

# Minu Kim

## List of Publications by Citations

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144  
papers

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149  
ext. papers

8,202  
ext. citations

6.7  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
144	Lanthanum-substituted bismuth titanate for use in non-volatile memories. <i>Nature</i> , <b>1999</b> , 401, 682-684	50.4	1918
143	Direct imaging of the coexistence of ferromagnetism and superconductivity at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Physics</i> , <b>2011</b> , 7, 767-771	16.2	674
142	Giant flexoelectric effect in ferroelectric epitaxial thin films. <i>Physical Review Letters</i> , <b>2011</b> , 107, 057602	7.4	312
141	Random Circuit Breaker Network Model for Unipolar Resistance Switching. <i>Advanced Materials</i> , <b>2008</b> , 20, 1154-1159	24	302
140	Polarity control of carrier injection at ferroelectric/metal interfaces for electrically switchable diode and photovoltaic effects. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	245
139	Resistive switching phenomena: A review of statistical physics approaches. <i>Applied Physics Reviews</i> , <b>2015</b> , 2, 031303	17.3	243
138	Dominant mobility modulation by the electric field effect at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Physical Review Letters</i> , <b>2009</b> , 103, 226802	7.4	225
137	Two-dimensional normal-state quantum oscillations in a superconducting heterostructure. <i>Nature</i> , <b>2009</b> , 462, 487-90	50.4	201
136	Spin-orbit coupling in iridium-based 5d compounds probed by x-ray absorption spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	155
135	Temperature dependence of the electronic structure of the Jeff=12 Mott insulator Sr <sub>2</sub> IrO <sub>4</sub> studied by optical spectroscopy. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	133
134	Effects of heat dissipation on unipolar resistance switching in Pt/NiO/Pt capacitors. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 183507	3.4	128
133	Multiple conducting carriers generated in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 082107	3.4	102
132	Built-in voltages and asymmetric polarization switching in Pb(Zr,Ti)O <sub>3</sub> thin film capacitors. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 3380-3382	3.4	94
131	ac dynamics of ferroelectric domains from an investigation of the frequency dependence of hysteresis loops. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	81
130	Electronic structures of layered perovskite Sr <sub>2</sub> MO <sub>4</sub> (M=Ru, Rh, and Ir). <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	81
129	Thickness-dependent structural phase transition of strained SrRuO <sub>3</sub> ultrathin films: The role of octahedral tilt. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	75
128	Localized electronic states induced by defects and possible origin of ferroelectricity in strontium titanate thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 202906	3.4	74

127	Scaling behaviors of reset voltages and currents in unipolar resistance switching. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 212105	3.4	74
126	Controlled manipulation of oxygen vacancies using nanoscale flexoelectricity. <i>Nature Communications</i> , <b>2017</b> , 8, 615	17.4	70
125	Different fatigue behaviors of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> and Bi <sub>3</sub> TiTaO <sub>9</sub> films: Role of perovskite layers. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2644-2646	3.4	68
124	Topotactic Metal-Insulator Transition in Epitaxial SrFeO Thin Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 16065664	6.4	67
123	Spectral Evolution in (Ca,Sr)RuO <sub>3</sub> near the Mott-Hubbard Transition. <i>Physical Review Letters</i> , <b>1999</b> , 82, 5321-5324	7.4	67
122	In-plane grain boundary effects on the magnetotransport properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1113-1115	3.4	64
121	Imprint failures and asymmetric electrical properties induced by thermal processes in epitaxial Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 4428-4435	2.5	57
120	Domain wall motion in epitaxial Pb(Zr,Ti)O <sub>3</sub> capacitors investigated by modified piezoresponse force microscopy. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 252901	3.4	56
119	Structural and electro-optic properties of pulsed laser deposited Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films on MgO. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 2198-2200	3.4	55
118	Growth and properties of c-axis textured La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> films on SiO <sub>2</sub> /Si substrates with a Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> template layer. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 1763-1765	3.4	50
117	Nanoscale Observation of Time-Dependent Domain Wall Pinning as the Origin of Polarization Fatigue. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2310-2317	15.6	49
116	Structural and electro-optic properties of laser ablated Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films on SrTiO <sub>3</sub> (100) and SrTiO <sub>3</sub> (110). <i>Applied Physics Letters</i> , <b>1992</b> , 61, 1516-1518	3.4	49
115	Enhancing the electron mobility via delta-doping in SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2010</b> , 97, 222115	3.4	47
114	Leakage current behaviors in rapid thermal annealed Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 1525-1527	3.4	47
113	Fermi surface and superconductivity in low-density high-mobility doped SrTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 107, 106801	7.4	44
112	Flexoelectric rectification of charge transport in strain-graded dielectrics. <i>Nano Letters</i> , <b>2012</b> , 12, 6436-401.5	1.5	43
111	Low-temperature growth of epitaxial LiNbO <sub>3</sub> films on sapphire (0001) substrates using pulsed laser deposition. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 43-45	3.4	43
110	Control of epitaxial growth of pulsed laser deposited LiNbO <sub>3</sub> films and their electro-optic effects. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 472-474	3.4	43

109	Dual character of magnetism in EuFe <sub>2</sub> As <sub>2</sub> : Optical spectroscopic and density-functional calculation study. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	40
108	Intrinsic spin-orbit coupling in superconducting doped SrTiO <sub>3</sub> heterostructures. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	40
107	Large 1/f noise of unipolar resistance switching and its percolating nature. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 122112	3-4	39
106	Polarization retention in Pb(Zr <sub>0.4</sub> Ti <sub>0.6</sub> )O <sub>3</sub> capacitors with IrO <sub>2</sub> top electrodes. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3127-3129	3-4	39
105	Interface-modified random circuit breaker network model applicable to both bipolar and unipolar resistance switching. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 033502	3-4	37
104	Continuous Control of Charge Transport in Bi-Deficient BiFeO <sub>3</sub> Films Through Local Ferroelectric Switching. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4962-4968	15.6	36
103	Enhanced flexoelectricity at reduced dimensions revealed by mechanically tunable quantum tunnelling. <i>Nature Communications</i> , <b>2019</b> , 10, 537	17.4	34
102	Electronic structure and insulating gap in epitaxial VO <sub>2</sub> polymorphs. <i>APL Materials</i> , <b>2015</b> , 3, 126109	5-7	33
101	Temperature evolution of itinerant ferromagnetism in SrRuO <sub>3</sub> probed by optical spectroscopy. <i>Physical Review Letters</i> , <b>2013</b> , 110, 247202	7-4	33
100	Scaling Behavior of Spectral Weight Changes in Perovskite Manganites La <sub>0.7</sub> PryCa <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1998</b> , 81, 4983-4986	7-4	33
99	Latent instabilities in metallic LaNiO <sub>3</sub> films by strain control of Fermi-surface topology. <i>Scientific Reports</i> , <b>2015</b> , 5, 8746	4-9	32
98	Quantum longitudinal and Hall transport at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface at low electron densities. <i>Solid State Communications</i> , <b>2014</b> , 197, 25-29	1.6	32
97	Role of Transition Metal in Fast Oxidation Reaction on the Pt <sub>3</sub> TM (111) (TM = Ni, Co) Surfaces. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 1257-1261	21.8	32
96	Coexistence of two-dimensional and three-dimensional Shubnikov-de Haas oscillations in Ar <sup>+</sup> -irradiated KTaO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	32
95	Common origin of the circular-dichroism pattern in angle-resolved photoemission spectroscopy of SrTiO <sub>3</sub> and Cu(x)Bi <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2011</b> , 107, 077601	7-4	31
94	Conversion from unipolar to bipolar resistance switching by inserting Ta <sub>2</sub> O <sub>5</sub> layer in Pt/TaO <sub>x</sub> /Pt cells. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 183507	3-4	31
93	Scanning SQUID susceptometry of a paramagnetic superconductor. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	30
92	Dimensional crossover of polaron dynamics in Nb:SrTiO <sub>3</sub> /SrTiO <sub>3</sub> superlattices: Possible mechanism of thermopower enhancement. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	29

91	Multilevel unipolar resistance switching in TiO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 093508	3-4	29
90	Single-valley quantum Hall ferromagnet in a dilute Mg <sub>x</sub> Zn <sub>1-x</sub> O/ZnO strongly correlated two-dimensional electron system. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	29
89	Electric-field-controlled directional motion of ferroelectric domain walls in multiferroic BiFeO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 262902	3-4	27
88	Implementing Room-Temperature Multiferroism by Exploiting Hexagonal-Orthorhombic Morphotropic Phase Coexistence in LuFeO <sub>3</sub> Thin Films. <i>Advanced Materials</i> , <b>2016</b> , 28, 7430-5	24	27
87	Temperature dependence of band gap in MoSe grown by molecular beam epitaxy. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 492	5	26
86	Microspectroscopic detection of local conducting areas generated by electric-pulse-induced phase transition in VO <sub>2</sub> films. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 133509	3-4	26
85	Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO Resistive Switching Memories. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901322	24	25
84	Polarity-dependent kinetics of ferroelectric switching in epitaxial BiFeO <sub>3</sub> (111) capacitors. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 012905	3-4	25
83	Strong resistance nonlinearity and third harmonic generation in the unipolar resistance switching of NiO thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 252102	3-4	25
82	Leakage current behaviors of epitaxial and preferentially oriented Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films grown on La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> bottom electrodes. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 3120-3122	3-4	25
81	Double polarization hysteresis loop induced by the domain pinning by defect dipoles in HoMnO <sub>3</sub> epitaxial thin films. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	24
80	Phase Instability amid Dimensional Crossover in Artificial Oxide Crystal. <i>Physical Review Letters</i> , <b>2020</b> , 124, 026401	7-4	23
79	Suppression of Three-Dimensional Charge Density Wave Ordering via Thickness Control. <i>Physical Review Letters</i> , <b>2015</b> , 115, 226402	7-4	23
78	Variation in superconducting transition temperature due to tetragonal domains in two-dimensionally doped SrTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	22
77	Magnetotransport effects in polar versus non-polar SrTiO <sub>3</sub> based heterostructures. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	21
76	Step bunching-induced vertical lattice mismatch and crystallographic tilt in vicinal BiFeO <sub>3</sub> (001) films. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 022904	3-4	21
75	Selective growth of perovskite oxides on SrTiO <sub>3</sub> (001) by control of surface reconstructions. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 161908	3-4	21
74	Interfacial reactions and resistive switching behaviors of metal/NiO/metal structures. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 022906	3-4	21

73	Oxygen vacancy induced re-entrant spin glass behavior in multiferroic ErMnO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 162507	3.4	21
72	Dimensionality control of d-orbital occupation in oxide superlattices. <i>Scientific Reports</i> , <b>2014</b> , 4, 6124	4.9	20
71	Electronic structure and anomalous band-edge absorption feature in multiferroic MnWO <sub>4</sub> : An optical spectroscopic study. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	20
70	Reduction in high reset currents in unipolar resistance switching Pt/SrTiO <sub>x</sub> /Pt capacitors using acceptor doping. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 093505	3.4	20
69	Time-resolved visualization of the heat flow in VO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 051907	3.4	19
68	Study of ferroelectric characteristics of diisopropylammonium bromide films. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 124107	2.5	19
67	Two opposite hysteresis curves in semiconductors with mobile dopants. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 253503	3.4	18
66	Time-dependent current-voltage curves during the forming process in unipolar resistance switching. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 053503	3.4	18
65	Raman scattering studies of the magnetic ordering in hexagonal HoMnO <sub>3</sub> thin films. <i>Journal of Raman Spectroscopy</i> , <b>2010</b> , 41, 983-988	2.3	18
64	Asymmetric switching and imprint in (La,Sr)CoO <sub>3</sub> /Pb(Zr,Ti)O <sub>3</sub> /(La,Sr)CoO <sub>3</sub> heterostructures. <i>Integrated Ferroelectrics</i> , <b>1997</b> , 18, 39-48	0.8	18
63	Defect-related room-temperature ferroelectricity in tensile-strained SrTiO <sub>3</sub> thin films on GdScO <sub>3</sub> (110) substrates. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 242907	3.4	17
62	Oxygen Vacancy Engineering for Highly Tunable Ferromagnetic Properties: A Case of SrRuO <sub>3</sub> Ultrathin Film with a SrTiO <sub>3</sub> Capping Layer. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001486	15.6	17
61	Neutron scattering study of magnetic excitations in a 5d-based double-perovskite Ba <sub>2</sub> FeReO <sub>6</sub> . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	16
60	FERROELECTRIC SWITCHING DYNAMICS AND PULSE-SWITCHING POLARIZATION MEASUREMENTS. <i>Integrated Ferroelectrics</i> , <b>2006</b> , 78, 191-197	0.8	16
59	Structural characterization of the low-temperature phase in SrBiTaO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2690-2692	3.4	15
58	Constructing Polymorphic Nanodomains in BaTiO <sub>3</sub> Films via Epitaxial Symmetry Engineering. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1910569	15.6	14
57	Impact of vacancy clusters on characteristic resistance change of nonstoichiometric strontium titanate nano-film. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 013501	3.4	14
56	Raman scattering studies of hexagonal rare-earth RMnO <sub>3</sub> (R = Tb, Dy, Ho, Er) thin films. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 1774-1779	2.3	14

55	Growth of highly oriented Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> (104) thin films on Al <sub>2</sub> O <sub>3</sub> (0001) substrates using pulsed laser deposition. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 2780-2782	3.4	14
54	Double-layer buffer template to grow commensurate epitaxial BaBiO <sub>3</sub> thin films. <i>APL Materials</i> , <b>2016</b> , 4, 126106	5.7	13
53	Suppression of creep-regime dynamics in epitaxial ferroelectric BiFeO <sub>3</sub> films. <i>Scientific Reports</i> , <b>2015</b> , 5, 10485	4.9	11
52	Optical spectroscopy of the carrier dynamics in LaVO <sub>3</sub> /SrVO <sub>3</sub> superlattices. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	9
51	Spin exchange interactions in hexagonal manganites RMnO <sub>3</sub> (R = Tb, Dy, Ho, Er) epitaxial thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 052506	3.4	8
50	Oxygen vacancy-induced topological nanodomains in ultrathin ferroelectric films. <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	8
49	Effect of internal field on the high resistance state retention of unipolar resistance switching in ferroelectric vanadium doped ZnO. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 143502	3.4	7
48	Surface structures of a Co-doped anatase TiO <sub>2</sub> (001) film investigated by scanning tunneling microscopy. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3080-3082	3.4	7
47	Flexoelectric control of physical properties by atomic force microscopy. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 041327	17.3	7
46	Anisotropic suppression of octahedral breathing distortion with the fully strained BaBiO <sub>3</sub> /BaCeO <sub>3</sub> heterointerface. <i>APL Materials</i> , <b>2018</b> , 6, 016107	5.7	6
45	Studies on structural and electro-optic properties of ferroelectric bismuth titanate thin films. <i>Ferroelectrics</i> , <b>1994</b> , 152, 139-144	0.6	6
44	Manifestations of Quasi-Two-Dimensional Metallicity in a Layered Ternary Transition Metal Chalcogenide Ti <sub>2</sub> PTe <sub>2</sub> . <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7570-7573	9.6	5
43	Tunable coupling of two-dimensional superconductors in bilayer SrTiO <sub>3</sub> heterostructures. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	5
42	Effects of growth temperature and oxygen pressure on the properties of heteroepitaxial ZnO thin films on sapphire (0001) substrates by pulsed laser deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 1528-1532	1.3	5
41	Formation of hexagonal phase of TbMnO <sub>3</sub> thin film and its multiferroic properties. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 2156-2162	2.5	5
40	Structural and Electrical Characterization of Pb(Sc,Ta)O <sub>3</sub> Thin Films Derived by Aerosol-Assisted Chemical Vapor Deposition. <i>Ferroelectrics</i> , <b>2002</b> , 271, 265-270	0.6	5
39	Role of IrO <sub>2</sub> Electrode in Reducing the Retention Loss of Ir/IrO <sub>2</sub> /Pb(Zr, Ti)O <sub>3</sub> /Ir Capacitors. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 67, 143-149	0.8	4
38	Structural and Leakage Current Behavior of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films on La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> Bottom Electrodes Grown by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 361, 33		4

37	Mixed Valence and Superconductivity in Perovskite Antimonates. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6787-6793	4
36	Evidence for absence of metallic surface states in BiO <sub>2</sub> -terminated BaBiO <sub>3</sub> thin films. <i>Current Applied Physics</i> , <b>2018</b> , 18, 658-662	2.6 3
35	Properties of Iron Oxide Films Grown by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 341, 35	3
34	Coherent-strained superconducting BaPb <sub>1-x</sub> Bi <sub>x</sub> O <sub>3</sub> thin films by interface engineering. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2 3
33	Enhanced tunability of two-dimensional electron gas on SrTiO <sub>3</sub> through heterostructuring. <i>Current Applied Physics</i> , <b>2020</b> , 20, 1268-1273	2.6 2
32	Energy landscape scheme for an intuitive understanding of complex domain dynamics in ferroelectric thin films. <i>Scientific Reports</i> , <b>2015</b> , 5, 11625	4.9 2
31	Pulsed laser deposition of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films and their anomalous imprint characteristics. <i>Integrated Ferroelectrics</i> , <b>1997</b> , 14, 181-191	0.8 2
30	Mixed phase of deuteron glass and ferroelectric ordering in Rb <sub>1-x</sub> (ND <sub>4</sub> ) <sub>x</sub> D <sub>2</sub> AsO <sub>4</sub> . <i>Ferroelectrics</i> , <b>1994</b> , 157, 281-286	0.6 2
29	Templated epitaxy of TiO <sub>2</sub> (B) on a perovskite. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 133903	3.4 2
28	Superconductivity in (Ba,K)SbO <sub>2</sub> . <i>Nature Materials</i> , <b>2022</b> ,	27 2
27	Negligible Substrate-Induced Strain Effects on Magnetic Properties of SrRuO <sub>3</sub> Thin Films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 2000047	1.3 1
26	Observation of signatures of subresolution defects in two-dimensional superconductors with a scanning SQUID. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3 1
25	Resistive Switching: Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO <sub>3</sub> Resistive Switching Memories (Adv. Mater. 28/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970205	24 1
24	In-Plane Grain Boundary Effects on the Transport Properties of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> - Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 494, 257	1
23	Domain Switching Dynamics in Ferroelectric Ultrathin Film: Fundamental Thickness Limit for FeRAM Application. <i>Applications of Ferroelectrics, IEEE International Symposium on</i> , <b>2007</b> ,	1
22	Effect of CeO <sub>2</sub> interlayer deposition temperature on growth behavior of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /CeO <sub>2</sub> /MgO heterostructures. <i>Applied Physics Letters</i> , <b>1996</b> , 69, 1077-1079	3.4 1
21	Application of a bridge circuit for an inductive critical current density measurement of superconducting thin films. <i>Review of Scientific Instruments</i> , <b>1993</b> , 64, 2385-2386	1.7 1
20	Pulsed Laser Deposition of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films on Sapphire Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 361, 27	1

19	Epitaxial Growth and Physical Properties of La <sub>1-x</sub> CaxMnO <sub>3</sub> Thin Films on MgO(001) Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 461		1
18	Optical Waveguides Using Epitaxial Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films on MgO with CeO <sub>2</sub> Cladding Layers. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 219		1
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16	Growth and Atomically Resolved Polarization Mapping of Ferroelectric Bi <sub>2</sub> WO <sub>6</sub> Thin Films. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1023-1030	4	1
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14	Tunable Two-Channel Magnetotransport in SrRuO <sub>3</sub> Ultrathin Films Achieved by Controlling the Kinetics of Heterostructure Deposition. <i>Advanced Electronic Materials</i> , 2100804	6.4	0
13	In situ investigation of conducting interface formation in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructure. <i>Current Applied Physics</i> , <b>2021</b> , 30, 53-53	2.6	0
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8	Effect of dimethylhydrazine on p-type conductivity of as-grown Mg-doped GaN. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2009</b> , 3, 52-54	2.5	
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- 1 Thickness-Driven Morphotropic Phase Transition in Metastable Ferroelectric CaTiO<sub>3</sub> Films.  
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