

Di Wu

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.

185
papers

4,566
citations

34
h-index

61
g-index

195
ext. papers

5,345
ext. citations

4.7
avg, IF

5.57
L-index

#	Paper	IF	Citations
185	Stable pH sensitivity of LaAlO ₃ /SrTiO ₃ interfacial electronic gas. <i>Current Applied Physics</i> , 2022 , 34, 55-58	2.6	0
184	Magnetic properties of multiferroic Pb ₅ Fe ₃ F ₁₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 541, 168540	2.8	1
183	The magnetic properties of multiferroic Ba ₅ Fe ₃ F ₁₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 541, 168541	2.8	1
182	Anisotropic magnetostructural transition in epitaxial Mn ₂ NiCoTi Heusler alloy thin film. <i>Journal of Applied Physics</i> , 2022 , 131, 173902	2.5	0
181	Atomic-scale fatigue mechanism of ferroelectric tunnel junctions. <i>Science Advances</i> , 2021 , 7, eabh2716	14.3	7
180	Flexoelectric-induced photovoltaic effects and tunable photocurrents in flexible LaFeO ₃ epitaxial heterostructures. <i>Journal of Materiomics</i> , 2021 ,	6.7	3
179	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. <i>Advanced Materials</i> , 2021 , e2105778	24	2
178	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24285-24294	9.5	6
177	Tailoring Stress and Ion-Transport Kinetics via a Molecular Layer Deposition-Induced Artificial Solid Electrolyte Interphase for Durable Silicon Composite Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32520-32530	9.5	6
176	Electroresistance in metal/ferroelectric/semiconductor tunnel junctions based on a Hf _{0.5} Zr _{0.5} O ₂ barrier. <i>Applied Physics Letters</i> , 2021 , 118, 252901	3.4	2
175	Ultrafast spin current generated from an antiferromagnet. <i>Nature Physics</i> , 2021 , 17, 388-394	16.2	29
174	Spin-orbit torque and Dzyaloshinskii-Moriya interaction in perpendicularly magnetized heterostructures with iridium. <i>Applied Physics Letters</i> , 2021 , 118, 062409	3.4	0
173	Electrically tunable inverse spin Hall effect in SrIrO ₃ /Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ heterostructures through interface strain coupling. <i>Applied Physics Letters</i> , 2021 , 118, 052904	3.4	2
172	Polymerized hybrid Hf-based hydroquinone/Al ₂ O ₃ bilayer structure by molecular/atomic layer deposition for non-volatile resistive random access memory. <i>APL Materials</i> , 2021 , 9, 121110	5.7	2
171	Spin-Filtering Ferroelectric Tunnel Junctions as Multiferroic Synapses for Neuromorphic Computing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56300-56309	9.5	16
170	Conductivity Modulation of a Slit Channel in a Monolayer MoS ₂ Homostructure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000082	2.5	
169	Preparation and characterization of a flexible ferroelectric tunnel junction. <i>Applied Physics Letters</i> , 2020 , 116, 222904	3.4	5

168	Ferroelastic-Domain-Assisted Mechanical Switching of Ferroelectric Domains in Pb(Zr,Ti)O ₃ Thin Films. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000300	6.4	5
167	Ferroelectric Tunnel Junctions: Modulations on the Potential Barrier. <i>Advanced Materials</i> , 2020 , 32, e1904123	4.23	63
166	Light-Enhanced Spin Diffusion in Hybrid Perovskite Thin Films and Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3205-3213	9.5	8
165	Simulation of Biologic Synapse Through Organic-Inorganic Hybrid Memristors Using Novel Ti-Based Maleic Acid/TiO ₂ Ultrathin Films. <i>IEEE Electron Device Letters</i> , 2020 , 41, 155-158	4.4	12
164	Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBiTe Device. <i>Nano Letters</i> , 2020 , 20, 709-714	11.5	31
163	Titanicene-derived TiO quantum dot@carbon encapsulated ZnO nanorod anodes for stable lithium storage. <i>Dalton Transactions</i> , 2020 , 49, 10866-10873	4.3	5
162	One-step facile preparation of zinc-based hydroquinone hybrid nanoporous thin films by molecular layer deposition. <i>Applied Physics Letters</i> , 2020 , 117, 031601	3.4	8
161	Optimization of oxygen vacancy concentration in HfO ₂ /HfO _x bilayer-structured ultrathin memristors by atomic layer deposition and their biological synaptic behavior. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12478-12484	7.1	14
160	Synaptic functions and a memristive mechanism on Pt/AlO _x /HfO _x /TiN bilayer-structure memristors. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 035302	3	7
159	Evaluation of the Structural Phase Transition in Multiferroic (Bi _{1-x} Pr _x)(Fe _{0.95} Mn _{0.05})O ₃ Thin Films by A Multi-Technique Approach Including Picosecond Laser Ultrasonics. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 736	2.6	2
158	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019 , 570, 87-90	50.4	206
157	Imaging quantum spin Hall edges in monolayer WTe ₂ . <i>Science Advances</i> , 2019 , 5, eaat8799	14.3	64
156	Biomimetic strain sensors based on patterned polydimethylsiloxane and Ir nanoparticles decorated multi-walled carbon nanotubes. <i>Sensors and Actuators A: Physical</i> , 2019 , 289, 57-64	3.9	16
155	Growth Mechanism, Ambient Stability, and Charge Trapping Ability of Ti-Based Maleic Acid Hybrid Films by Molecular Layer Deposition. <i>Langmuir</i> , 2019 , 35, 3020-3030	4	7
154	Atomic layer deposition of ZnO/TiO nanolaminates as ultra-long life anode material for lithium-ion batteries. <i>Scientific Reports</i> , 2019 , 9, 11526	4.9	16
153	Interface electron transfer and thickness dependent transport characteristics of LaSrVO thin films. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 245002	1.8	
152	Comparison of chemical stability and corrosion resistance of group IV metal oxide films formed by thermal and plasma-enhanced atomic layer deposition. <i>Scientific Reports</i> , 2019 , 9, 10438	4.9	15
151	Metal-Insulator Transition of LaNiO Films in LaNiO/SrIrO Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3565-3570	9.5	3

150	Outstanding memory characteristics with atomic layer deposited Ta ₂ O ₅ /Al ₂ O ₃ /TiO ₂ /Al ₂ O ₃ /Ta ₂ O ₅ nanocomposite structures as the charge trapping layer. <i>Applied Surface Science</i> , 2019 , 467-468, 423-427	6.7	10
149	Observation of spin-orbit magnetoresistance in metallic thin films on magnetic insulators. <i>Science Advances</i> , 2018 , 4, eaao3318	14.3	23
148	Spin Injection and Transport in Organic Spin Valves. <i>Materials and Energy</i> , 2018 , 93-129		1
147	Self-consistent determination of spin Hall angle and spin diffusion length in Pt and Pd: The role of the interface spin loss. <i>Science Advances</i> , 2018 , 4, eaat1670	14.3	106
146	TiON Modified TiO Powders Prepared by Plasma Enhanced Atomic Layer Deposition for Highly Visible Light Photocatalysis. <i>Scientific Reports</i> , 2018 , 8, 12131	4.9	18
145	A comparative study of growth and properties of atomic layer deposited transparent conductive oxide of Al doped ZnO films from different Al precursors. <i>Thin Solid Films</i> , 2018 , 646, 126-131	2.2	20
144	Synaptic Plasticity and Learning Behaviors Mimicked in Single Inorganic Synapses of Pt/HfO/ZnO/TiN Memristive System. <i>Nanoscale Research Letters</i> , 2017 , 12, 65	5	33
143	Electroelastic Green's function of one-dimensional piezoelectric quasicrystals subjected to multi-physics loads. <i>Journal of Intelligent Material Systems and Structures</i> , 2017 , 28, 1651-1661	2.3	14
142	Atomic Layer Deposited Oxide-Based Nanocomposite Structures with Embedded CoPt Nanocrystals for Resistive Random Access Memory Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6634-6643	9.5	27
141	A high-throughput stereo-imaging system for quantifying rape leaf traits during the seedling stage. <i>Plant Methods</i> , 2017 , 13, 7	5.8	40
140	High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , 2017 , 110, 171602	3.4	8
139	Giant tunnelling electroresistance in metal/ferroelectric/semiconductor tunnel junctions by engineering the Schottky barrier. <i>Nature Communications</i> , 2017 , 8, 15217	17.4	115
138	Out-of-Plane Piezoelectricity and Ferroelectricity in Layered HnSe Nanoflakes. <i>Nano Letters</i> , 2017 , 17, 5508-5513	11.5	317
137	ZnO/ZnS Core-Shell Nanowires Arrays on Ni Foam Prepared by Atomic Layer Deposition for High Performance Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3493-A3498	3.9	17
136	Atomic-Layer-Deposition Assisted Formation of Wafer-Scale Double-Layer Metal Nanoparticles with Tunable Nanogap for Surface-Enhanced Raman Scattering. <i>Scientific Reports</i> , 2017 , 7, 5161	4.9	14
135	Interfacial, Electrical, and Band Alignment Characteristics of HfO/Ge Stacks with In Situ-Formed SiO Interlayer by Plasma-Enhanced Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , 2017 , 12, 370	5	7
134	Bipolar Resistive Switching Characteristics of HfO/TiO/HfO Trilayer-Structure RRAM Devices on Pt and TiN-Coated Substrates Fabricated by Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , 2017 , 12, 393	5	37
133	Controlling the assembly and spin transport of tetrathiafulvalene carboxylate coated iron oxide nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7200-7206	7.1	3

132	Uncovering edge states and electrical inhomogeneity in MoS ₂ field-effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 8583-8	11.5	72
131	Periodic magnetic domains in single-crystalline cobalt filament arrays. <i>Physical Review B</i> , 2016 , 93,	3.3	8
130	Enhancing magnetoresistance in tetrathiafulvalene carboxylate modified iron oxide nanoparticle assemblies. <i>Nanoscale</i> , 2016 , 8, 12128-33	7.7	9
129	Chemical strain-dependent two-dimensional transport at RAlO ₃ /SrTiO ₃ interfaces (R=La,Nd,Sm,and Gd). <i>Physical Review B</i> , 2016 , 94,	3.3	4
128	Four-state non-volatile memory in a multiferroic spin filter tunnel junction. <i>Applied Physics Letters</i> , 2016 , 109, 252903	3.4	13
127	Ferroelectric domain inversion and its stability in lithium niobate thin film on insulator with different thicknesses. <i>AIP Advances</i> , 2016 , 6, 075011	1.5	24
126	Interface modulation and resistive switching evolution in Pt/NiO _x /Al ₂ O ₃ /n+Bi structure. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 1365-1370	2.6	2
125	Growth characteristics of Ti-based fumaric acid hybrid thin films by molecular layer deposition. <i>Dalton Transactions</i> , 2015 , 44, 14782-92	4.3	21
124	Electromechanical Response from LaAlO ₃ /SrTiO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10146-51	9.5	13
123	Stepwise mechanism and H ₂ O-assisted hydrolysis in atomic layer deposition of SiO ₂ without a catalyst. <i>Nanoscale Research Letters</i> , 2015 , 10, 68	5	7
122	Excellent resistive switching properties of atomic layer-deposited Al ₂ O ₃ /HfO ₂ /Al ₂ O ₃ trilayer structures for non-volatile memory applications. <i>Nanoscale Research Letters</i> , 2015 , 10, 135	5	59
121	Thickness-dependent metal-insulator transition in epitaxial SrRuO ₃ ultrathin films. <i>Journal of Applied Physics</i> , 2015 , 117, 015307	2.5	37
120	Interfacial structure in epitaxial perovskite oxides on (001) Ge crystal. <i>Applied Physics Letters</i> , 2015 , 106, 032903	3.4	8
119	Thickness-Dependent Dielectric Constant of Few-Layer InBe ₂ Nanoflakes. <i>Nano Letters</i> , 2015 , 15, 8136-40	11.5	67
118	Photocatalytic activity and photocorrosion of atomic layer deposited ZnO ultrathin films for the degradation of methylene blue. <i>Nanotechnology</i> , 2015 , 26, 024002	3.4	34
117	Interfacial Structure in Epitaxial Perovskite Oxides on (001) Ge Crystal. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1301-1302	0.5	
116	Improved memory functions in multiferroic tunnel junctions with a dielectric/ferroelectric composite barrier. <i>Applied Physics Letters</i> , 2015 , 107, 232902	3.4	16
115	Resistive Switching Characteristics in TiO ₂ /LaAlO ₃ Heterostructures Sandwiched in Pt Electrodes. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-6	1.5	1

114	Tuning Electron-Conduction and Spin Transport in Magnetic Iron Oxide Nanoparticle Assemblies via Tetrathiafulvalene-Fused Ligands. <i>ACS Nano</i> , 2015 , 9, 12205-13	16.7	19
113	Self-catalysis by aminosilanes and strong surface oxidation by O ₂ plasma in plasma-enhanced atomic layer deposition of high-quality SiO ₂ . <i>Chemical Communications</i> , 2015 , 51, 1341-4	5.8	26
112	Improved thermal stability and electrical properties of atomic layer deposited HfO ₂ /AlN high-k gate dielectric stacks on GaAs. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015 , 33, 01A136	2.9	4
111	Interfacial dislocations in (111) oriented (Ba _{0.7} Sr _{0.3})TiO ₃ films on SrTiO ₃ single crystal. <i>Applied Physics Letters</i> , 2015 , 107, 141605	3.4	2
110	Mechanical switching of ferroelectric polarization in ultrathin BaTiO ₃ films: The effects of epitaxial strain. <i>Applied Physics Letters</i> , 2014 , 104, 042907	3.4	36
109	Effective anomalous Hall coefficient in an ultrathin Co layer sandwiched by Pt layers. <i>Journal of Applied Physics</i> , 2014 , 115, 063908	2.5	6
108	Ferroelectric modulation on resonant tunneling through perovskite double-barriers. <i>Applied Physics Letters</i> , 2014 , 104, 142907	3.4	4
107	Effects of γ irradiation on ferroelectric properties of Pr and Mn co-substituted BiFeO ₃ thin films. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 045310	3	6
106	Memristive behaviors in Pt/BaTiO ₃ /Nb:SrTiO ₃ ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2014 , 105, 052910	3.4	35
105	Rectifying characteristics of a Fe:SrTiO ₃ /Nb:SrTiO ₃ homojunction. <i>Superlattices and Microstructures</i> , 2014 , 75, 72-78	2.8	1
104	Resistive switching in (hbox {BiFeO}_3)-based heterostructures due to ferroelectric modulation on interface Schottky barriers. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 3251-3256	2.1	12
103	Mesoscale imperfections in MoS ₂ atomic layers grown by a vapor transport technique. <i>Nano Letters</i> , 2014 , 14, 4682-6	11.5	63
102	TiAlO nanocrystal charge trapping memory cells fabricated by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 563, 6-9	2.2	4
101	Nonvolatile memory capacitors based on Al ₂ O ₃ tunneling and HfO ₂ blocking layers with charge storage in atomic-layer-deposited Pt nanocrystals. <i>Applied Surface Science</i> , 2014 , 289, 332-337	6.7	16
100	Strain effects on transport and magnetic properties of Pr _{0.65} La _{0.05} Ca _{0.3} MnO ₃ thin films. <i>Physica B: Condensed Matter</i> , 2014 , 434, 106-111	2.8	2
99	Ultrathin ZnO coating for improved electrochemical performance of LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ cathode material. <i>Journal of Power Sources</i> , 2014 , 266, 433-439	8.9	179
98	Resistive switching of Pt/ZrO ₂ /YBa ₂ Cu ₃ O ₇ sandwiches. <i>EPJ Applied Physics</i> , 2014 , 65, 31303	1.1	
97	Growth of high-density Ir nanocrystals by atomic layer deposition for nonvolatile nanocrystal memory applications. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 042201	1.3	5

96	Anomalous Hall effect in Co/Ni multilayers with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2014 , 104, 082404	3.4	14
95	Monolayer FePt nanocrystal self-assembly embedded into atomic-layer-deposited Al ₂ O ₃ films for nonvolatile memory applications. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 103-107	5.7	7
94	Recent advances in spin transport in organic semiconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 142-150	3.6	11
93	Temperature-dependent tunneling electroresistance in Pt/BaTiO ₃ /SrRuO ₃ ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2013 , 103, 132913	3.4	26
92	Ferroelectric-field-effect-enhanced electroresistance in metal/ferroelectric/semiconductor tunnel junctions. <i>Nature Materials</i> , 2013 , 12, 617-21	27	443
91	Bipolar resistive switching based on SrTiO ₃ /YBa ₂ Cu ₃ O ₇ epi-layers. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 035308	3	7
90	Bipolar resistive switching in BiFe _{0.95} Zn _{0.05} O ₃ films. <i>Chinese Physics B</i> , 2013 , 22, 107702	1.2	7
89	The metallic interface between insulating NdGaO ₃ and SrTiO ₃ perovskites. <i>Applied Physics Letters</i> , 2013 , 103, 201602	3.4	23
88	Tuning the polarization state of light via time retardation with a microstructured surface. <i>Physical Review B</i> , 2013 , 88,	3.3	19
87	Spectroscopy of self-assembled one-dimensional atomic string: The role of step edge. <i>Applied Physics Letters</i> , 2013 , 103, 081608	3.4	3
86	Characteristics of Gd ₂ La _x O ₃ high-k films by metal-organic chemical vapor deposition. <i>Microelectronic Engineering</i> , 2012 , 94, 38-43	2.5	4
85	Electron mobility determination of efficient phosphorescent iridium complexes with tetraphenylimidodiphosphinate ligand via transient electroluminescence method. <i>Applied Physics Letters</i> , 2012 , 100, 073303	3.4	37
84	Mechanism of polarization fatigue in BiFeO ₃ . <i>ACS Nano</i> , 2012 , 6, 8997-9004	16.7	61
83	Magnetic ordering and structural phase transitions in a strained ultrathin SrRuO ₃ /SrTiO ₃ superlattice. <i>Physical Review Letters</i> , 2012 , 109, 157003	7.4	42
82	Hf _x Zr _{1-x} O ₂ films chemical vapor deposited from a single source precursor of anhydrous Hf _x Zr _{1-x} (NO ₃) ₄ . <i>Journal of Crystal Growth</i> , 2012 , 346, 12-16	1.6	2
81	Magnetic and transport characteristics of long-period [(LaMnO ₃) _n /(SrMnO ₃) _n] _m (n ∈ ℤ) superlattices. <i>Journal of Applied Physics</i> , 2012 , 112, 103917	2.5	2
80	Positron annihilation studies on the behaviour of vacancies in LaAlO ₃ /SrTiO ₃ heterostructures. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 445305	3	5
79	Strain effects on magnetic characteristics of ultrathin La _{0.7} Sr _{0.3} MnO ₃ in epitaxial La _{0.7} Sr _{0.3} MnO ₃ /BaTiO ₃ superlattices. <i>Journal of Applied Physics</i> , 2012 , 112, 123919	2.5	11

78	Enhanced Magnetoelectric Response and Phonon Abnormality of Self-assembled Feather-like CoFe ₂ O ₄ -BaTiO ₃ Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1454, 57-62		
77	Polarization fatigue of Pr and Mn co-substituted BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2011 , 99, 012903	3.4	32
76	Current-voltage characteristics of sol-gel derived SrZrO ₃ thin films for resistive memory applications. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2050-2053	5.7	15
75	Multiferroic properties of (Bi _{1-x} Pr _x)(Fe _{0.95} Mn _{0.05})O ₃ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 990-995	3.1	29
74	Effects of Pr Substitution on Electrical Properties of Bi(Fe _{0.95} Mn _{0.05})O ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BF07	1.4	1
73	Photovoltaic property of BiFeO ₃ thin films with 109° domains. <i>Applied Physics Letters</i> , 2011 , 99, 122902	3.4	55
72	Temperature-dependent leakage current characteristics of Pr and Mn cosubstituted BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2010 , 96, 202904	3.4	26
71	Polarization switching in quasiplanar BiFeO ₃ capacitors. <i>Applied Physics Letters</i> , 2010 , 97, 062910	3.4	25
70	Impact of the Al/Hf ratio on the electrical properties and band alignments of atomic-layer-deposited HfO ₂ /Al ₂ O ₃ on S-passivated GaAs substrates. <i>Semiconductor Science and Technology</i> , 2010 , 25, 055012	1.8	12
69	Fabrication and characterization of La-doped HfO ₂ gate dielectrics by metal-organic chemical vapor deposition. <i>Applied Surface Science</i> , 2010 , 256, 2496-2499	6.7	34
68	The roles of B-site ions in lead strontium zirconate titanate thin films for electrically tunable device applications. <i>Thin Solid Films</i> , 2010 , 518, 3929-3932	2.2	1
67	Enhanced ferromagnetism at the rhombohedral-tetragonal phase boundary in Pr and Mn co-substituted powders. <i>Solid State Communications</i> , 2010 , 150, 2081-2084	1.6	47
66	Composition-dependent electrical characteristics and interface microstructures of solution-derived Nd-substituted Bi ₄ Ti ₃ O ₁₂ thin films on Pt electrodes. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 185412	3	3
65	Preparation of (1-x)(Na _{0.5} Bi _{0.5})TiO ₃ -xSrTiO ₃ thin films by a sol-gel method for dielectric tunable applications. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 49, 29-34	2.3	23
64	Synthesis, structure and physical properties of the one-dimensional chain complex of tetrathiafulvalene carboxylate. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1596-1601		13
63	Microstructures and impedance studies of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 95, 517-521	2.6	5
62	Structural phase transition due to La substitution in Bi ₄ Ti ₃ O ₁₂ . <i>Phase Transitions</i> , 2009 , 82, 146-155	1.3	7
61	Effect of Forming Gas on Properties of SrBi ₂ Ta ₂ O ₉ Ferroelectric Thin Film and Powder. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2009 , 24, 737-740	1	5

60	CHEMICAL VAPOR DEPOSITION OF $Zr_xHf_{1-x}O_2$ THIN FILMS USING ANHYDROUS MIXED-METAL NITRATES PRECURSORS. <i>Integrated Ferroelectrics</i> , 2008 , 97, 93-102	0.8	2
59	Polarization offset of homogeneous $Bi_{3.15}Nd_{0.85}Ti_3O_{12}$ ferroelectric thin films. <i>Journal of Applied Physics</i> , 2008 , 104, 074117	2.5	2
58	Polarization offsets of compositionally graded Nd-substituted $Bi_4Ti_3O_{12}$ ferroelectric thin films. <i>Applied Physics Letters</i> , 2008 , 93, 062904	3.4	6
57	Fatigue characteristics of Nd-substituted $Bi_4Ti_3O_{12}$ ferroelectric thin films at elevated temperatures. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 122003	3	6
56	Preparation and characterization of $Pb_{0.56}Sr_{0.44}Zr_{0.52}Ti_{0.48}O_3$ inverse opal. <i>Journal of Sol-Gel Science and Technology</i> , 2008 , 45, 315-318	2.3	2
55	Ferroelectric properties of bilayer structured $Pb(Zr_{0.52}Ti_{0.48})O_3/SrBi_2Ta_2O_9$ (PZT/SBT) thin films on Pt/ $TiO_2/SiO_2/Si$ substrates. <i>Applied Surface Science</i> , 2008 , 254, 1583-1586	6.7	13
54	Transmission Electron Microscopy Observations on the Interfacial Structures of the Pt/ $SrBi_2Ta_2O_9$ /Pt Thin-Film Capacitors Prepared by Metallo-Organic Decomposition. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 979-985	3.8	
53	Effects of processing on all-optical poling characteristics of guest-host azo-dye polymer thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1114-1122	1.6	6
52	Low-temperature electrical characteristics of $Bi_{3.15}Nd_{0.85}Ti_3O_{12}$ thin films. <i>Applied Physics Letters</i> , 2007 , 90, 062902	3.4	10
51	Bell-mouthed single-crystalline tubular ZnO prepared by a soft solution method. <i>Materials Chemistry and Physics</i> , 2006 , 96, 51-54	4.4	9
50	Chemical Vapor Deposition of $Zr_xTi_{1-x}O$ and $Hf_xTi_{1-x}O$ Thin Films Using the Composite Anhydrous Nitrate Precursors. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 917, 1		
49	Effects of the substitution of Pb for Ba in $(Ba,Sr)TiO_3$ films on the temperature stability of the tunable properties. <i>Applied Physics Letters</i> , 2006 , 88, 182909	3.4	22
48	STRUCTURE AND PROPERTIES OF BARIUM STRONTIUM TITANATE NANOPARTICLES SYNTHESIZED BY A HYDROTHERMAL METHOD. <i>Integrated Ferroelectrics</i> , 2006 , 78, 289-297	0.8	1
47	Giant magnetoresistance in transition-metal-doped ZnO films. <i>Applied Physics Letters</i> , 2006 , 88, 252110	3.4	37
46	Sequence of Events for the Formation of Titanate Nanotubes, Nanofibers, Nanowires, and Nanobelts. <i>Chemistry of Materials</i> , 2006 , 18, 547-553	9.6	232
45	Optical properties of (Mn, Co) co-doped ZnO films prepared by dual-radio frequency magnetron sputtering. <i>Thin Solid Films</i> , 2006 , 515, 2361-2365	2.2	24
44	Co-doped titanate nanotubes. <i>Applied Physics Letters</i> , 2005 , 87, 112501	3.4	57
43	Effects of applied electric field during postannealing on the tunable properties of $(Ba,Sr)TiO_3$ thin films. <i>Applied Physics Letters</i> , 2005 , 87, 052902	3.4	9

42	Magnetic and transport properties of (Mn, Co)-codoped ZnO films prepared by radio-frequency magnetron cosputtering. <i>Journal of Applied Physics</i> , 2005 , 98, 053908	2.5	58
41	SYNTHESIS AND CHARACTERIZATION OF FERROELECTRIC NANOCRYSTAL POWDERS OF SrBi ₂ Ta ₂ O ₉ BY A POLYMERIZABLE COMPLEX METHOD. <i>International Journal of Modern Physics B</i> , 2005 , 19, 2514-2519	1.1	3
40	Electrical properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ /LaAlO ₃ /Si structures for ferroelectric field effect transistor applications. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 832-835	3	3
39	Dielectric characterization of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films. <i>Applied Physics Letters</i> , 2004 , 84, 4505-4507	3.4	64
38	Structure and electrical properties of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ ferroelectric thin films. <i>Journal of Applied Physics</i> , 2004 , 95, 4275-4281	2.5	54
37	Characteristics of SrBi ₂ Ta ₂ O ₉ ferroelectric films in an in situ applied low electric field prepared by metalorganic decomposition. <i>Solid State Communications</i> , 2003 , 125, 469-473	1.6	2
36	Role of interfacial diffusion in SrBi ₂ Ta ₂ O ₉ thin-film capacitors. <i>Microelectronic Engineering</i> , 2003 , 66, 654-661	2.5	6
35	Growth and characterization of Al ₂ O ₃ gate dielectric films by low-pressure metalorganic chemical vapor deposition. <i>Microelectronic Engineering</i> , 2003 , 66, 842-848	2.5	18
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32	Electrical properties of chemical-solution-derived Bi _{3.54} Nd _{0.46} Ti ₃ O ₁₂ ferroelectric thin films. <i>Journal of Applied Physics</i> , 2003 , 94, 7376-7378	2.5	23
31	Ferroelectric SrBi ₂ Ta ₂ O ₉ /BiO ₂ Glass-Ceramic Thin Films in Metal/Ferroelectric/Insulator/Semiconductor Structures. <i>Physica Status Solidi A</i> , 2002 , 193, R4-R6		2
30	Fatigue study of SrBi ₂ Ta ₂ O ₉ thin films processed in forming gas. <i>Sensors and Actuators A: Physical</i> , 2002 , 99, 213-215	3.9	4
29	Time effect on the ferroelectric properties of SrBi ₂ Ta ₂ O ₉ thin films in forming gas processing. <i>Sensors and Actuators A: Physical</i> , 2002 , 99, 68-70	3.9	2
28	Different growth behavior of SrBi ₂ Ta ₂ O ₉ ferroelectric films under conventional and rapid annealing processing by metalorganic decomposition. <i>Journal of Crystal Growth</i> , 2002 , 235, 394-400	1.6	24
27	Structural and Electrical Properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ and Bi _{3.25} Pr _{0.75} Ti ₃ O ₁₂ Thin Films for Memory Applications. <i>Integrated Ferroelectrics</i> , 2002 , 45, 177-182	0.8	0
26	Characterization of SrBi ₂ Ta ₂ O ₉ films prepared by metalorganic decomposition using rapid thermal annealing. <i>Integrated Ferroelectrics</i> , 2001 , 33, 253-259	0.8	3
25	Interfacial structures and structural defects of SrBi ₂ Ta ₂ O ₉ ferroelectric thin films prepared by MOD and PLD. <i>Ferroelectrics</i> , 2001 , 259, 221-228	0.6	

24	Top electrode postanneal effect on ferroelectric properties of Pt/SrBi ₂ Ta ₂ O ₉ /Pt capacitors. <i>Ferroelectrics</i> , 2001 , 259, 339-344	0.6	
23	Extrinsic size effect on polarization switching in SrBi ₂ Ta ₂ O ₉ thin films. <i>Ferroelectrics</i> , 2001 , 260, 39-44	0.6	
22	Preparation and properties of Bi _{4-x} La _x Ti ₃ O ₁₂ thin films by chemical solution deposition. <i>Ferroelectrics</i> , 2001 , 260, 27-32	0.6	
21	Processing- and composition-dependent characteristics of chemical solution deposited Bi _{4-x} La _x Ti ₃ O ₁₂ thin films. <i>Journal of Materials Research</i> , 2001 , 16, 1325-1332	2.5	81
20	High-resolution electron microscopy investigation on stacking faults in SrBi ₂ Ta ₂ O ₉ ferroelectric thin films prepared by metalorganic deposition. <i>Ferroelectrics</i> , 2001 , 251, 139-146	0.6	
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14	Effect of excess bismuth on the microstructures and electrical properties of strontium bismuth tantalate (SBT) thin films. <i>Thin Solid Films</i> , 2000 , 375, 215-219	2.2	22
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12	Effect of uniaxial stress on the polarization of SrBi ₂ Ta ₂ O ₉ thin films. <i>Applied Physics Letters</i> , 2000 , 76, 3103-3105	3.4	22
11	Effects of processing on the characteristics of SrBi ₂ Ta ₂ O ₉ films prepared by metalorganic decomposition. <i>Journal of Applied Physics</i> , 2000 , 88, 1035-1041	2.5	21
10	Fatigue study of metalorganic-decomposition-derived SrBi ₂ Ta ₂ O ₉ thin films: The effect of partial switching. <i>Applied Physics Letters</i> , 2000 , 76, 2208-2210	3.4	43
9	Characterization of metalorganic decomposition-derived SrBi ₂ Ta ₂ O ₉ thin films with different thicknesses. <i>Journal of Applied Physics</i> , 2000 , 87, 1795-1800	2.5	30
8	Preparation and characterization of metalorganic decomposition-derived SrBi ₂ Ta ₂ O ₉ thin films. <i>Materials Letters</i> , 2000 , 44, 158-163	3.3	5
7	Ferroelectric properties of Bi _{3.25} La _{0.75} Ti ₃ O ₁₂ thin films prepared by chemical solution deposition. <i>Journal of Applied Physics</i> , 2000 , 88, 5941-5945	2.5	130

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