

# Minu Kim

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5357806/mino-kim-publications-by-year.pdf>

**Version:** 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

144  
papers

7,570  
citations

39  
h-index

85  
g-index

149  
ext. papers

8,202  
ext. citations

6.7  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
144	Superconductivity in (Ba,K)SbO <sub>2</sub> . <i>Nature Materials</i> , <b>2022</b> ,	27	2
143	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
142	Oxygen vacancy-induced topological nanodomains in ultrathin ferroelectric films. <i>Npj Quantum Materials</i> , <b>2021</b> , 6,	5	8
141	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
140	Mixed Valence and Superconductivity in Perovskite Antimonates. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6787-6793	5.793	4
139	Flexoelectric control of physical properties by atomic force microscopy. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 041327	17.3	7
138	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
137	Epitaxial Ultrathin Films: Atomic-Scale Metal-Insulator Transition in SrRuO <sub>3</sub> Ultrathin Films Triggered by Surface Termination Conversion (Adv. Mater. 8/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070058	2.4	2
136	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
135	Phase Instability amid Dimensional Crossover in Artificial Oxide Crystal. <i>Physical Review Letters</i> , <b>2020</b> , 124, 026401	7.4	23
134	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
133	Templated epitaxy of TiO <sub>2</sub> (B) on a perovskite. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 133903	3.4	2
132	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
131	Enhanced flexoelectricity at reduced dimensions revealed by mechanically tunable quantum tunnelling. <i>Nature Communications</i> , <b>2019</b> , 10, 537	17.4	34
130	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
129	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
128	Coherent-strained superconducting BaPb <sub>1-x</sub> BixO <sub>3</sub> thin films by interface engineering. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	3

127	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
126	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
125	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
124	Metal-Insulator Transition: Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials (Adv. Mater. 42/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870318	24	0
123	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
122	Ablation laser fluence as an effective parameter to control superconductivity in Ba 1-x K x BiO 3 films. <i>Current Applied Physics</i> , <b>2017</b> , 17, 600-604	2.6	
121	Temperature dependence of band gap in MoSe grown by molecular beam epitaxy. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 492	5	26
120	Controlled manipulation of oxygen vacancies using nanoscale flexoelectricity. <i>Nature Communications</i> , <b>2017</b> , 8, 615	17.4	70
119	Topotactic Metal-Insulator Transition in Epitaxial SrFeO Thin Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606566	6.1	67
118	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
117	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
116	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
115	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
114	Study of ferroelectric characteristics of diisopropylammonium bromide films. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 124107	2.5	19
113	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
112	Resistive switching phenomena: A review of statistical physics approaches. <i>Applied Physics Reviews</i> , <b>2015</b> , 2, 031303	17.3	243
111	Suppression of Three-Dimensional Charge Density Wave Ordering via Thickness Control. <i>Physical Review Letters</i> , <b>2015</b> , 115, 226402	7.4	23
110	Electronic structure and insulating gap in epitaxial VO <sub>2</sub> polymorphs. <i>APL Materials</i> , <b>2015</b> , 3, 126109	5.7	33

109	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
108	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
107	Dimensionality control of d-orbital occupation in oxide superlattices. <i>Scientific Reports</i> , <b>2014</b> , 4, 6124	4.9	20
106	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
105	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
104	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
103	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
102	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
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	Two opposite hysteresis curves in semiconductors with mobile dopants. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 253503	3.4	18
99	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
98	SPECTROSCOPIC STUDIES OF STRONG SPIN-ORBIT COUPLING IN 4D AND 5D TRANSITION METAL OXIDES <b>2013</b> , 7-42		
97	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
96	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
95	Flexoelectric rectification of charge transport in strain-graded dielectrics. <i>Nano Letters</i> , <b>2012</b> , 12, 6436-401.5	4.5	43
94	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
93	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
92	Scanning SQUID susceptometry of a paramagnetic superconductor. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	30

91	Single-valley quantum Hall ferromagnet in a dilute $Mg_xZn_{1-x}O/ZnO$ strongly correlated two-dimensional electron system. <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	29
90	Intrinsic spin-orbit coupling in superconducting $\delta$ -doped $SrTiO_3$ heterostructures. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	40
89	Common origin of the circular-dichroism pattern in angle-resolved photoemission spectroscopy of $SrTiO_3$ and $Cu(x)Bi_2Se_3$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 077601	7-4	31
88	Giant flexoelectric effect in ferroelectric epitaxial thin films. <i>Physical Review Letters</i> , <b>2011</b> , 107, 057602	7-4	312
87	Direct imaging of the coexistence of ferromagnetism and superconductivity at the $LaAlO_3/SrTiO_3$ interface. <i>Nature Physics</i> , <b>2011</b> , 7, 767-771	16.2	674
86	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
85	Raman scattering studies of hexagonal rare-earth $RMnO_3$ ( $R = Tb, Dy, Ho, Er$ ) thin films. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 1774-1779	2-3	14
84	Spin exchange interactions in hexagonal manganites $RMnO_3$ ( $R = Tb, Dy, Ho, Er$ ) epitaxial thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 052506	3-4	8
83	Optical spectroscopy of the carrier dynamics in $LaVO_3/SrVO_3$ superlattices. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	9
82	Polarity-dependent kinetics of ferroelectric switching in epitaxial $BiFeO_3(111)$ capacitors. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 012905	3-4	25
81	Fermi surface and superconductivity in low-density high-mobility $\delta$ -doped $SrTiO_3$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 106801	7-4	44
80	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
79	Conversion from unipolar to bipolar resistance switching by inserting $Ta_2O_5$ layer in $Pt/TaO_x/Pt$ cells. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 183507	3-4	31
78	Thickness-dependent structural phase transition of strained $SrRuO_3$ ultrathin films: The role of octahedral tilt. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	75
77	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
76	Step bunching-induced vertical lattice mismatch and crystallographic tilt in vicinal $BiFeO_3(001)$ films. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 022904	3-4	21
75	Selective growth of perovskite oxides on $SrTiO_3(001)$ by control of surface reconstructions. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 161908	3-4	21
74	Electronic structure and anomalous band-edge absorption feature in multiferroic $MnWO_4$ : An optical spectroscopic study. <i>Physical Review B</i> , <b>2010</b> , 81,	3-3	20

73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	Multilevel unipolar resistance switching in TiO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 093508	3-4	29
61	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
60	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
59	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
58	Two-dimensional normal-state quantum oscillations in a superconducting heterostructure. <i>Nature</i> , <b>2009</b> , 462, 487-90	50-4	201
57	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	
56	Interfacial reactions and resistive switching behaviors of metal/NiO/metal structures. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 022906	3-4	21

55	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
54	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
53	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
52	Scaling behaviors of reset voltages and currents in unipolar resistance switching. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 212105	3-4	74
51	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
50	Random Circuit Breaker Network Model for Unipolar Resistance Switching. <i>Advanced Materials</i> , <b>2008</b> , 20, 1154-1159	24	302
49	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
48	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
47	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
46	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
45	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
44	FERROELECTRIC SWITCHING DYNAMICS AND PULSE-SWITCHING POLARIZATION MEASUREMENTS. <i>Integrated Ferroelectrics</i> , <b>2006</b> , 78, 191-197	0.8	16
43	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
42	FERROELECTRIC SWITCHING DYNAMICS AND PULSE-SWITCHING POLARIZATION MEASUREMENTS. <i>Integrated Ferroelectrics</i> , <b>2005</b> , 73, 115-121	0.8	
41	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
40	Charge Retention Loss and Its Mechanism of (Bi, La)4Ti <sub>3</sub> O <sub>12</sub> Capacitors. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 67, 85-91	0.8	
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	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

37	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
36	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
35	Structural characterization of the low-temperature phase in SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> films. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2690-2692	3.4	15
34	Lanthanum-substituted bismuth titanate for use in non-volatile memories. <i>Nature</i> , <b>1999</b> , 401, 682-684	50.4	1918
33	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
32	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
31	Scaling Behavior of Spectral Weight Changes in Perovskite Manganites La <sub>0.7</sub> P <sub>0.3</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1998</b> , 81, 4983-4986	7.4	33
30	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
29	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
28	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
27	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
26	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
25	Effects of Interfacial States on Asymmetric Polarization Switchings of Epitaxial Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 474, 3		
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	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
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	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
20	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



19	Epitaxial Growth and Physical Properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ Thin Films on $\text{MgO}(001)$ Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 461		1
18	Optical Waveguides Using Epitaxial $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films on $\text{MgO}$ with $\text{CeO}_2$ Cladding Layers. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 219		1
17	Dependence of Electro-Optic Effects on the Orientations of Epitaxial $\text{LiNbO}_3$ Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 401, 261		
16	Growth of highly oriented $\text{Bi}_4\text{Ti}_3\text{O}_{12}(104)$ thin films on $\text{Al}_2\text{O}_3(0001)$ substrates using pulsed laser deposition. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 2780-2782	3-4	14
15	Leakage current behaviors in rapid thermal annealed $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 1525-1527	3-4	47
14	Pulsed Laser Deposition of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films on Sapphire Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 361, 27		1
13	Properties of Iron Oxide Films Grown by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 341, 35		3
12	Pulsed Laser Deposition of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films on Indium Tin Oxide Coated Glass. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 343, 475		0
11	Structural and Leakage Current Behavior of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films on $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ Bottom Electrodes Grown by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , <b>1994</b> , 361, 33		4
10	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
9	Mixed phase of deuteron glass and ferroelectric ordering in $\text{Rb}_{1-x}(\text{ND}_4)_x\text{D}_2\text{AsO}_4$ . <i>Ferroelectrics</i> , <b>1994</b> , 157, 281-286	0.6	2
8	Structural and electro-optic properties of pulsed laser deposited $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films on $\text{MgO}$ . <i>Applied Physics Letters</i> , <b>1993</b> , 63, 2198-2200	3-4	55
7	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
6	Structural and Electro-Optic Properties of Laser-Ablated Ferroelectric $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>1992</b> , 285, 385		1
5	Structural and electro-optic properties of laser ablated $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ thin films on $\text{SrTiO}_3(100)$ and $\text{SrTiO}_3(110)$ . <i>Applied Physics Letters</i> , <b>1992</b> , 61, 1516-1518	3-4	49
4	Tunable Two-Channel Magnetotransport in $\text{SrRuO}_3$ Ultrathin Films Achieved by Controlling the Kinetics of Heterostructure Deposition. <i>Advanced Electronic Materials</i> , 2100804	6.4	0
3	Nanosession: 2D Electron Systems - Correlation Effects and Transport 81-88		
2	Nanosession: Variants of Resistive Switching 247-258		

- 1 Thickness-Driven Morphotropic Phase Transition in Metastable Ferroelectric CaTiO<sub>3</sub> Films.  
*Advanced Electronic Materials*, 2101398

6.4