of BaTiO ₃ and SrTiO ₃ as the buffer layers of epitaxial BiFeO ₃ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3-6	7
96	Self-driven visible-blind photodetector based on ferroelectric perovskite oxides. <i>Applied Physics Letters</i> , 2017 , 110, 142901	3-4	44
95	Effects of line defects on the electronic and optical properties of strain-engineered WO ₃ thin films. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11694-11699	7-1	16
94	Direct evidence of correlation between the second harmonic generation anisotropy patterns and the polarization orientation of perovskite ferroelectric. <i>Scientific Reports</i> , 2017 , 7, 9051	4-9	6

93	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700321	6.4	15
92	Manipulating magnetoelectric properties by interfacial coupling in LaSrMnO/BaSrTiO superlattices. <i>Scientific Reports</i> , 2017 , 7, 7693	4.9	10
91	Polar instability under electrostatic doping in tetragonal SnTiO ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	13
90	Atomic-resolution imaging of electrically induced oxygen vacancy migration and phase transformation in SrCoO. <i>Nature Communications</i> , 2017 , 8, 104	17.4	46
89	Launching Phonon Polaritons by Natural Boron Nitride Wrinkles with Modifiable Dispersion by Dielectric Environments. <i>Advanced Materials</i> , 2017 , 29, 1702494	24	37
88	Coexistence of polar distortion and metallicity in PbTi _{1-x} NbxO ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	21
87	Oxygen vacancies effects on phase diagram of epitaxial La _{1-x} Sr _x MnO ₃ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017 , 60, 1	3.6	6
86	Superconducting Resonators Based on TiN/Tapering/NbN/Tapering/TiN Heterostructures . <i>Advanced Engineering Materials</i> , 2016 , 18, 1816-1822	3.5	4
85	Strong enhancement of spin ordering by A-site magnetic ions in the ferrimagnet CaCu ₃ Fe ₂ O ₈ . <i>Physical Review B</i> , 2016 , 94,	3.3	33
84	Evolution of the electronic and lattice structure with carrier injection in BiFeO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	11
83	Engineering charge ordering into multiferroicity. <i>Physical Review B</i> , 2016 , 93,	3.3	6
82	Gain enhanced Fano resonance in a coupled photonic crystal cavity-waveguide structure. <i>Scientific Reports</i> , 2016 , 6, 33645	4.9	14
81	Observation of coupling between zero- and two-dimensional semiconductor systems based on anomalous diamagnetic effects. <i>Nano Research</i> , 2016 , 9, 306-316	10	15
80	Effect of Terraces at the Interface on the Structural and Physical Properties of La _{0.8} Sr _{0.2} MnO ₃ Thin Films. <i>Chinese Physics Letters</i> , 2016 , 33, 076801	1.8	3
79	The Origin of Oxygen Vacancies Controlling La _{2/3} Sr _{1/3} MnO ₃ Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500753	4.6	58
78	Evolution of structural distortion in BiFeO thin films probed by second-harmonic generation. <i>Scientific Reports</i> , 2016 , 6, 38268	4.9	19
77	Toward Switchable Photovoltaic Effect via Tailoring Mobile Oxygen Vacancies in Perovskite Oxide Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34590-34597	9.5	26
76	Evaluation of simulated reservoirs by using the oblique-incidence reflectivity difference technique. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016 , 59, 1	3.6	4

75	Dynamics of surface screening charges on domains of BiFeO ₃ films. <i>AIP Advances</i> , 2016 , 6, 015220	1.5	3
74	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	4.9	11
73	Insulating phase at low temperature in ultrathin La _{0.8} Sr _{0.2} MnO ₃ films. <i>Scientific Reports</i> , 2016 , 6, 223824.9		27
72	Charge Neutral Fermionic States and Current Oscillation in a GrapheneSuperconductor Hybrid Structure. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 104713	1.5	1
71	Persistence of polar distortion with electron doping in lone-pair driven ferroelectrics. <i>Physical Review B</i> , 2016 , 94,	3.3	38
70	Photoinduced magnetoresistance and magnetic-field-modulated photoelectric response in BiFeO ₃ /Si heterojunctions. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	1
69	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9769-76	9.5	81
68	Deterministic Role of Concentration Surplus of Cation Vacancy over Anion Vacancy in Bipolar Memristive NiO. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11583-91	9.5	18
67	Controllable growth of ultrathin BiFeO ₃ from finger-like nanostripes to atomically flat films. <i>Nanotechnology</i> , 2016 , 27, 355604	3.4	5
66	Light-Induced Resistance Effect Observed in Nano Au Films Covered Two-Dimensional Colloidal Crystals. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19536-40	9.5	10
65	Vertical Interface Induced Dielectric Relaxation in Nanocomposite (BaTiO ₃) _{1-x} :(Sm ₂ O ₃) _x Thin Films. <i>Scientific Reports</i> , 2015 , 5, 11335	4.9	20
64	Longitudinal wave function control in single quantum dots with an applied magnetic field. <i>Scientific Reports</i> , 2015 , 5, 8041	4.9	13
63	MetalInsulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquid-Gated Manganite Films. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500407	4.6	60
62	Interfacial-strain-induced structural and polarization evolutions in epitaxial multiferroic BiFeO ₃ (001) thin films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2944-51	9.5	29
61	Transparent conductive reduced graphene oxide thin films produced by spray coating. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1-5	3.6	20
60	Graphene, a material for high temperature devices--intrinsic carrier density, carrier drift velocity, and lattice energy. <i>Scientific Reports</i> , 2014 , 4, 5758	4.9	48
59	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	3.6	6
58	Room-temperature epitaxial growth of V ₂ O ₃ films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014 , 57, 1866-1869	3.6	5

57	A new non-destructive readout by using photo-recovered surface potential contrast. <i>Scientific Reports</i> , 2014 , 4, 6980	4.9	17
56	Surface double-layer structure in (110) oriented BiFeO ₃ thin film. <i>Applied Physics Letters</i> , 2014 , 105, 202901	3.4	7
55	Magnetoelectric transport and quantum interference effect in ultrathin manganite films. <i>Applied Physics Letters</i> , 2014 , 104, 162405	3.4	15
54	Parallel detection and quantitative analysis of specific binding of proteins by oblique-incidence reflectivity difference technique in label-free format. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014 , 57, 2039-2042	3.6	2
53	RESISTIVE SWITCHING PHENOMENA IN COMPLEX OXIDE HETEROSTRUCTURES. <i>Modern Physics Letters B</i> , 2013 , 27, 1330021	1.6	4
52	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect. <i>Nano-Micro Letters</i> , 2013 , 5, 81-87	19.5	16
51	A study on surface symmetry and interfacial enhancement of SrTiO ₃ by second harmonic generation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 2370-2376	3.6	15
50	Electrical properties of thermoelectric cobalt Ca ₃ Co ₄ O ₉ epitaxial heterostructures. <i>Journal of Applied Physics</i> , 2013 , 113, 113707	2.5	12
49	MECHANISM STUDY ON OXYGEN VACANCY INDUCED RESISTANCE SWITCHING IN Au/LaMnO ₃ /SrNb _{0.01} Ti _{0.99} O ₃ . <i>Modern Physics Letters B</i> , 2013 , 27, 1350074	1.6	5
48	Recent Progress in Ferroelectric Diodes: Explorations in Switchable Diode Effect 2013 , 5, 81		1
47	Effect of ferroelectric parameters on ferroelectric diodes. <i>Journal of Applied Physics</i> , 2012 , 111, 054104	2.5	17
46	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	3.6	3
45	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	3.6	7
44	Label-free and real-time detection of specific binding of IgG proteins by oblique-incidence reflectivity difference method. <i>Science Bulletin</i> , 2012 , 57, 2898-2900		4
43	Evidence for a crucial role played by oxygen vacancies in LaMnO ₃ resistive switching memories. <i>Small</i> , 2012 , 8, 1279-84	11	119
42	Switchable diode effect and ferroelectric resistive switching in epitaxial BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2011 , 98, 192901	3.4	286
41	Unusual resistive switching induced by voltage in La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 105, 149-152	2.6	6
40	Structure and characteristics of ultrathin indium tin oxide films. <i>Applied Physics Letters</i> , 2011 , 98, 011905	3.4	52

39	Label-free detection of oligonucleotide microarrays by oblique-incidence reflectivity difference method. <i>Journal of Applied Physics</i> , 2010 , 107, 063109	2.5	11
38	Oxygen vacancy induced magnetism in BaTiO ₃ and Nb:BaTiO ₃ thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 852-855	3.6	16
37	Label-free detection of hybridization of oligonucleotides by oblique-incidence reflectivity difference method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 1434-1437	3.6	13
36	Detection of hybridization of protein microarrays using an oblique-incidence reflectivity difference method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 1230-1233	3.6	13
35	High-sensitivity photovoltage based on the interfacial photoelectric effect in the SrTiO ₃ /Si heterojunction. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 2080-2083	3.6	7
34	Ultrafast photoelectric effects and high-sensitive photovoltages in perovskite oxides and heterojunctions. <i>Frontiers of Physics in China</i> , 2010 , 5, 176-182		2
33	Photoelectric effects of ultraviolet fast response and high sensitivity in LiNbO ₃ single crystal. <i>Journal of Applied Physics</i> , 2009 , 106, 023114	2.5	19
32	The substrate thickness dependence of the photovoltage in LaAlO ₃ /Si heterostructures. <i>Applied Physics Letters</i> , 2009 , 94, 061118	3.4	7
31	NOVEL PROPERTIES IN OXIDE HETEROSTRUCTURES. <i>Modern Physics Letters B</i> , 2009 , 23, 1129-1145	1.6	2
30	High resistance modulation by the electric field based on La _{0.9} Sr _{0.1} MnO ₃ /SrTiO ₃ /Si structure 2009 , 52, 1299-1301		1
29	Effects of interfacial polarization on the dielectric properties of BiFeO ₃ thin film capacitors. <i>Applied Physics Letters</i> , 2008 , 92, 122903	3.4	81
28	Photovoltaic effect in micrometer-thick perovskite-type oxide multilayers on Si substrates. <i>Applied Physics Letters</i> , 2008 , 93, 171911	3.4	17
27	Photovoltaic effects and its oxygen content dependence in BaTiO ₃ /Bi heterojunctions. <i>Applied Physics Letters</i> , 2008 , 92, 071113	3.4	36
26	Electrical-modulated magnetoresistance in multi-p-n heterojunctions of La _{0.9} Sr _{0.1} MnO ₃ and oxygen-vacant SrTiO ₃ on Si substrates. <i>Applied Physics Letters</i> , 2008 , 93, 252110	3.4	19
25	The effect of phase separation on the temperature dependent magnetoresistance in perovskite oxide heterojunction. <i>Applied Physics Letters</i> , 2008 , 93, 162106	3.4	9
24	Oxygen pressure dependent electroresistance in La _{0.9} Sr _{0.1} MnO ₃ thin films grown by laser molecular beam epitaxy 2008 , 51, 232-236		3
23	Fabrication of atomically smooth SrRuO ₃ thin films by laser molecular beam epitaxy 2008 , 51, 745-749		2
22	Resistance switching in BaTiO ₃ /Bi p-n heterostructure. <i>Applied Physics Letters</i> , 2007 , 91, 252110	3.4	30

21	Movement of oxygen vacancies in oxide film during annealing observed by an optical reflectivity difference technique. <i>Journal of Applied Physics</i> , 2007 , 102, 053107	2.5	6
20	Structure and electrical characteristics of Nb-doped SrTiO ₃ substrates. <i>Science Bulletin</i> , 2006 , 51, 2035-2037		9
19	Transient lateral photovoltaic effect in p-n heterojunctions of La _{0.7} Sr _{0.3} MnO ₃ and Si. <i>Applied Physics Letters</i> , 2006 , 88, 141914	3.4	85
18	Peaks separation of the nonlinear refraction and nonlinear absorption induced by external electric field. <i>Applied Physics Letters</i> , 2006 , 88, 111911	3.4	7
17	Multifunctional characteristics of BaNb _{0.3} Ti _{0.7} O ₃ Bi p-n junctions. <i>Applied Physics Letters</i> , 2006 , 88, 061919	3.4	23
16	Ultraviolet fast-response photoelectric effect in tilted orientation SrTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2006 , 89, 173507	3.4	59
15	Temperature effect on carrier transport characteristics in SrTiO ₃ /Si p-n heterojunction. <i>Applied Physics Letters</i> , 2005 , 86, 123502	3.4	27
14	Positive magnetoresistance in heterostructure composed of two oxides. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 833-836	7.1	4
13	Simulation of the temperature-dependent resistivity of La _{1-x} TexMnO ₃ . <i>Physica Status Solidi A</i> , 2005 , 202, 2776-2780		2
12	Picosecond photoelectric characteristic in La _{0.7} Sr _{0.3} MnO ₃ Bi p-n junctions. <i>Applied Physics Letters</i> , 2005 , 86, 241915	3.4	91
11	Ultraviolet photovoltage characteristics of SrTiO ₃ Bi heterojunction. <i>Applied Physics Letters</i> , 2005 , 86, 221917	3.4	51
10	Positive colossal magnetoresistance from interface effect in p-n junction of La _{0.9} Sr _{0.1} MnO ₃ and SrNb _{0.01} Ti _{0.99} O ₃ . <i>Physical Review B</i> , 2005 , 71,	3.3	126
9	Structural properties and spin-phonon coupling effect of La _{1-x} TexMnO ₃ thin films. <i>Applied Physics Letters</i> , 2004 , 85, 3172-3174	3.4	18
8	La _{0.7} Pr _{0.3} MnO ₃ ceramic: An electron-doped colossal magnetoresistive manganite. <i>Applied Physics Letters</i> , 2004 , 84, 4741-4743	3.4	24
7	Terahertz frequency radiation from Bloch oscillations in GaAs/Al _{0.3} Ga _{0.7} As superlattices. <i>Physical Review B</i> , 2003 , 68,	3.3	15
6	Row structure in metal-induced Si(111) surface reconstructions. <i>Surface and Interface Analysis</i> , 2001 , 32, 166-170	1.5	1
5	Phonon-induced photoconductive response in doped semiconductors. <i>Physical Review B</i> , 2001 , 64,	3.3	11
4	Exchange Coupling in Synthetic Anion-Engineered Chromia Heterostructures. <i>Advanced Functional Materials</i> , 2109828	15.6	0

- 3 Ferromagnetic Enhancement in LaMnO₃ Films with Release and Flexure. *Advanced Materials Interfaces*, 2101499 4.6 2
- 2 Molecular and Interfacial Adjustment of Magnetoresistance in Organic Spin Valves Using Isoindigo-Based Polymers 1065-1073 0
- 1 Flexible VO₂ Films for In-Sensor Computing with Ultraviolet Light. *Advanced Functional Materials*, 2203074 4.6 2