R Ramesh

List of Publications by Year
in descending order

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575	72,039	733	748
papers	citations	124 h-index	256 g-index

594	594	594	30588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epitaxial BiFeO3 Multiferroic Thin Film Heterostructures. Science, 2003, 299, 1719-1722.	6.0	5,548
2	Thousandfold Change in Resistivity in Magnetoresistive La-Ca-Mn-O Films. Science, 1994, 264, 413-415.	6.0	4,552
3	Multiferroics: progress and prospects in thin films. Nature Materials, 2007, 6, 21-29.	13.3	3,543
4	Multiferroic BaTiO3-CoFe2O4 Nanostructures. Science, 2004, 303, 661-663.	6.0	2,051
5	Above-bandgap voltages from ferroelectric photovoltaic devices. Nature Nanotechnology, 2010, 5, 143-147.	15.6	1,496
6	Direct evidence for a half-metallic ferromagnet. Nature, 1998, 392, 794-796.	13.7	1,268
7	Electric-field control of local ferromagnetism using a magnetoelectric multiferroic. Nature Materials, 2008, 7, 478-482.	13.3	1,219
8	Conduction at domain walls in oxide multiferroics. Nature Materials, 2009, 8, 229-234.	13.3	1,212
9	Electrical control of antiferromagnetic domains in multiferroic BiFeO3 films at room temperature. Nature Materials, 2006, 5, 823-829.	13.3	1,160
10	Advances in magnetoelectric multiferroics. Nature Materials, 2019, 18, 203-212.	13.3	1,084
11	A Strain-Driven Morphotropic Phase Boundary in BiFeO ₃. Science, 2009, 326, 977-980.	6.0	1,065
12	Domain wall nanoelectronics. Reviews of Modern Physics, 2012, 84, 119-156.	16.4	1,018
13	Observation of polar vortices in oxide superlattices. Nature, 2016, 530, 198-201.	13.7	682
14	Reversible electric control of exchange bias in a multiferroic field-effect device. Nature Materials, 2010, 9, 756-761.	13.3	633
15	Deterministic switching of ferromagnetism at room temperature using an electric field. Nature, 2014, 516, 370-373.	13.7	570
16	Ferroelectric Field Effect Transistor Based on Epitaxial Perovskite Heterostructures. Science, 1997, 276, 238-240.	6.0	566
17	Dramatically enhanced polarization in (001), (101), and (111) BiFeO3 thin films due to epitiaxial-induced transitions. Applied Physics Letters, 2004, 84, 5261-5263.	1.5	558
18	Advances in the growth and characterization of magnetic, ferroelectric, and multiferroic oxide thin films. Materials Science and Engineering Reports, 2010, 68, 89-133.	14.8	553

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19	Room-temperature antiferromagnetic memory resistor. Nature Materials, 2014, 13, 367-374.	13.3	546
20	Dynamics of ferroelastic domains in ferroelectric thin films. Nature Materials, 2003, 2, 43-47.	13.3	503
21	Leakage mechanisms in BiFeO3 thin films. Applied Physics Letters, 2007, 90, 072902.	1.5	501
22	Electric modulation of conduction in multiferroic Ca-doped BiFeO3 films. Nature Materials, 2009, 8, 485-493.	13.3	481
23	Photovoltaic effects in BiFeO3. Applied Physics Letters, 2009, 95, .	1.5	460
24	Magnetic Properties at Surface Boundary of a Half-Metallic FerromagnetLa0.7Sr0.3MnO3. Physical Review Letters, 1998, 81, 1953-1956.	2.9	457
25	Photoconductivity in BiFeO3 thin films. Applied Physics Letters, 2008, 92, .	1.5	447
26	Polarization Control of Electron Tunneling into Ferroelectric Surfaces. Science, 2009, 324, 1421-1425.	6.0	441
27	Very large magnetoresistance in perovskiteâ€like Laâ€Caâ€Mnâ€O thin films. Applied Physics Letters, 1994, 64, 3045-3047.	1.5	438
28	Electric Field-Induced Magnetization Switching in Epitaxial Columnar Nanostructures. Nano Letters, 2005, 5, 1793-1796.	4.5	426
29	Observation of room-temperature polar skyrmions. Nature, 2019, 568, 368-372.	13.7	417
30	Anisotropic conductance at improper ferroelectric domain walls. Nature Materials, 2012, 11, 284-288.	13.3	409
31	Ferroelastic switching for nanoscale non-volatile magnetoelectric devices. Nature Materials, 2010, 9, 309-314.	13.3	407
32	Electric-Field-Induced Magnetization Reversal in a Ferromagnet-Multiferroic Heterostructure. Physical Review Letters, 2011, 107, 217202.	2.9	405
33	Giant Piezoelectricity on Si for Hyperactive MEMS. Science, 2011, 334, 958-961.	6.0	394
34	Non-volatile memory based on the ferroelectric photovoltaic effect. Nature Communications, 2013, 4, 1990.	5.8	394
35	Critical thickness and orbital ordering in ultrathin<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.7</mml:mn> Physical Review B, 2008, 78, .	1.1	372
36	Fatigue and retention in ferroelectric Yâ€Baâ€Cuâ€O/Pbâ€Zrâ€Tiâ€O/Yâ€Baâ€Cuâ€O heterostructures. Applied Physics Letters, 1992, 61, 1537-1539.	1.5	369

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37	Colossal magnetoresistance in Laâ€Caâ€Mnâ€O ferromagnetic thin films (invited). Journal of Applied Physics, 1994, 76, 6929-6933.	1.1	369
38	Domain Wall Conductivity in La-Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 105, 197603.	2.9	357
39	Co-occurrence of Superparamagnetism and Anomalous Hall Effect in Highly Reduced Cobalt-Doped RutileTiO2â^'Î´Films. Physical Review Letters, 2004, 92, 166601.	2.9	352
40	Ferroelectric Laâ€Srâ€Coâ€O/Pbâ€Zrâ€Tiâ€O/Laâ€Srâ€Coâ€O heterostructures on silicon via template growth. Applied Physics Letters, 1993, 63, 3592-3594.	1.5	351
41	Interlayer coupling effect in high-Tcsuperconductors probed byYBa2Cu3O7â^'x/PrBa2Cu3O7â^'xsuperlattices. Physical Review Letters, 1990, 64, 3086-3089.	2.9	347
42	Optical band gap of BiFeO3 grown by molecular-beam epitaxy. Applied Physics Letters, 2008, 92, .	1.5	345
43	Interface Ferromagnetism and Orbital Reconstruction in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:msub><mml:mi>La</mml:mi><mml:mn>0.7</mml:mn></mml:msub><mml:msub><mml:m Physical Review Letters, 2010, 105, 027201.	2.9	335
44	Deterministic control of ferroelastic switching in multiferroic materials. Nature Nanotechnology, 2009, 4, 868-875.	15.6	331
45	Electric-Field Control of Nonvolatile Magnetization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Co</mml:mi><mml:mn>40</mml:mn></mml:msub><mml:msub><mml:mi>Fe</mml:mi><mml:m mathvariant="normal">B</mml:mi><mml:mn>20</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>Pb</mml:mi><mml:mo		

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55	Nanoscale Domain Control in Multiferroic BiFeO3 Thin Films. Advanced Materials, 2006, 18, 2307-2311.	11.1	262
56	Transition-element doping effects inLa0.7Ca0.3MnO3. Physical Review B, 1999, 59, 533-537.	1.1	261
57	Ultrafast polarization switching in thin-film ferroelectrics. Applied Physics Letters, 2004, 84, 1174-1176.	1.5	261
58	Controlling Self-Assembled Perovskiteâ˜Spinel Nanostructures. Nano Letters, 2006, 6, 1401-1407.	4.5	256
59	Electroresistance and Electronic Phase Separation in Mixed-Valent Manganites. Physical Review Letters, 2001, 86, 5998-6001.	2.9	255
60	Full Electric Control of Exchange Bias. Physical Review Letters, 2013, 110, 067202.	2.9	252
61	Voltage offsets in (Pb,La)(Zr,Ti)O3 thin films. Applied Physics Letters, 1995, 66, 484-486.	1.5	250
62	Synthesis and ferroelectric properties of epitaxial BiFeO3 thin films grown by sputtering. Applied Physics Letters, 2006, 88, 242904.	1.5	250
63	Epitaxial BiFeO3 thin films on Si. Applied Physics Letters, 2004, 85, 2574-2576.	1.5	249
64	Domain Control in Multiferroic BiFeO₃ through Substrate Vicinality. Advanced Materials, 2007, 19, 2662-2666.	11.1	245
65	Science and technology of ferroelectric films and heterostructures for non-volatile ferroelectric memories. Materials Science and Engineering Reports, 2001, 32, 191-236.	14.8	238
66	Dielectric properties in heteroepitaxial Ba0.6Sr0.4TiO3 thin films: Effect of internal stresses and dislocation-type defects. Applied Physics Letters, 2000, 77, 1695-1697.	1.5	237
67	Electric field control of magnetism using BiFeO₃-based heterostructures. Applied Physics Reviews, 2014, 1, 021303.	5.5	234
68	Metalorganic chemical vapor deposition of lead-free ferroelectric BiFeO3 films for memory applications. Applied Physics Letters, 2005, 87, 102903.	1.5	231
69	Stress-induced effects in epitaxial (La0.7Sr0.3)MnO3 films. Journal of Magnetism and Magnetic Materials, 1997, 172, 229-236.	1.0	223
70	Domain configurations due to multiple misfit relaxation mechanisms in epitaxial ferroelectric thin films. II. Experimental verification and implications. Journal of Applied Physics, 1994, 76, 477-483.	1.1	221
71	Strain-Induced Polarization Rotation in Epitaxial (001)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Thin Films. Physical Review Letters, 2008, 101, 107602.	2.9	221
72	Epitaxial Cuprate Superconductor/Ferroelectric Heterostructures. Science, 1991, 252, 944-946.	6.0	220

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73	Material characteristics of perovskite manganese oxide thin films for bolometric applications. Applied Physics Letters, 1997, 71, 2535-2537.	1.5	219
74	Optical conductivity of manganites:â€ƒCrossover from Jahn-Teller small polaron to coherent transport in the ferromagnetic state. Physical Review B, 1998, 58, 16093-16102.	1.1	219
75	Linear and nonlinear optical properties of BiFeO3. Applied Physics Letters, 2008, 92, .	1.5	213
76	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
77	Nanoscale Control of Domain Architectures in BiFeO₃ Thin Films. Nano Letters, 2009, 9, 1726-1730.	4.5	210
78	Nanoscale imaging of domain dynamics and retention in ferroelectric thin films. Applied Physics Letters, 1997, 71, 3492-3494.	1.5	204
79	Multiferroic BiFeO₃films: domain structure and polarization dynamics. Phase Transitions, 2006, 79, 991-1017.	0.6	202
80	aâ€axis oriented epitaxial YBa2Cu3O7âˆ’xâ€PrBa2Cu3O7âˆ’yheterostructures. Applied Physics Letters, 1990, 57, 2484-2486.	1.5	200
81	Optical Evidence for the Dynamic Jahn-Teller Effect in Nd0.7Sr0.3MnO3. Physical Review Letters, 1996, 77, 2081-2084.	2.9	195
82	Voltage shifts and imprint in ferroelectric capacitors. Applied Physics Letters, 1995, 67, 866-868.	1.5	193
83	Thickness dependence of magnetoresistance in Laâ€“Caâ€“Mnâ€“O epitaxial films. Applied Physics Letters, 1995, 67, 557-559.	1.5	191
84	Allaâ€axis oriented YBa2Cu3O7âˆ’yâ€PrBa2Cu3O7âˆ’zâ€YBa2Cu3O7âˆ’yJosephson devices operating at 80 K. Applied Physics Letters, 1991, 59, 742-744.	1.5	187
85	Effect of hydrogen on Pb(Zr,Ti)O3-based ferroelectric capacitors. Applied Physics Letters, 1998, 73, 1973-1975.	1.5	187
86	Multiferroic and magnetoelectric heterostructures. Acta Materialia, 2012, 60, 2449-2470.	3.8	183
87	Magnetization reversal in nucleation controlled magnets. II. Effect of grain size and size distribution on intrinsic coercivity of Feâ€Ndâ€B magnets. Journal of Applied Physics, 1988, 64, 6416-6423.	1.1	182
88	Stable and epitaxial metal/III-V semiconductor heterostructures. Materials Science and Engineering Reports, 1990, 5, 99-170.	5.8	180
89	Ferroelectric size effects in multiferroic BiFeO3 thin films. Applied Physics Letters, 2007, 90, 252906.	1.5	180
90	Preparation and properties of nickel ferrite (NiFe2O4) nanoparticles via solâ€“gel auto-combustion method. Materials Research Bulletin, 2011, 46, 2204-2207.	2.7	178

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91	Polarization relaxation kinetics and 180Â° domain wall dynamics in ferroelectric thin films. Physical Review B, 2001, 65, .	1.1	174
92	Bismuth cuprate high-Tcsuperconductors using cationic substitution. Physical Review B, 1989, 39, 4316-4326.	1.1	173
93	Synthesis and characterization of NiFe2O4 nanoparticles and nanorods. Journal of Alloys and Compounds, 2013, 563, 6-11.	2.8	169
94	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. Nature Materials, 2004, 3, 533-538.	13.3	165
95	Can interface dislocations degrade ferroelectric properties?. Applied Physics Letters, 2004, 85, 2044-2046.	1.5	165
96	Role of 90Â° domains in lead zirconate titanate thin films. Applied Physics Letters, 2000, 77, 292-294.	1.5	164
97	Spin-polarized quasiparticle injection devices using Au/YBa2Cu3O7/LaAlO3/Nd0.7Sr0.3MnO3 heterostructures. Applied Physics Letters, 1997, 71, 1718-1720.	1.5	161
98	Phase coexistence and electric-field control of toroidal order in oxide superlattices. Nature Materials, 2017, 16, 1003-1009.	13.3	159
99	Scaling of ferroelectric properties in thin films. Applied Physics Letters, 1999, 75, 409-411.	1.5	157
100	Electrically controllable spontaneous magnetism in nanoscale mixed phase multiferroics. Nature Communications, 2011, 2, 225.	5.8	155
101	Large resistivity modulation in mixed-phase metallic systems. Nature Communications, 2015, 6, 5959.	5.8	154
102	Application of a near coincidence site lattice theory to the orientations of YBa2Cu3O7â^'xgrains on (001)â€‰MgO substrates. Applied Physics Letters, 1990, 57, 1690-1692.	1.5	153
103	Optical properties of quasi-tetragonal BiFeO3 thin films. Applied Physics Letters, 2010, 96, .	1.5	153
104	Oriented ferroelectric Laâ€Srâ€Coâ€O/Pbâ€Laâ€Zrâ€Tiâ€O/Laâ€Srâ€Coâ€O heterostructures on [001] Pt/SiO2Si substrates using a bismuth titanate template layer. Applied Physics Letters, 1994, 64, 2511-2513.	1.5	152
105	Magnetotransport anisotropy effects in epitaxial magnetite(Fe3O4)thin films. Physical Review B, 1998, 57, 7823-7828.	1.1	150
106	Origin of surface roughness forcâ€axis oriented Yâ€Baâ€Cuâ€O superconducting films. Applied Physics Letters, 1990, 57, 1814-1816.	1.5	149
107	Optical properties and magnetochromism in multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>BiFeO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2009, 79, .	1.1	149
108	Thickness dependence of structural and electrical properties in epitaxial lead zirconate titanate films. Journal of Applied Physics, 1999, 86, 595-602.	1.1	144

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109	Metal-ferroelectric-metal structures with Schottky contacts. II. Analysis of the experimental current-voltage and capacitance-voltage characteristics of Pb(Zr,Ti)O3 thin films. Journal of Applied Physics, 2005, 98, 124104.	1.1	141
110	Synthesis and characterization of nickel ferrite magnetic nanoparticles. Materials Research Bulletin, 2011, 46, 2208-2211.	2.7	137
111	Leakage current mechanisms in lead-based thin-film ferroelectric capacitors. Physical Review B, 1999, 59, 16022-16027.	1.1	136
112	Anisotropic magnetoresistance in an antiferromagnetic semiconductor. Nature Communications, 2014, 5, 4671.	5.8	136
113	Effect of crystallinity on the magnetoresistance in perovskite manganese oxide thin films. Applied Physics Letters, 1997, 71, 282-284.	1.5	135
114	Magnetization reversal in nucleation controlled magnets. I. Theory. Journal of Applied Physics, 1988, 64, 6406-6415.	1.1	133
115	Vacancy formation in (Pb,La)(Zr,Ti)O3 capacitors with oxygen deficiency and the effect on voltage offset. Applied Physics Letters, 2000, 77, 127-129.	1.5	133
116	MATERIALS SCIENCE: Orienting Ferroelectric Films. Science, 2002, 296, 1975-1976.	6.0	133
117	Imaging three-dimensional polarization in epitaxial polydomain ferroelectric thin films. Journal of Applied Physics, 2002, 91, 1477-1481.	1.1	133
118	Imprint and oxygen deficiency in (Pb,La)(Zr,Ti)O3 thinâ€film capacitors with Laâ€Srâ€Coâ€O electrodes. Applied Physics Letters, 1995, 66, 1337-1339.	1.5	132
119	Three-dimensional heteroepitaxy in self-assembled BaTiO3â€“CoFe2O4 nanostructures. Applied Physics Letters, 2004, 85, 2035-2037.	1.5	132
120	Magnetotransport at Domain Walls in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 108, 067203.	2.9	131
121	Spontaneous Ordering of Oxide Nanostructures. Science, 2000, 287, 2235-2237.	6.0	130
122	Misfit dislocations in nanoscale ferroelectric heterostructures. Applied Physics Letters, 2005, 86, 192910.	1.5	130
123	Epitaxial ferroelectric Pb(Zr,â€ŠTi)O3 thin films on Si using SrTiO3 template layers. Applied Physics Letters, 2002, 80, 97-99.	1.5	128
124	Functional electronic inversion layers at ferroelectric domain walls. Nature Materials, 2017, 16, 622-627.	13.3	127
125	Epitaxial growth of ferroelectric bismuth titanate thin films by pulsed laser deposition. Applied Physics Letters, 1990, 57, 1505-1507.	1.5	124
126	Effects of crystalline quality and electrode material on fatigue in Pb(Zr,Ti)O3thin film capacitors. Applied Physics Letters, 1993, 63, 27-29.	1.5	124

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127	Alignment of defect dipoles in polycrystalline ferroelectrics. Applied Physics Letters, 1995, 67, 1689-1691.	1.5	124
128	Thickness dependence of structural and piezoelectric properties of epitaxial Pb(Zr0.52Ti0.48)O3 films on Si and SrTiO3 substrates. Applied Physics Letters, 2006, 88, 142904.	1.5	122
129	Structure and interface chemistry of perovskite-spinel nanocomposite thin films. Applied Physics Letters, 2006, 89, 172902.	1.5	122
130	Scanning force microscopy of domain structure in ferroelectric thin films: imaging and control. Nanotechnology, 1997, 8, A38-A43.	1.3	121
131	Dependence of dielectric properties on internal stresses in epitaxial barium strontium titanate thin films. Applied Physics Letters, 2001, 78, 2354-2356.	1.5	121
132	Measurement of Internal Stresses via the Polarization in Epitaxial Ferroelectric Films. Physical Review Letters, 2000, 85, 190-193.	2.9	119
133	Polarization switching in epitaxial BiFeO3 films. Applied Physics Letters, 2005, 87, 252902.	1.5	118
134	Epitaxial ferromagnetic Ï„â€MnAl films on GaAs. Applied Physics Letters, 1990, 57, 2609-2611.	1.5	116
135	Two-phonon coupling to the antiferromagnetic phase transition in multiferroic BiFeO3. Applied Physics Letters, 2008, 92, .	1.5	116
136	Positive giant magnetoresistance in a Fe3O4/SrTiO3/La0.7Sr0.3MnO3 heterostructure. Applied Physics Letters, 1998, 73, 689-691.	1.5	115
137	Realizing intrinsic piezoresponse in epitaxial submicron lead zirconate titanate capacitors on Si. Applied Physics Letters, 2002, 81, 4215-4217.	1.5	113
138	Effect of substrate-induced strains on the spontaneous polarization of epitaxial BiFeO3 thin films. Journal of Applied Physics, 2007, 101, 114105.	1.1	113
139	Size effects in ultrathin epitaxial ferroelectric heterostructures. Applied Physics Letters, 2004, 84, 5225-5227.	1.5	112
140	Universal Ti-rich termination of atomically flat SrTiO3 (001), (110), and (111) surfaces. Applied Physics Letters, 2011, 98, .	1.5	112
141	Growth of colossal magnetoresistance thin films on silicon. Applied Physics Letters, 1996, 69, 1005-1007.	1.5	111
142	Evidence for power-law frequency dependence of intrinsic dielectric response in theCaCu3Ti4O12. Physical Review B, 2004, 70, .	1.1	110
143	Self-assembled multiferroic nanostructures in the CoFe2O4-PbTiO3 system. Applied Physics Letters, 2005, 87, 072909.	1.5	109
144	Strain Control of Domain-Wall Stability in Epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>(110) Films. Physical Review Letters, 2007, 99, 217601.	2.9	109

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145	Structural perfection of Yâ€Baâ€Cuâ€O thin films controlled by the growth mechanism. Applied Physics Letters, 1990, 57, 1064-1066.	1.5	108
146	Ferroelectric PbZr0.2Ti0.8O3thin films on epitaxial Yâ€Baâ€Cuâ€O. Applied Physics Letters, 1991, 59, 3542-3544.	1.5	108
147	Influence of contact electrodes on leakage characteristics in ferroelectric thin films. Journal of Applied Physics, 2001, 90, 375-382.	1.1	107
148	Ferroelectric domain structure in epitaxial BiFeO3 films. Applied Physics Letters, 2005, 87, 182912.	1.5	107
149	Epitaxial (001) BiFeO3 membranes with substantially reduced fatigue and leakage. Applied Physics Letters, 2008, 92, 062910.	1.5	107
150	Epitaxy of Yâ€Baâ€Cuâ€O thin films grown on singleâ€crystal MgO. Applied Physics Letters, 1990, 56, 2243-2245.	1.5	106
151	Scaling of structure and electrical properties in ultrathin epitaxial ferroelectric heterostructures. Journal of Applied Physics, 2006, 100, 051609.	1.1	106
152	Room temperature exchange bias and spin valves based on BiFeO3â•SrRuO3â•SrTiO3â•Si (001) heterostructures. Applied Physics Letters, 2007, 91, .	1.5	105
153	Optical creation of a supercrystal with three-dimensional nanoscale periodicity. Nature Materials, 2019, 18, 377-383.	13.3	105
154	Scaling of ferroelectric and piezoelectric properties in Pt/SrBi2Ta2O9/Pt thin films. Applied Physics Letters, 1999, 75, 3874-3876.	1.5	104
155	Synthesis and characterization of NiFe2O4 nanosheet via polymer assisted co-precipitation method. Materials Letters, 2011, 65, 483-485.	1.3	104
156	Effect of oxygen stoichiometry on the electrical properties of La0.5Sr0.5CoO3 electrodes. Journal of Applied Physics, 1997, 81, 3543-3547.	1.1	103
157	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
158	Low voltage performance of epitaxial BiFeO3 films on Si substrates through lanthanum substitution. Applied Physics Letters, 2008, 92, .	1.5	103
159	Depolarizing-field-mediated 180Â° switching in ferroelectric thin films with 90Â° domains. Applied Physics Letters, 2002, 80, 1424-1426.	1.5	101
160	Electric Field Effect in Diluted Magnetic Insulator AnataseCo:â€‰â€‰TiO2. Physical Review Letters, 2005, 94, 126601.	2.9	100
161	Hidden Magnetic Configuration in Epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi> Physical Review Letters, 2010, 105, 257204.	2.9	100
162	Orthorhombic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2012, 109, 247606.	2.9	100

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163	Correlation between magnetic homogeneity, oxygen content, and electrical and magnetic properties of perovskite manganite thin films. Applied Physics Letters, 1998, 73, 2672-2674.	1.5	99
164	Unusual Electric Field Effects in Nd0.7Sr0.3MnO3. Physical Review Letters, 1996, 77, 1159-1162.	2.9	97
165	Manganite-based devices: opportunities, bottlenecks and challenges. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1998, 356, 1661-1680.	1.6	97
166	Effect of mechanical constraint on the dielectric and piezoelectric behavior of epitaxial Pb(Mg1/3Nb2/3)O3(90%)â€“PbTiO3(10%) relaxor thin films. Applied Physics Letters, 1999, 75, 4183-4185.	1.5	96
167	Atomic Structure of Highly Strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BiFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Thin Films. Physical Review Letters, 2012, 108, 047601.	2.9	96
168	Near-field examination of perovskite-based superlenses and superlens-enhanced probe-object coupling. Nature Communications, 2011, 2, 249.	5.8	95
169	Tuning the Competition between Ferromagnetism and Antiferromagnetism in a Half-Doped Manganite through Magnetoelectric Coupling. Physical Review Letters, 2013, 111, 127601.	2.9	93
170	Quantification of flexoelectricity in PbTiO3/SrTiO3 superlattice polar vortices using machine learning and phase-field modeling. Nature Communications, 2017, 8, 1468.	5.8	93
171	Pulsed-laser-deposited epitaxial Sr2FeMoO6âˆ'y thin films: Positive and negative magnetoresistance regimes. Applied Physics Letters, 1999, 74, 3696-3698.	1.5	92
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