

Di Wu

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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
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34
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195
ext. papers

5,345
ext. citations

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avg, IF

5.57
L-index

#	Paper	IF	Citations
185	Ferroelectric-field-effect-enhanced electroresistance in metal/ferroelectric/semiconductor tunnel junctions. <i>Nature Materials</i> , 2013 , 12, 617-21	27	443
184	Out-of-Plane Piezoelectricity and Ferroelectricity in Layered In_2Se_3 Nanoflakes. <i>Nano Letters</i> , 2017 , 17, 5508-5513	11.5	317
183	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
182	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019 , 570, 87-90	50.4	206
181	Ultrathin ZnO coating for improved electrochemical performance of $\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2$ cathode material. <i>Journal of Power Sources</i> , 2014 , 266, 433-439	8.9	179
180	Ferroelectric properties of $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin films prepared by chemical solution deposition. <i>Journal of Applied Physics</i> , 2000 , 88, 5941-5945	2.5	130
179	Giant tunnelling electroresistance in metal/ferroelectric/semiconductor tunnel junctions by engineering the Schottky barrier. <i>Nature Communications</i> , 2017 , 8, 15217	17.4	115
178	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
177	Processing- and composition-dependent characteristics of chemical solution deposited $\text{Bi}_{4-x}\text{La}_x\text{Ti}_3\text{O}_{12}$ thin films. <i>Journal of Materials Research</i> , 2001 , 16, 1325-1332	2.5	81
176	Fabrication and electrical properties of sol-gel derived BaTiO_3 films with metallic LaNiO_3 electrode. <i>Applied Physics Letters</i> , 1997 , 70, 1616-1618	3.4	77
175	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
174	Thickness-Dependent Dielectric Constant of Few-Layer InBeN Nanoflakes. <i>Nano Letters</i> , 2015 , 15, 8136-40	11.5	67
173	Imaging quantum spin Hall edges in monolayer WTe_2 . <i>Science Advances</i> , 2019 , 5, eaat8799	14.3	64
172	Dielectric characterization of $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ thin films. <i>Applied Physics Letters</i> , 2004 , 84, 4505-4507	3.4	64
171	Ferroelectric Tunnel Junctions: Modulations on the Potential Barrier. <i>Advanced Materials</i> , 2020 , 32, e1904123	11.5	63
170	Mesoscale imperfections in MoS_2 atomic layers grown by a vapor transport technique. <i>Nano Letters</i> , 2014 , 14, 4682-6	11.5	63
169	Mechanism of polarization fatigue in BiFeO_3 . <i>ACS Nano</i> , 2012 , 6, 8997-9004	16.7	61

168	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
167	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
166	Co-doped titanate nanotubes. <i>Applied Physics Letters</i> , 2005 , 87, 112501	3.4	57
165	Photovoltaic property of BiFeO ₃ thin films with 109° domains. <i>Applied Physics Letters</i> , 2011 , 99, 122902	3.4	55
164	Characteristics of LaAlO ₃ gate dielectrics on Si grown by metalorganic chemical vapor deposition. <i>Applied Physics Letters</i> , 2003 , 83, 3540-3542	3.4	55
163	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
162	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
161	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
160	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
159	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
158	Thickness-dependent metal-insulator transition in epitaxial SrRuO ₃ ultrathin films. <i>Journal of Applied Physics</i> , 2015 , 117, 015307	2.5	37
157	Bipolar Resistive Switching Characteristics of HfO ₂ /TiO ₂ /HfO ₂ 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
156	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
155	Giant magnetoresistance in transition-metal-doped ZnO films. <i>Applied Physics Letters</i> , 2006 , 88, 252110	3.4	37
154	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
153	Memristive behaviors in Pt/BaTiO ₃ /Nb:SrTiO ₃ ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2014 , 105, 052910	3.4	35
152	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
151	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

150	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
149	Polarization fatigue of Pr and Mn co-substituted BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2011 , 99, 012903	3.4	32
148	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
147	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
146	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
145	Ultrafast spin current generated from an antiferromagnet. <i>Nature Physics</i> , 2021 , 17, 388-394	16.2	29
144	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
143	Temperature-dependent tunneling electroresistance in Pt/BaTiO ₃ /SrRuO ₃ ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2013 , 103, 132913	3.4	26
142	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
141	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
140	Polarization switching in quasiplanar BiFeO ₃ capacitors. <i>Applied Physics Letters</i> , 2010 , 97, 062910	3.4	25
139	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
138	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
137	Preparation of (Ba _{0.5} Sr _{0.5})TiO ₃ thin films by sol-gel method with rapid thermal annealing. <i>Applied Surface Science</i> , 2000 , 165, 309-314	6.7	24
136	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
135	Observation of spin-orbit magnetoresistance in metallic thin films on magnetic insulators. <i>Science Advances</i> , 2018 , 4, eaao3318	14.3	23
134	The metallic interface between insulating NdGaO ₃ and SrTiO ₃ perovskites. <i>Applied Physics Letters</i> , 2013 , 103, 201602	3.4	23
133	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

132	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
131	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
130	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
129	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
128	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
127	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
126	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
125	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
124	Tuning the polarization state of light via time retardation with a microstructured surface. <i>Physical Review B</i> , 2013 , 88,	3.3	19
123	TiON Modified TiO ₂ Powders Prepared by Plasma Enhanced Atomic Layer Deposition for Highly Visible Light Photocatalysis. <i>Scientific Reports</i> , 2018 , 8, 12131	4.9	18
122	Fabrication and electrical properties of sol-gel derived (BaSr)TiO ₃ thin films with metallic LaNiO ₃ electrode. <i>Thin Solid Films</i> , 1998 , 336, 172-175	2.2	18
121	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
120	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
119	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
118	Spin-Filtering Ferroelectric Tunnel Junctions as Multiferroic Synapses for Neuromorphic Computing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56300-56309	9.5	16
117	Atomic layer deposition of ZnO/TiO ₂ nanolaminates as ultra-long life anode material for lithium-ion batteries. <i>Scientific Reports</i> , 2019 , 9, 11526	4.9	16
116	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
115	Improved memory functions in multiferroic tunnel junctions with a dielectric/ferroelectric composite barrier. <i>Applied Physics Letters</i> , 2015 , 107, 232902	3.4	16

114	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
113	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
112	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
111	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
110	Anomalous Hall effect in Co/Ni multilayers with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2014 , 104, 082404	3.4	14
109	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
108	Electromechanical Response from LaAlO ₃ /SrTiO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10146-51	9.5	13
107	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
106	Ferroelectric properties of bilayer structured Pb(Zr _{0.52} Ti _{0.48})O ₃ /SrBi ₂ Ta ₂ O 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
105	Four-state non-volatile memory in a multiferroic spin filter tunnel junction. <i>Applied Physics Letters</i> , 2016 , 109, 252903	3.4	13
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	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
102	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
101	Recent advances in spin transport in organic semiconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 142-150	3.6	11
100	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
99	Characteristics of metal-ferroelectric-insulator-semiconductor structure using La-modified Bi ₄ Ti ₃ O ₁₂ as the ferroelectric layer. <i>Microelectronic Engineering</i> , 2003 , 66, 773-778	2.5	11
98	Raman spectroscopy and X-ray diffraction study of sol-gel derived (Pb _{1-x} Lax)Ti _{1-x/4} O ₃ thin films on Si substrates. <i>Thin Solid Films</i> , 1998 , 322, 323-328	2.2	10
97	Low-temperature electrical characteristics of Bi _{3.15} Nd _{0.85} Ti ₃ O ₁₂ thin films. <i>Applied Physics Letters</i> , 2007 , 90, 062902	3.4	10

96	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
95	Enhancing magnetoresistance in tetrathiafulvalene carboxylate modified iron oxide nanoparticle assemblies. <i>Nanoscale</i> , 2016 , 8, 12128-33	7.7	9
94	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
93	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
92	High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , 2017 , 110, 171602	3.4	8
91	Interfacial structure in epitaxial perovskite oxides on (001) Ge crystal. <i>Applied Physics Letters</i> , 2015 , 106, 032903	3.4	8
90	Periodic magnetic domains in single-crystalline cobalt filament arrays. <i>Physical Review B</i> , 2016 , 93,	3.3	8
89	Room temperature aging behavior of thermally imprinted Pt/SrBi ₂ Ta ₂ O ₉ /Pt ferroelectric thin film capacitors. <i>Journal of Applied Physics</i> , 2001 , 90, 4130-4133	2.5	8
88	Raman spectroscopy and x-ray diffraction study of PbTiO ₃ thin films prepared by sol-gel technique. <i>Journal of Applied Physics</i> , 1999 , 85, 2146-2150	2.5	8
87	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
86	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
85	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
84	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
83	Interfacial, Electrical, and Band Alignment Characteristics of HfO ₂ /Ge Stacks with In Situ-Formed SiO ₂ Interlayer by Plasma-Enhanced Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , 2017 , 12, 370	5	7
82	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
81	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
80	Bipolar resistive switching in BiFe _{0.95} Zn _{0.05} O ₃ films. <i>Chinese Physics B</i> , 2013 , 22, 107702	1.2	7
79	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

78	Atomic-scale fatigue mechanism of ferroelectric tunnel junctions. <i>Science Advances</i> , 2021 , 7, eabh2716	14.3	7
77	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
76	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
75	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
74	Polarization offsets of compositionally graded Nd-substituted Bi ₄ Ti ₃ O ₁₂ ferroelectric thin films. <i>Applied Physics Letters</i> , 2008 , 93, 062904	3.4	6
73	Fatigue characteristics of Nd-substituted Bi ₄ Ti ₃ O ₁₂ ferroelectric thin films at elevated temperatures. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 122003	3	6
72	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
71	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
70	Structure and electrical properties of SrBi ₂ Ta ₂ O ₉ thin films annealed in different atmosphere. <i>Materials Letters</i> , 2001 , 49, 303-307	3.3	6
69	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
68	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
67	Preparation and characterization of a flexible ferroelectric tunnel junction. <i>Applied Physics Letters</i> , 2020 , 116, 222904	3.4	5
66	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
65	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
64	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
63	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
62	Impact of forming gas annealing on the fatigue characteristics of ferroelectric SrBi ₂ Ta ₂ O ₉ thin films. <i>Applied Physics Letters</i> , 2001 , 79, 2237-2239	3.4	5
61	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

60	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
59	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
58	Ferroelectric modulation on resonant tunneling through perovskite double-barriers. <i>Applied Physics Letters</i> , 2014 , 104, 142907	3.4	4
57	TiAlO nanocrystal charge trapping memory cells fabricated by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 563, 6-9	2.2	4
56	Characteristics of Gd ₂ LaxO ₃ high-k films by metal-organic chemical vapor deposition. <i>Microelectronic Engineering</i> , 2012 , 94, 38-43	2.5	4
55	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
54	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
53	Forming gas annealing effects on the microstructure and ferroelectricity of SrBi ₂ Ta ₂ O ₉ thin films prepared by metalorganic decomposition. <i>Integrated Ferroelectrics</i> , 2000 , 31, 333-339	0.8	4
52	Dual-Design of Nanoporous to Compact Interface via Atomic/Molecular Layer Deposition Enabling a Long-Life Silicon Anode. <i>Advanced Functional Materials</i> , 2109682	15.6	4
51	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
50	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
49	Spectroscopy of self-assembled one-dimensional atomic string: The role of step edge. <i>Applied Physics Letters</i> , 2013 , 103, 081608	3.4	3
48	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
47	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
46	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
45	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
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31	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. <i>Advanced Materials</i> , 2021 , e2105778	2.4	2
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