

Ramamoorthy Ramesh

List of Publications by Year in descending order

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331
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docs citations

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#	ARTICLE	IF	CITATIONS
1	Epitaxial BiFeO ₃ Multiferroic Thin Film Heterostructures. <i>Science</i> , 2003, 299, 1719-1722.	6.0	5,548
2	Thousandfold Change in Resistivity in Magnetoresistive La-Ca-Mn-O Films. <i>Science</i> , 1994, 264, 413-415.	6.0	4,552
3	Multiferroics: progress and prospects in thin films. <i>Nature Materials</i> , 2007, 6, 21-29.	13.3	3,543
4	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004, 303, 661-663.	6.0	2,051
5	Above-bandgap voltages from ferroelectric photovoltaic devices. <i>Nature Nanotechnology</i> , 2010, 5, 143-147.	15.6	1,496
6	Conduction at domain walls in oxide multiferroics. <i>Nature Materials</i> , 2009, 8, 229-234.	13.3	1,212
7	Electrical control of antiferromagnetic domains in multiferroic BiFeO ₃ films at room temperature. <i>Nature Materials</i> , 2006, 5, 823-829.	13.3	1,160
8	Advances in magnetoelectric multiferroics. <i>Nature Materials</i> , 2019, 18, 203-212.	13.3	1,084
9	A Strain-Driven Morphotropic Phase Boundary in BiFeO ₃ . <i>Science</i> , 2009, 326, 977-980.	6.0	1,065
10	Domain wall nanoelectronics. <i>Reviews of Modern Physics</i> , 2012, 84, 119-156.	16.4	1,018
11	Observation of polar vortices in oxide superlattices. <i>Nature</i> , 2016, 530, 198-201.	13.7	682
12	Reversible electric control of exchange bias in a multiferroic field-effect device. <i>Nature Materials</i> , 2010, 9, 756-761.	13.3	633
13	Negative capacitance in a ferroelectric capacitor. <i>Nature Materials</i> , 2015, 14, 182-186.	13.3	611
14	Deterministic switching of ferromagnetism at room temperature using an electric field. <i>Nature</i> , 2014, 516, 370-373.	13.7	570
15	Ferroelectric Field Effect Transistor Based on Epitaxial Perovskite Heterostructures. <i>Science</i> , 1997, 276, 238-240.	6.0	566
16	Dramatically enhanced polarization in (001), (101), and (111) BiFeO ₃ thin films due to epitaxial-induced transitions. <i>Applied Physics Letters</i> , 2004, 84, 5261-5263.	1.5	558
17	Room-temperature antiferromagnetic memory resistor. <i>Nature Materials</i> , 2014, 13, 367-374.	13.3	546
18	Dynamics of ferroelastic domains in ferroelectric thin films. <i>Nature Materials</i> , 2003, 2, 43-47.	13.3	503

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19	Leakage mechanisms in BiFeO ₃ thin films. Applied Physics Letters, 2007, 90, 072902.	1.5	501
20	Enhanced ferroelectricity in ultrathin films grown directly on silicon. Nature, 2020, 580, 478-482.	13.7	486
21	Scalable energy-efficient magnetoelectric spin-orbit logic. Nature, 2019, 565, 35-42.	13.7	480
22	Photovoltaic effects in BiFeO ₃ . Applied Physics Letters, 2009, 95, .	1.5	460
23	Photoconductivity in BiFeO ₃ thin films. Applied Physics Letters, 2008, 92, .	1.5	447
24	Electric Field-Induced Magnetization Switching in Epitaxial Columnar Nanostructures. Nano Letters, 2005, 5, 1793-1796.	4.5	426
25	Observation of room-temperature polar skyrmions. Nature, 2019, 568, 368-372.	13.7	417
26	Ferroelastic switching for nanoscale non-volatile magnetoelectric devices. Nature Materials, 2010, 9, 309-314.	13.3	407
27	Crossover from incoherent to coherent phonon scattering in epitaxial oxide superlattices. Nature Materials, 2014, 13, 168-172.	13.3	399
28	Giant Piezoelectricity on Si for Hyperactive MEMS. Science, 2011, 334, 958-961.	6.0	394
29	Elastic strain engineering of ferroic oxides. MRS Bulletin, 2014, 39, 118-130.	1.7	379
30	Critical thickness and orbital ordering in ultrathin $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. Physical Review B, 2008, 78, .	11.1	379
31	Optical band gap of BiFeO ₃ grown by molecular-beam epitaxy. Applied Physics Letters, 2008, 92, .	1.5	345
32	Enhanced electric conductivity at ferroelectric vortex cores in BiFeO ₃ . Nature Physics, 2012, 8, 81-88.	6.5	324
33	Electric Field Control of Nonvolatile Magnetization in $\text{Co}_{40}\text{Fe}_{20}\text{B}_{20}\text{Pb}_{20}$		

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37	Nanoscale Control of Exchange Bias with BiFeO ₃ Thin Films. Nano Letters, 2008, 8, 2050-2055.	4.5	270
38	The 2016 oxide electronic materials and oxide interfaces roadmap. Journal Physics D: Applied Physics, 2016, 49, 433001.	1.3	266
39	Nanoscale Domain Control in Multiferroic BiFeO ₃ Thin Films. Advanced Materials, 2006, 18, 2307-2311.	11.1	262
40	Ultrafast polarization switching in thin-film ferroelectrics. Applied Physics Letters, 2004, 84, 1174-1176.	1.5	261
41	Experimental evidence of ferroelectric negative capacitance in nanoscale heterostructures. Applied Physics Letters, 2011, 99, .	1.5	256
42	Electroresistance and Electronic Phase Separation in Mixed-Valent Manganites. Physical Review Letters, 2001, 86, 5998-6001.	2.9	255
43	Epitaxial BiFeO ₃ thin films on Si. Applied Physics Letters, 2004, 85, 2574-2576.	1.5	249
44	Domain Control in Multiferroic BiFeO ₃ through Substrate Vicinality. Advanced Materials, 2007, 19, 2662-2666.	11.1	245
45	Spatially resolved steady-state negative capacitance. Nature, 2019, 565, 468-471.	13.7	245
46	Dielectric properties in heteroepitaxial Ba _{0.6} Sr _{0.4} TiO ₃ thin films: Effect of internal stresses and dislocation-type defects. Applied Physics Letters, 2000, 77, 1695-1697.	1.5	237
47	Electric field control of magnetism using BiFeO ₃ -based heterostructures. Applied Physics Reviews, 2014, 1, 021303.	5.5	234
48	Metalorganic chemical vapor deposition of lead-free ferroelectric BiFeO ₃ films for memory applications. Applied Physics Letters, 2005, 87, 102903.	1.5	231
49	Dynamic Conductivity of Ferroelectric Domain Walls in BiFeO ₃ . Nano Letters, 2011, 11, 1906-1912.	4.5	223
50	Linear and nonlinear optical properties of BiFeO ₃ . Applied Physics Letters, 2008, 92, .	1.5	213
51	Interface control of bulk ferroelectric polarization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9710-9715.	3.3	212
52	Multiferroic BiFeO ₃ films: domain structure and polarization dynamics. Phase Transitions, 2006, 79, 991-1017.	0.6	202
53	Negative Capacitance in Short-Channel FinFETs Externally Connected to an Epitaxial Ferroelectric Capacitor. IEEE Electron Device Letters, 2016, 37, 111-114.	2.2	198
54	Magnetization reversal in nucleation controlled magnets. II. Effect of grain size and size distribution on intrinsic coercivity of FeNdB magnets. Journal of Applied Physics, 1988, 64, 6416-6423.	1.1	182

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55	Ferroelectric size effects in multiferroic BiFeO ₃ thin films. Applied Physics Letters, 2007, 90, 252906.	1.5	180
56	Built-in and induced polarization across LaAlO ₃ /SrTiO ₃ heterojunctions. Nature Physics, 2011, 7, 80-86.	6.5	178
57	Creating emergent phenomena in oxide superlattices. Nature Reviews Materials, 2019, 4, 257-268.	23.3	174
58	Can interface dislocations degrade ferroelectric properties?. Applied Physics Letters, 2004, 85, 2044-2046.	1.5	165
59	Phase coexistence and electric-field control of toroidal order in oxide superlattices. Nature Materials, 2017, 16, 1003-1009.	13.3	159
60	Scaling of ferroelectric properties in thin films. Applied Physics Letters, 1999, 75, 409-411.	1.5	157
61	Single crystal functional oxides on silicon. Nature Communications, 2016, 7, 10547.	5.8	156
62	Large resistivity modulation in mixed-phase metallic systems. Nature Communications, 2015, 6, 5959.	5.8	154
63	Optical properties of quasi-tetragonal BiFeO ₃ thin films. Applied Physics Letters, 2010, 96, .	1.5	153
64	Mapping Octahedral Tilts and Polarization Across a Domain Wall in BiFeO ₃ from Z-Contrast Scanning Transmission Electron Microscopy Image Atomic Column Shape Analysis. ACS Nano, 2010, 4, 6071-6079.	7.3	150
65	Optical properties and magneto-chromism in multiferroic BiFeO_3 Physical Review B, 2009, 79, .	1.1	149
66	Thickness dependence of structural and electrical properties in epitaxial lead zirconate titanate films. Journal of Applied Physics, 1999, 86, 595-602.	1.1	144
67	Anisotropic magnetoresistance in an antiferromagnetic semiconductor. Nature Communications, 2014, 5, 4671.	5.8	136
68	Ferroelastic domain switching dynamics under electrical and mechanical excitations. Nature Communications, 2014, 5, 3801.	5.8	135
69	Ferroelectrically Gated Atomically Thin Transition-Metal Dichalcogenides as Nonvolatile Memory. Advanced Materials, 2016, 28, 2923-2930.	11.1	134
70	Magnetization reversal in nucleation controlled magnets. I. Theory. Journal of Applied Physics, 1988, 64, 6406-6415.	1.1	133
71	MATERIALS SCIENCE: Orienting Ferroelectric Films. Science, 2002, 296, 1975-1976.	6.0	133
72	Three-dimensional heteroepitaxy in self-assembled BaTiO ₃ /CoFe ₂ O ₄ nanostructures. Applied Physics Letters, 2004, 85, 2035-2037.	1.5	132

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73	Magnetotransport at Domain Walls in BiFeO_3 . Physical Review Letters, 2012, 108, 067203.	2.9	131
74	Stability of Polar Vortex Lattice in Ferroelectric Superlattices. Nano Letters, 2017, 17, 2246-2252.	4.5	131
75	Misfit dislocations in nanoscale ferroelectric heterostructures. Applied Physics Letters, 2005, 86, 192910.	1.5	130
76	Alignment of defect dipoles in polycrystalline ferroelectrics. Applied Physics Letters, 1995, 67, 1689-1691.	1.5	124
77	Room-Temperature Negative Capacitance in a Ferroelectric Dielectric Superlattice Heterostructure. Nano Letters, 2014, 14, 5814-5819.	4.5	123
78	Thickness dependence of structural and piezoelectric properties of epitaxial $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ films on Si and SrTiO_3 substrates. Applied Physics Letters, 2006, 88, 142904.	1.5	122
79	Structure and interface chemistry of perovskite-spinel nanocomposite thin films. Applied Physics Letters, 2006, 89, 172902.	1.5	122
80	Dependence of dielectric properties on internal stresses in epitaxial barium strontium titanate thin films. Applied Physics Letters, 2001, 78, 2354-2356.	1.5	121
81	Emergent chirality in the electric polarization texture of titanate superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 915-920.	3.3	121
82	Polarization switching in epitaxial BiFeO_3 films. Applied Physics Letters, 2005, 87, 252902.	1.5	118
83	Two-phonon coupling to the antiferromagnetic phase transition in multiferroic BiFeO_3 . Applied Physics Letters, 2008, 92, .	1.5	116
84	Effect of substrate-induced strains on the spontaneous polarization of epitaxial BiFeO_3 thin films. Journal of Applied Physics, 2007, 101, 114105.	1.1	113
85	Universal Ti-rich termination of atomically flat SrTiO_3 (001), (110), and (111) surfaces. Applied Physics Letters, 2011, 98, .	1.5	112
86	Tunable room-temperature spin-selective optical Stark effect in solution-processed layered halide perovskites. Science Advances, 2016, 2, e1600477.	4.7	112
87	Self-assembled multiferroic nanostructures in the $\text{CoFe}_2\text{O}_4\text{-PbTiO}_3$ system. Applied Physics Letters, 2005, 87, 072909.	1.5	109
88	Atomic-scale control of magnetic anisotropy via novel spin-orbit coupling effect in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3/\text{SrIrO}_3$ superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6397-6402.	3.3	108
89	Ultrathin ferroic $\text{HfO}_2/\text{ZrO}_2$ superlattice gate stack for advanced transistors. Nature, 2022, 604, 65-71.	13.7	108
90	Influence of contact electrodes on leakage characteristics in ferroelectric thin films. Journal of Applied Physics, 2001, 90, 375-382.	1.1	107

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91	Ferroelectric domain structure in epitaxial BiFeO ₃ films. Applied Physics Letters, 2005, 87, 182912.	1.5	107
92	Epitaxial (001) BiFeO ₃ membranes with substantially reduced fatigue and leakage. Applied Physics Letters, 2008, 92, 062910.	1.5	107
93	Room temperature exchange bias and spin valves based on BiFeO ₃ /SrRuO ₃ /SrTiO ₃ /Si (001) heterostructures. Applied Physics Letters, 2007, 91, .	1.5	105
94	Optical creation of a supercrystal with three-dimensional nanoscale periodicity. Nature Materials, 2019, 18, 377-383.	13.3	105
95	Role of substrate on the dielectric and piezoelectric behavior of epitaxial lead magnesium niobate-lead titanate relaxor thin films. Applied Physics Letters, 2000, 77, 438-440.	1.5	103
96	Low voltage performance of epitaxial BiFeO ₃ films on Si substrates through lanthanum substitution. Applied Physics Letters, 2008, 92, .	1.5	103
97	Orthorhombic BiFeO_3 thin films. Physical Review Letters, 2012, 109, 247606.	2.9	100
98	Ferroelastic switching in a layered-perovskite thin film. Nature Communications, 2016, 7, 10636.	5.8	97
99	Effect of mechanical constraint on the dielectric and piezoelectric behavior of epitaxial Pb(Mg _{1/3} Nb _{2/3})O ₃ (90%)/PbTiO ₃ (10%) relaxor thin films. Applied Physics Letters, 1999, 75, 4183-4185.	1.5	96
100	Tuning the Competition between Ferromagnetism and Antiferromagnetism in a Half-Doped Manganite through Magnetoelectric Coupling. Physical Review Letters, 2013, 111, 127601.	2.9	93
101	Quantification of flexoelectricity in PbTiO ₃ /SrTiO ₃ superlattice polar vortices using machine learning and phase-field modeling. Nature Communications, 2017, 8, 1468.	5.8	93
102	Large kinetic asymmetry in the metal-insulator transition nucleated at localized and extended defects. Physical Review B, 2011, 83, .	1.1	92
103	Adsorption-controlled molecular-beam epitaxial growth of BiFeO ₃ . Applied Physics Letters, 2007, 91, .	1.5	91
104	Configurable topological textures in strain graded ferroelectric nanoplates. Nature Communications, 2018, 9, 403.	5.8	91
105	On the grain boundary phase in iron rare earth boron magnets. Journal of Applied Physics, 1987, 61, 2993-2998.	1.1	90
106	POINT DEFECT CHEMISTRY OF METAL OXIDE HETEROSTRUCTURES. Annual Review of Materials Research, 1998, 28, 463-499.	5.5	88
107	Full Electroresistance Modulation in a Mixed-Phase Metallic Alloy. Physical Review Letters, 2016, 116, 097203.	2.9	88
108	Effect of the electrode layer on the polydomain structure of epitaxial PbZr _{0.2} Ti _{0.8} O ₃ thin films. Journal of Applied Physics, 1999, 85, 3271-3277.	1.1	86

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109	Local negative permittivity and topological phase transition in polar skyrmions. Nature Materials, 2021, 20, 194-201.	13.3	86
110	Three-domain architecture of stress-free epitaxial ferroelectric films. Journal of Applied Physics, 2001, 89, 553-556.	1.1	85
111	Probing electric field control of magnetism using ferromagnetic resonance. Nature Communications, 2015, 6, 6082.	5.8	85
112	Domain nucleation and relaxation kinetics in ferroelectric thin films. Applied Physics Letters, 2000, 77, 3275-3277.	1.5	81
113	Direct Observation of Capacitor Switching Using Planar Electrodes. Advanced Functional Materials, 2010, 20, 3466-3475.	7.8	81
114	Direct hysteresis measurements of single nanosized ferroelectric capacitors contacted with an atomic force microscope. Applied Physics Letters, 2001, 79, 3678-3680.	1.5	77
115	High Speed Epitaxial Perovskite Memory on Flexible Substrates. Advanced Materials, 2017, 29, 1605699.	11.1	74
116	Itinerant ferromagnetism in van der Waals Fe_5X_2 crystals above room temperature. Physical Review B, 2020, 102, .	1.1	74
117	Copper alloyed ZnS as a type transparent conducting material. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2101-2107.	0.8	73
118	Atomically Defined Rare Earth Scandate Crystal Surfaces. Advanced Functional Materials, 2010, 20, 3490-3496.	7.8	72
119	Ultrathin limit and dead-layer effects in local polarization switching of BiFeO_3 . Physical Review B, 2012, 85, .	1.1	71
120	Finite element modeling of piezoresponse in nanostructured ferroelectric films. Applied Physics Letters, 2004, 84, 2626-2628.	1.5	70
121	Computer simulation of ferroelectric domain structures in epitaxial BiFeO_3 thin films. Journal of Applied Physics, 2008, 103, .	1.1	70
122	Tunable band gap in $\text{Bi}(\text{Fe}_{1-x}\text{Mn}_x)\text{O}_3$ films. Applied Physics Letters, 2010, 96, .	1.5	70
123	Probing the evolution of antiferromagnetism in multiferroics. Physical Review B, 2010, 81, .	1.1	70
124	Epitaxy-distorted spin-orbit Mott insulator in Sr_2IrO_4 thin films. Physical Review B, 2013, 87, .	1.1	70
125	Multifunctional, self-assembled oxide nanocomposite thin films and devices. MRS Bulletin, 2015, 40, 736-745.	1.7	70
126	Exchange bias due to coupling between coexisting antiferromagnetic and spin-glass orders. Nature Physics, 2021, 17, 525-530.	6.5	70

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127	Epitaxial integration of (0001) BiFeO ₃ with (0001) GaN. Applied Physics Letters, 2007, 90, 172908.	1.5	69
128	High speed piezoresponse force microscopy: <1 frame per second nanoscale imaging. Applied Physics Letters, 2008, 93, .	1.5	69
129	Strain-induced nonsymmorphic symmetry breaking and removal of Dirac semimetallic nodal line in an orthoperovskite iridate. Physical Review B, 2016, 93, .	1.1	67
130	Ferroelectric domain wall pinning at a bicrystal grain boundary in bismuth ferrite. Applied Physics Letters, 2008, 93, .	1.5	66
131	Subterahertz collective dynamics of polar vortices. Nature, 2021, 592, 376-380.	13.7	66
132	Unraveling Deterministic Mesoscopic Polarization Switching Mechanisms: Spatially Resolved Studies of a Tilt Grain Boundary in Bismuth Ferrite. Advanced Functional Materials, 2009, 19, 2053-2063.	7.8	65
133	Orientation-dependent potential barriers in case of epitaxial Ptâ€“BiFeO ₃ â€“SrRuO ₃ capacitors. Applied Physics Letters, 2009, 94, .	1.5	63
134	Engineering of Selfâ€“Assembled Domain Architectures with Ultraâ€“High Piezoelectric Response in Epitaxial Ferroelectric Films. Advanced Functional Materials, 2007, 17, 2094-2100.	7.8	61
135	Quantitative determination of anisotropic magnetoelectric coupling in BiFeO ₃ â€“CoFe ₂ O ₄ nanostructures. Applied Physics Letters, 2010, 97, .	1.5	61
136	Induced Magnetization in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ thin films. Physical Review Letters, 2014, 113, 047204.	19.7	59
137	Thermal conductivity as a metric for the crystalline quality of SrTiO ₃ epitaxial layers. Applied Physics Letters, 2011, 98, 221904.	1.5	58
138	Beyond Substrates: Strain Engineering of Ferroelectric Membranes. Advanced Materials, 2020, 32, e2003780.	11.1	58
139	Watching domains grow: <i>In-situ</i> studies of polarization switching by combined scanning probe and scanning transmission electron microscopy. Journal of Applied Physics, 2011, 110, .	1.1	57
140	Interface dipole between two metallic oxides caused by localized oxygen vacancies. Physical Review B, 2012, 86, .	1.1	56
141	Formation of 90° elastic domains during local 180° switching in epitaxial ferroelectric thin films. Applied Physics Letters, 2004, 84, 254-256.	1.5	55
142	Room-temperature skyrmion lattice in a layered magnet (Fe _{0.5} Co _{0.5}) ₅ GeTe ₂ . Science Advances, 2022, 8, eabm7103.	4.7	55
143	Anomalously large measured thermoelectric power factor in Sr _{1-x} La _x TiO ₃ thin films due to SrTiO ₃ substrate reduction. Applied Physics Letters, 2008, 92, 202113.	1.5	54
144	Domain wall functionality in BiFeO ₃ . Phase Transitions, 2013, 86, 53-66.	0.6	54

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145	+Capacitance-voltage characteristics of BiFeO ₃ •SrTiO ₃ •GaN heteroepitaxial structures. Applied Physics Letters, 2007, 91, .	1.5	53
146	Electrically reversible cracks in an intermetallic film controlled by an electric field. Nature Communications, 2018, 9, 41.	5.8	53
147	Tailoring Magnetoelectric Coupling in BiFeO ₃ /La _{0.7} Sr _{0.3} MnO ₃ Heterostructure through the Interface Engineering. Advanced Materials, 2019, 31, e1806335.	11.1	53
148	The dependence of oxygen vacancy distributions in BiFeO ₃ films on oxygen pressure and substrate. Applied Physics Letters, 2009, 95, .	1.5	52
149	Voltage control of unidirectional anisotropy in ferromagnet-multiferroic system. Science Advances, 2018, 4, eaat4229.	4.7	52
150	Thickness scaling of ferroelectricity in BiFeO ₃ by tomographic atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2413-2418.	3.3	52
151	Oxide electrodes as barriers to hydrogen damage of Pb(Zr,Ti)O ₃ -based ferroelectric capacitors. Applied Physics Letters, 1999, 74, 3023-3025.	1.5	51
152	Activation field of ferroelectric (Pb,La)(Zr,Ti)O ₃ thin film capacitors. Applied Physics Letters, 1997, 71, 2211-2213.	1.5	50
153	Epitaxial Multiferroic BiFeO ₃ Thin Films: Progress and Future Directions. Ferroelectrics, 2007, 354, 167-177.	0.3	46
154	An Epitaxial Transparent Conducting Perovskite Oxide: Double-Doped SrTiO ₃ . Chemistry of Materials, 2010, 22, 3983-3987.	3.2	46
155	Ultralow Voltage Manipulation of Ferromagnetism. Advanced Materials, 2020, 32, e2001943.	11.1	44
156	Probing ferroelectricity in $\text{PbZr}_{0.2}\text{Pb}_{0.8}\text{TiO}_3$ polarized soft x rays. Physical Review B, 2010, 82, .		
157	Manipulating magnetoelectric energy landscape in multiferroics. Nature Communications, 2020, 11, 2836.	5.8	42
158	Pervasive beyond Room-Temperature Ferromagnetism in a Doped van der Waals Magnet. Physical Review Letters, 2022, 128, .	2.9	42
159	Probing mixed tetragonal/rhombohedral-like monoclinic phases in strained bismuth ferrite films by optical second harmonic generation. Applied Physics Letters, 2010, 97, 112903.	1.5	41
160	Switching kinetics in epitaxial BiFeO ₃ thin films. Journal of Applied Physics, 2010, 107, .	1.1	41
161	Complex strain evolution of polar and magnetic order in multiferroic BiFeO ₃ thin films. Nature Communications, 2018, 9, 3764.	5.8	40
162	Emergent interface vibrational structure of oxide superlattices. Nature, 2022, 601, 556-561.	13.7	40

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181	Defect microstructures in epitaxial PbZr _{0.2} Ti _{0.8} O ₃ films grown on (001) SrTiO ₃ by pulsed laser deposition. Journal of Materials Science, 2006, 41, 697-707.	1.7	34
182	Planar electrode piezoelectric force microscopy to study electric polarization switching in BiFeO ₃ . Applied Physics Letters, 2007, 90, 202909.	1.5	34
183	Vortex Domain Walls in Ferroelectrics. Nano Letters, 2021, 21, 3533-3539.	4.5	34
184	Study of Microstructure in SrTiO ₃ /Si by High-resolution Transmission Electron Microscopy. Journal of Materials Research, 2002, 17, 204-213.	1.2	33
185	Materials science and integration bases for fabrication of (Ba _x Sr _{1-x})TiO ₃ thin film capacitors with layered Cu-based electrodes. Journal of Applied Physics, 2003, 94, 6192-6200.	1.1	33
186	Electric-Field Induced Reversible Switching of the Magnetic Easy Axis in Co/BiFeO ₃ on SrTiO ₃ . Nano Letters, 2017, 17, 2825-2832.	4.5	33
187	Novel Spin-Orbit Torque Generation at Room Temperature in an All-Oxide Epitaxial La _{0.7} Sr _{0.3} MnO ₃ /SrIrO ₃ System. Advanced Materials, 2021, 33, e2008269.	11.1	32
188	Large Tunnel Electroresistance with Ultrathin Hf _{0.5} Zr _{0.5} O ₂ Ferroelectric Tunnel Barriers. Advanced Electronic Materials, 2021, 7, 2001074.	2.6	32
189	Low voltage performance of Pb(Zr,Ti)O ₃ capacitors through donor doping. Applied Physics Letters, 1997, 71, 3578-3580.	1.5	30
190	Layered Cu-based electrode for high-dielectric constant oxide thin film-based devices. Applied Physics Letters, 2003, 82, 1452-1454.	1.5	30
191	Are strain-induced effects truly strain induced? A comprehensive study of strained LCMO thin films. Journal of Applied Physics, 2005, 97, 10C102.	1.1	30
192	Phenomenological analysis of domain width in rhombohedral BiFeO_3 Physical Review B, 2009, 80, .	1.1	29
193	Self-assembled vertical heteroepitaxial nanostructures: from growth to functionalities. MRS Communications, 2014, 4, 31-44.	0.8	29
194	Revealing the hidden structural phases of FeRh. Physical Review B, 2016, 94, .	1.1	29
195	Electric field control of ferromagnetism using multi-ferroics: the bismuth ferrite story. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120437.	1.6	28
196	Perspective: Emergent topologies in oxide superlattices. APL Materials, 2018, 6, 100901.	2.2	28
197	Enabling ultra-low-voltage switching in BaTiO ₃ . Nature Materials, 2022, 21, 779-785.	13.3	28
198	Voltage-dependent ferromagnetic resonance in epitaxial multiferroic nanocomposites. Applied Physics Letters, 2010, 96, .	1.5	27

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199	Antiferromagnetic switching driven by the collective dynamics of a coexisting spin glass. Science Advances, 2021, 7, .	4.7	27
200	Ordering in (La,Sr)(Al,Ta)O ₃ substrates. Journal of Materials Research, 2003, 18, 1698-1704.	1.2	26
201	Epitaxial Ferroelectric Hf _{0.5} Zr _{0.5} O ₂ with Metallic Pyrochlore Oxide Electrodes. Advanced Materials, 2021, 33, e2006089.	11.1	26
202	Effect of 90° domain movement on the piezoelectric response of patterned PbZr _{0.2} Ti _{0.8} O ₃ •SrTiO ₃ •Si heterostructures. Applied Physics Letters, 2005, 87, 072907.	1.5	25
203	Hidden Magnetic States Emergent Under Electric Field, In A Room Temperature Composite Magnetolectric Multiferroic. Scientific Reports, 2017, 7, 15460.	1.6	25
204	Defect-Enhanced Polarization Switching in the Improper Ferroelectric LuFeO ₃ . Advanced Materials, 2020, 32, e2000508.	11.1	25
205	The role of lattice dynamics in ferroelectric switching. Nature Communications, 2022, 13, 1110.	5.8	25
206	Linear and nonlinear optical properties of multifunctional PbVO ₃ thin films. Applied Physics Letters, 2008, 92, .	1.5	24
207	Nanoscale Probing of High Photovoltages at 109° Domain Walls. Ferroelectrics, 2012, 433, 123-126.	0.3	24
208	Erbium-implanted materials for quantum communication applications. Physical Review B, 2022, 105, .	1.1	24
209	Interface Characterization of All-Perovskite Oxide Field Effect Heterostructures. , 2002, 8, 233-241.		22
210	Electric-field control of spin dynamics during magnetic phase transitions. Science Advances, 2020, 6, .	4.7	22
211	Unexpected Giant Microwave Conductivity in a Nominally Silent BiFeO ₃ Domain Wall. Advanced Materials, 2020, 32, 1905132.	11.1	22
212	Magnetic imaging of perovskite thin films by ferromagnetic resonance microscopy”La _{0.7} Sr _{0.3} MnO ₃ . Applied Physics Letters, 1999, 75, 1947-1948.	1.5	21
213	Ultrafast collective oxygen-vacancy flow in Ca-doped BiFeO ₃ . NPG Asia Materials, 2018, 10, 943-955.	3.8	21
214	Electric field control of magnetism. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	21
215	A room temperature polar magnetic metal. Physical Review Materials, 2022, 6, .	0.9	21
216	Suppression of martensitic phase transition at the Ni ₂ MnGa film surface. Applied Physics Letters, 2008, 93, 022501.	1.5	20

#	ARTICLE	IF	CITATIONS
217	Adsorption-Controlled Growth of BiFeO ₃ by MBE and Integration with Wide Band Gap Semiconductors. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1528-1533.	1.7	20
218	Dynamic in situ observation of voltage-driven repeatable magnetization reversal at room temperature. Scientific Reports, 2016, 6, 23696.	1.6	20
219	Phonon-induced near-field resonances in multiferroic BiFeO ₃ thin films at infrared and THz wavelengths. Applied Physics Letters, 2020, 116, 071103.	1.5	20
220	Epitaxially induced high temperature (>900K) cubic-tetragonal structural phase transition in BaTiO ₃ thin films. Applied Physics Letters, 2004, 85, 4109-4111.	1.5	19
221	Simultaneous imaging of the ferromagnetic and ferroelectric structure in multiferroic heterostructures. APL Materials, 2014, 2, 076109.	2.2	19
222	Direct spectroscopic evidence of charge reversal at the Pb(Zr _{0.2} Ti _{0.8})O ₃ /La _{0.7} Sr _{0.3} MnO ₃ heterointerface. Physical Review B, 2011, 83, .	1.1	18
223	BiFeO ₃ /La _{0.7} Sr _{0.3} MnO ₃ heterostructures deposited on spark plasma sintered LaAlO ₃ substrates. Applied Physics Letters, 2014, 104, 082914.	1.5	18
224	Electrically induced, non-volatile, metal insulator transition in a ferroelectric-controlled MoS ₂ transistor. Applied Physics Letters, 2018, 112, .	1.5	18
225	Liberating a hidden antiferroelectric phase with interfacial electrostatic engineering. Science Advances, 2022, 8, eabg5860.	4.7	18
226	Conducting barriers for vertical integration of ferroelectric capacitors on Si. Applied Physics Letters, 1999, 74, 230-232.	1.5	17
227	Studies of thin film growth and oxidation processes for conductive Ti-Al diffusion barrier layers via in situ surface sensitive analytical techniques. Applied Physics Letters, 2001, 79, 800-802.	1.5	17
228	Selective A- or B-site single termination on surfaces of layered oxide SrLaAlO ₄ . Applied Physics Letters, 2013, 102, .	1.5	17
229	Frontiers in strain-engineered multifunctional ferroic materials. MRS Communications, 2016, 6, 151-166.	0.8	17
230	Large Polarization and Susceptibilities in Artificial Morphotropic Phase Boundary PbZr _{1-x} Ti _x O ₃ Superlattices. Advanced Electronic Materials, 2020, 6, 1901395.	2.6	17
231	Coherent electric field manipulation of Fe ³⁺ spins in PbTiO ₃ . Science Advances, 2021, 7, .	4.7	17
232	Structural and ferromagnetic resonance characteristics of BaFe ₁₂ O ₁₉ films with minimal linewidths. Applied Physics Letters, 2001, 79, 385-387.	1.5	16
233	Translation domains in multiferroics. Phase Transitions, 2013, 86, 33-52.	0.6	16
234	Integration of amorphous ferromagnetic oxides with multiferroic materials for room temperature magnetoelectric spintronics. Scientific Reports, 2020, 10, 3583.	1.6	16

#	ARTICLE	IF	CITATIONS
235	Atomic and electronic structures of the SrVO ₃ -LaAlO ₃ interface. Journal of Applied Physics, 2011, 110, 046104.	1.1	15
236	Determination of the spin-flip time in ferromagnetic SrRuO ₃ from time-resolved Kerr measurements. Physical Review B, 2011, 83, .	1.1	15
237	Functional ferroic heterostructures with tunable integral symmetry. Nature Communications, 2014, 5, 4295.	5.8	15
238	Size and shape evolution of embedded single-crystal $\hat{\pm}$ -Fe nanowires. Applied Physics Letters, 2005, 87, 203110.	1.5	14
239	Controlling entangled spin-orbit coupling of d states with interfacial heterostructure engineering. Physical Review B, 2018, 97, .	4.1	14
240	Engineering new limits to magnetostriction through metastability in iron-gallium alloys. Nature Communications, 2021, 12, 2757.	5.8	14
241	Imaging uncompensated moments and exchange-biased emergent ferromagnetism in FeRh thin films. Physical Review Materials, 2019, 3, .	0.9	14
242	Voltage Shifts and Defect-Dipoles in Ferroelectric Capacitors. Materials Research Society Symposia Proceedings, 1996, 433, 257.	0.1	13
243	Theoretical Predictions for the Intrinsic Converse Longitudinal Piezoelectric Constants of Lead Zirconate Titanate Epitaxial Films. Advanced Engineering Materials, 2005, 7, 229-232.	1.6	13
244	Atomically Resolved Electronic States and Correlated Magnetic Order at Termination Engineered Complex Oxide Heterointerfaces. ACS Nano, 2018, 12, 1089-1095.	7.3	13
245	Atomic scale crystal field mapping of polar vortices in oxide superlattices. Nature Communications, 2021, 12, 6273.	5.8	13
246	A microstructure based magnetization reversal model in sintered Fe ₈₁ Nd ₁₉ magnets. II. Effect of post sintering treatments. Journal of Applied Physics, 1990, 68, 5772-5777.	1.1	12
247	Stability and chemical composition of thermally grown iridium-oxide thin films. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1919.	1.6	12
248	Defect engineering using crystal symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9344-9346.	3.3	12
249	Electric field control of magnetism: multiferroics and magnetoelectrics. Rivista Del Nuovo Cimento, 2021, 44, 251-289.	2.0	12
250	Local manipulation and topological phase transitions of polar skyrmions. Matter, 2022, 5, 1031-1041.	5.0	12
251	A microstructure based magnetization reversal model in sintered Fe ₈₁ Nd ₁₉ magnets. I. Journal of Applied Physics, 1990, 68, 5767-5771.	1.1	11
252	Pulsed laser-ablation deposition of thin films of molybdenum silicide and its properties as a conducting barrier for ferroelectric random-access memory technology. Journal of Materials Research, 1999, 14, 940-947.	1.2	11

#	ARTICLE	IF	CITATIONS
253	Magnetoelectric complex-oxide heterostructures. Philosophical Magazine Letters, 2007, 87, 155-164.	0.5	11
254	Integration of a low frequency, tunable MEMS piezoelectric energy harvester and a thick film micro capacitor as a power supply system for wireless sensor nodes. , 2009, , .		11
255	Enhanced pyroelectric properties of Bi ^{1-x} LaxFeO ₃ thin films. APL Materials, 2019, 7, .	2.2	11
256	Unexpected termination switching and polarity compensation in $\text{LaAlO}_3/\text{SrTiO}_3$ heterostructures. Physical Review Materials, 2018, 2, .	0.9	11
257	Epitaxial Pb(Zr,Ti)O ₃ Capacitors on Si by Liquid Delivery Metalorganic Chemical Vapor Deposition. Journal of Electroceramics, 2005, 14, 37-44.	0.8	9
258	Simultaneous measurement of the piezoelectric and dielectric response of nanoscale ferroelectric capacitors by an atomic force microscopy based approach. Applied Physics A: Materials Science and Processing, 2006, 84, 67-71.	1.1	9
259	Site-specific spectroscopic measurement of spin and charge in (LuFeO ₃) _m /(LuFe ₂ O ₄) ₁ multiferroic superlattices. Nature Communications, 2020, 11, 5582.	5.8	9
260	Tunable Nanoscale Evolution and Topological Phase Transitions of a Polar Vortex Supercrystal. Advanced Materials, 2022, 34, e2106401.	11.1	9
261	Order-Disorder Transitions in a Polar Vortex Lattice. Advanced Functional Materials, 2022, 32, .	7.8	9
262	Low temperature growth and reliability of ferroelectric memory cell integrated on Si with conducting barrier stack. Journal of Materials Research, 1997, 12, 1589-1594.	1.2	8
263	Studies of ferroelectric film growth and capacitor interface processes via in situ analytical techniques and correlation with electrical properties. Integrated Ferroelectrics, 2001, 32, 121-131.	0.3	8
264	Cation ordering in epitaxial lead zirconate titanate films. Applied Physics Letters, 2008, 93, 262903.	1.5	8
265	Unified Framework for Charge-Spin Interconversion in Spin-Orbit Materials. Physical Review Applied, 2021, 15, .	1.5	8
266	Low Voltage Magnetoelectric Coupling in $\text{Fe}_{0.5}\text{Rh}_{0.5}/0.68\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3 \sim 0.32\text{PbTiO}_3$ Thin Film Heterostructures. Advanced Functional Materials, 2021, 31, 2105068.		8
267	Local dielectric measurements of BaTiO ₃ CoFe ₂ O ₄ nanocomposites through microwave microscopy. Journal of Materials Research, 2007, 22, 1193-1199.	1.2	7
268	Effective thermal boundary resistance from thermal decoupling of magnons and phonons in SrRuO_3 films. Physical Review B, 2010, 82, .	1.1	7
269	Reconstruction of Polarization Vortices by Diffraction Mapping of Ferroelectric PbTiO ₃ / SrTiO ₃ Superlattice Using a High Dynamic Range Pixelated Detector. Microscopy and Microanalysis, 2016, 22, 472-473.	0.2	7
270	Emergent chirality in a polar meron to skyrmion transition revealed by 4D-STEM. Microscopy and Microanalysis, 2021, 27, 348-350.	0.2	7

#	ARTICLE	IF	CITATIONS
271	Effect of Dy Additions on Microstructure and Magnetic Properties of Fe-Nd-B Magnets. Materials Research Society Symposia Proceedings, 1987, 96, 203.	0.1	6
272	Lorentz electron microscopy of iron-rare-earth-boron sintered permanent magnets. Journal of Applied Physics, 1990, 67, 6968-6975.	1.1	6
273	High density ferroelectric memories: Materials, processing and scaling. Integrated Ferroelectrics, 2000, 28, 213-225.	0.3	6
274	Atomic and electronic structures of lattice mismatched Cu ₂ O/TiO ₂ interfaces. Applied Physics Letters, 2014, 104, 211605.	1.5	6
275	Nanoelectromechanical Switches by Controlled Switchable Cracking. IEEE Electron Device Letters, 2019, 40, 1209-1212.	2.2	6
276	Electric-field control of magnetism. MRS Bulletin, 2019, 44, 288-294.	1.7	6
277	Chiral structures of electric polarization vectors quantified by X-ray resonant scattering. Nature Communications, 2022, 13, 1769.	5.8	6
278	Lead based ferroelectric capacitors for low voltage non-volatile memory applications. Integrated Ferroelectrics, 1998, 19, 159-177.	0.3	5
279	Training the Polarization in Integrated La _{0.15} Bi _{0.85} FeO ₃ Based Devices. Advanced Materials, 2021, , 2104688.	11.1	5
280	Nanoscale electromechanical phenomena in ferroelectric thin films. Materials Research Society Symposia Proceedings, 2000, 655, 223.	0.1	4
281	Formation of the (La _{0.67} Sr _{0.33}) ₂ MnO ₄ Phase in La-Sr-Mn-O Thin Films by Pulsed Laser Deposition. Journal of Materials Research, 2000, 15, 1524-1527.	1.2	4
282	Direct observation of domain dynamics in lead zirconate titanate thin films. Integrated Ferroelectrics, 2001, 32, 199-208.	0.3	4
283	Electrical measurements on capacitor sizes in the submicron regime for the characterization of real memory cell capacitors. Integrated Ferroelectrics, 2001, 37, 163-172.	0.3	4
284	Low-Temperature Fabrication of Epitaxial and Random-Oriented Pb(Zr,Ti)O ₃ Capacitors with SrRuO ₃ Electrodes on Si Wafers. Integrated Ferroelectrics, 2003, 52, 19-31.	0.3	4
285	Correlation between nanoscale and nanosecond resolved ferroelectric domain dynamics and local mechanical compliance. Journal of Applied Physics, 2011, 109, 091607.	1.1	4
286	X-ray diffraction studies of stripelike ferroelectric domains in thin films of BiFeO_3 . Physical Review B, 2014, 89, .	4.1	4
287	Comparison of convergent-beam electron diffraction methods for determination of foil thickness. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1985, 52, L59-L63.	0.8	3
288	Conducting diffusion barriers for integration of ferroelectric capacitors on Si. Integrated Ferroelectrics, 1999, 25, 205-221.	0.3	3

#	ARTICLE	IF	CITATIONS
289	Effect of uniaxial stress fields on the domain selection of epitaxial ferroelectric films. <i>Ferroelectrics</i> , 1999, 221, 245-250.	0.3	3
290	Analysis of thin PZT films as a function of depth and thickness by GIXS. <i>Integrated Ferroelectrics</i> , 2000, 29, 127-141.	0.3	3
291	Observation of Polar Vortices in Oxide Superlattices. <i>Microscopy and Microanalysis</i> , 2016, 22, 1246-1247.	0.2	3
292	Materials for a Sustainable Microelectronics Future: Electric Field Control of Magnetism with Multiferroics. <i>Journal of the Indian Institute of Science</i> , 2022, 102, 489-511.	0.9	3
293	Inherent Spin-Polarization Coupling in a Magnetoelectric Vortex. <i>Nano Letters</i> , 2022, 22, 3976-3982.	4.5	3
294	Reliability studies of polycrystalline La-Sr-Co-O/Pb-La-Zr-Ti-O/La-Sr-Co-O capacitors on silicon. <i>Integrated Ferroelectrics</i> , 1996, 12, 53-62.	0.3	2
295	Polydomain Structure of Epitaxial PbTiO ₃ films on MgO. <i>Materials Research Society Symposia Proceedings</i> , 1997, 493, 111.	0.1	2
296	Cellular Domain Architecture of Stress-free Epitaxial Ferroelectric Films. <i>Materials Research Society Symposia Proceedings</i> , 2000, 655, 431.	0.1	2
297	Phase Coexistence of Ferroelectric Vortices and Classical a1/a2 Domains in PbTiO ₃ /SrTiO ₃ Superlattices. <i>Microscopy and Microanalysis</i> , 2018, 24, 1638-1639.	0.2	2
298	Mapping Polarity, Toroidal Order, and the Local Energy Landscape by 4D-STEM. <i>Microscopy and Microanalysis</i> , 2018, 24, 176-177.	0.2	2
299	DyFe ₂ O ₄ : A new trigonal rare-earth ferrite grown by molecular-beam epitaxy. <i>APL Materials</i> , 2021, 9, 041106.	2.2	2
300	Origin of circular dichroism in resonant elastic x-ray scattering from magnetic and polar chiral structures. <i>Physical Review B</i> , 2022, 106, .	1.1	2
301	Electron microscopy of a Gd-Ba-Cu-O superconductor. <i>Journal of Materials Research</i> , 1989, 4, 515-520.	1.2	1
302	Magnetic and magneto-optical properties of Y ₃ Fe ₅ O ₁₂ /Eu ₁ Bi ₂ Fe ₅ O ₁₂ heterostructures. <i>IEEE Transactions on Magnetics</i> , 1995, 31, 3242-3244.	1.2	1
303	Rapid Thermal Annealing of Oxide Electrodes for Nonvolatile Ferroelectric Memory Structures. , 1998, 2, 171-179.		1
304	Ferromagnetic NiMnGa and CoNiGa Shape Memory Alloy Films. <i>Materials Research Society Symposia Proceedings</i> , 2001, 687, 1.	0.1	1
305	Nanoscale Phenomena in Ferroelectric Thin Films. <i>Integrated Ferroelectrics</i> , 2002, 42, 173-189.	0.3	1
306	Development of Materials Integration Strategies for Electroceramic Film-Based Devices Via Complementary In Situ and Ex Situ Studies of Film Growth and Interface Processes. <i>Integrated Ferroelectrics</i> , 2002, 46, 295-306.	0.3	1

#	ARTICLE	IF	CITATIONS
307	Electric Field Control of Magnetism Using Multiferroic Bismuth Ferrite. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, S19-S24.	0.1	1
308	Electric-field control of magnetism in multiferroic heterostructures. , 2015, , .		1
309	Measuring Orbital Angular Momentum (OAM) and Torque Transfer from Polarization Vortices with the Electron Microscopy Pixel Array Detector. Microscopy and Microanalysis, 2017, 23, 1634-1635.	0.2	1
310	Three-Dimensional Polarization by Means of Scanning HOLZ-CBED Technique. Microscopy and Microanalysis, 2018, 24, 178-179.	0.2	1
311	Nanoscale Activation Energy Mapping and Leveraging for Accelerating Ferroelectric Domain Nucleation and Growth. Advanced Electronic Materials, 0, , 2101389.	2.6	1
312	High-voltage Lorentz electron microscopy of Fe-Nd magnets (abstract). Journal of Applied Physics, 1987, 61, 4255-4255.	1.1	0
313	Growth of (001) oriented La-Sr-Co-O/Pb-La-Zr-Ti-O/La-Sr-Co-O ferroelectric capacitors on (001) GaAs with a MgO buffer layer. Integrated Ferroelectrics, 1996, 12, 63-69.	0.3	0
314	Process integration of pzt thin films with oxide electrodes for high density nonvolatile memories. Integrated Ferroelectrics, 1998, 20, 69-69.	0.3	0
315	COLOSSAL MAGNETORESISTIVE MANGANITES: THE PUSH TOWARDS LOW FIELD MAGNETORESISTANCE. , 1998, , 155-187.		0
316	Spin reorientation transition due to thickness ratio variation in EuBi ₂ Fe ₅ O ₁₂ /Y ₃ Fe ₅ O ₁₂ multilayer films ferrimagnetic resonance studies. Journal of Applied Physics, 1998, 83, 3750-3753.	1.1	0
317	Studies of Metallic Species Incorporation During Growth of SrBi ₂ Ta ₂ O ₉ Films on YBa ₂ Cu ₃ O _{7-x} Substrates Using Mass Spectroscopy of Recoiled Ions. Materials Research Society Symposia Proceedings, 1998, 541, 281.	0.1	0
318	The Stress State and Domain Structure of Epitaxial PbZr _{0.2} Ti _{0.8} O ₃ Films on (001) SrTiO ₃ with and without La _{0.5} Sr _{0.5} CoO ₃ Electrode Layer. Materials Research Society Symposia Proceedings, 1998, 541, 357.	0.1	0
319	Studies of ferroelectric heterostructure thin films, interfaces, and device-related processes via in situ analytical techniques. Integrated Ferroelectrics, 1999, 27, 103-118.	0.3	0
320	Epitaxial PMN-PT Relaxor Thin Films: Dependence of Dielectric and Piezoelectric Properties on Film Thickness. Materials Research Society Symposia Proceedings, 1999, 596, 505.	0.1	0
321	Near field Optical second Harmonic Imaging of the Polydomain Structure of Epitaxial PbZr _x Ti _{1-x} O ₃ thin films. Materials Research Society Symposia Proceedings, 2000, 655, 437.	0.1	0
322	Interfacial Mismatch and Interface Structure of Epitaxial Pb(Mg _{1/3} Nb _{2/3})O ₃ (90%)- PbTiO ₃ (10%) Relaxor Thin Films. Microscopy and Microanalysis, 2000, 6, 462-463.	0.2	0
323	Studies of ferroelectric heterostructure thin films and interfaces, via in situ analytical techniques. Integrated Ferroelectrics, 2000, 28, 1-12.	0.3	0
324	Oxide Electrodes for Buried-Channel Field Effect Transistors. Materials Research Society Symposia Proceedings, 2001, 666, 541.	0.1	0

#	ARTICLE	IF	CITATIONS
325	Ferroelectric Field Effect Device. Materials Research Society Symposia Proceedings, 2002, 747, 1.	0.1	0
326	A Transmission Electron Microscopy Study of Dislocation Substructures in PLD-grown Epitaxial Films of (Ba,Sr)TiO ₃ on (001) LaAlO ₃ . Materials Research Society Symposia Proceedings, 2003, 784, 271.	0.1	0
327	Effective Direct Piezoelectric Constants in Epitaxial Ferroelectric Films as MEMS Sensors. Materials Research Society Symposia Proceedings, 2005, 881, 1.	0.1	0
328	Adsorption-controlled growth of BiFeO ₃ by MBE and integration with wide band gap semiconductors. , 2008, , .		0
329	High Speed Piezo Force Microscopy: Nanoscale and nanosecond direct observations of domain switching. , 2008, , .		0
330	Strain tunability of spontaneous polarization and enhanced ferroelectric properties in epitaxial (001) BiFeO ₃ thin films. , 2008, , .		0
331	Science and Technology of Complex Correlated Oxides: The Legacy of John Goodenough. Journal of the Electrochemical Society, 0, , .	1.3	0