Nava Setter

List of Publications by Year
in descending order

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195 papers	16,787 citations	10979 71 h-index	15249 126 g-index
198 all docs	198 docs citations	198 times ranked	9270 citing authors

#	Article	IF	Citations
1	Flexible polarization rotation at the ferroelectric/metal interface as a seed for domain nucleation. Physical Review B, 2018, 98, .	1.1	14
2	Controlled Charging of Ferroelastic Domain Walls in Oxide Ferroelectrics. ACS Applied Materials & Interfaces, 2017, 9, 6539-6546.	4.0	27
3	Nanoscale Defect Engineering and the Resulting Effects on Domain Wall Dynamics in Ferroelectric Thin Films. Advanced Functional Materials, 2017, 27, 1605196.	7.8	21
4	Piezoelectric softening by Nb substitution in (Ba,Pb)ZrO₃ ceramics. Journal of the American Ceramic Society, 2017, 100, 1885-1895.	1.9	3
5	Charge screening strategy for domain pattern control in nano-scale ferroelectric systems. Scientific Reports, 2017, 7, 5236.	1.6	14
6	Dynamics of ferroelectric 180Â° domain walls at engineered pinning centers. Applied Physics Letters, 2017, 111, 022901.	1.5	3
7	Piezoelectric enhancement under negative pressure. Nature Communications, 2016, 7, 12136.	5.8	39
8	Freeâ€Carrierâ€Compensated Charged Domain Walls Produced with Superâ€Bandgap Illumination in Insulating Ferroelectrics. Advanced Materials, 2016, 28, 9498-9503.	11.1	20
9	Structure and pressure-induced ferroelectric phase transition in antiphase domain boundaries of strontium titanate from first principles. Physical Review B, 2016, 94, .	1.1	14
10	Asymmetric structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>90</mml:mn><mml:mo>â˜</mml:mo></mml:msup></m walls and interactions with defects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>PbTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2016, 93, .	1.1	22
11	What is a ferroelectricâ€“a materials designer perspective. Ferroelectrics, 2016, 500, 164-182.	0.3	23
12	NÃ©el-like domain walls in ferroelectric Pb(Zr,Ti)O3 single crystals. Nature Communications, 2016, 7, 12385.	5.8	55
13	Strain engineering of electrical conductivity in epitaxial thin Ba_{0.7}Sr_{0.3}TiO₃ film heterostructures. Lithuanian Journal of Physics, 2016, 56, 173-181.	0.1	3
14	Moving antiphase boundaries using an external electric field. Applied Physics Letters, 2015, 107, .	1.5	9
15	Formation of charged ferroelectric domain walls with controlled periodicity. Scientific Reports, 2015, 5, 15819.	1.6	83
16	Room temperature concurrent formation of ultra-dense arrays of ferroelectric domain walls. Applied Physics Letters, 2015, 107, .	1.5	10
17	Preferential Creation of Polar Translational Boundaries by Interface Engineering in Antiferroelectric PbZrO₃ Thin Films. Advanced Materials Interfaces, 2015, 2, 1500349.	1.9	22
18	Bent Ferroelectric Domain Walls as Reconfigurable Metallic-Like Channels. Nano Letters, 2015, 15, 8049-8055.	4.5	68

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19	Controlling domain wall motion in ferroelectric thin films. Nature Nanotechnology, 2015, 10, 145-150.	15.6	135
20	Polarization charge as a reconfigurable quasi-dopant in ferroelectric thin films. Nature Nanotechnology, 2015, 10, 614-618.	15.6	170
21	Negative-pressure-induced enhancement in a freestanding ferroelectric. Nature Materials, 2015, 14, 985-990.	13.3	82
22	Polarity of translation boundaries in antiferroelectric PbZrO3. Materials Research Bulletin, 2015, 62, 101-105.	2.7	25
23	Solid Solutions of Lead Metaniobateâ€"Stabilization of the Ferroelectric Polymorph and the Effect on the Lattice Parameters, Dielectric, Ferroelectric, and Piezoelectric Properties. Journal of the American Ceramic Society, 2014, 97, 220-227.	1.9	22
24	Influence of flexoelectric coupling on domain patterns in ferroelectrics. Physical Review B, 2014, 89, .	1.1	62
25	Ferroelectric translational antiphase boundaries in nonpolar materials. Nature Communications, 2014, 5, 3031.	5.8	119
26	Correlation between domain structure and piezoelectric properties: Experimental study of (111)<inf>c</inf> oriented BaTiO<inf>3</inf> single crystal. , 2014, , .		0
27	Controlled stripes of ultrafine ferroelectric domains. Nature Communications, 2014, 5, 4677.	5.8	77
28	Defect ordering and defectâ€"domain-wall interactions in PbTiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>: A first-principles study. Physical Review B, 2013, 88, .	1.1	100
29	Effects of Nb doping in lead barium zirconate ceramics. , 2013, , .		2
30	Free-electron gas at charged domain walls in insulating BaTiO3. Nature Communications, 2013, 4, 1808.	5.8	367
31	Long-term retention in organic ferroelectric-graphene memories. Applied Physics Letters, 2012, 100, 023507.	1.5	54
32	Mechanism of hydrothermal growth of ferroelectric PZT nanowires. Journal of Crystal Growth, 2012, 347, 1-6.	0.7	27
33	Cold-Field Switching in PVDF-TrFE Ferroelectric Polymer Nanomesas. Physical Review Letters, 2012, 108, 027603.	2.9	16
34	Enhanced electromechanical response of ferroelectrics due to charged domain walls. Nature Communications, 2012, 3, 748.	5.8	265
35	Thermally Induced Cooperative Molecular Reorientation and Nanoscale Polarization Switching Behaviors of Ultrathin Poly(vinylidene fluoride-trifluoroethylene) Films. Journal of Physical Chemistry B, 2011, 115, 13455-13466.	1.2	54
36	Structure Determination and Compositional Modification of Body-Centered Tetragonal PX-Phase Lead Titanate. Chemistry of Materials, 2011, 23, 2529-2535.	3.2	18

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37	Improved screening ability of ferroelectric- semiconductor interface. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1959-1961.	1.7	1
38	Size effect in ferroelectrics: Competition between geometrical and crystalline symmetries. Physical Review B, 2011, 83, .	1.1	27
39	Growth-mode induced defects in epitaxial SrTiO₃ thin films grown on single crystal LaAlO₃ by a two-step PLD process. Journal of Materials Research, 2011, 26, 770-774.	1.2	13
40	Preface to Special Topic: Invited Papers from the International Symposium on Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials, Aveiro, Portugal, 2009. Journal of Applied Physics, 2010, 108, 041901.	1.1	4
41	Ferroelectric transistors with improved characteristics at high temperature. Applied Physics Letters, 2010, 97, .	1.5	24
42	Tunable thin film bulk acoustic wave resonator based on Ba_xSr_{1-x}TiO₃ thin film. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 379-385.	1.7	45
43	Structural complexity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:msub><mml:mrow><mml:mtext>Na</mml:mtext> Physical Review B, 2010, 82, .	1.1	262
44	The stress-assisted enhancement of piezoelectric properties due to mechanically incompatible domain structures in BaTiO<inf>3</inf>. , 2010, , .		3
45	Evidence for dielectric aging due to progressive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>180</mml:mn><mml:mo>Â°</mml:mo></mml:mrow></mml:math>domain wall pinning in polydomain<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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55	Raman spectroscopy of (K,Na)NbO3 and (K,Na)1âˆ'xLixNbO3. Applied Physics Letters, 2008, 93, .	1.5	97
56	Reliability study of tunable ferroelectric capacitors. Journal of Applied Physics, 2008, 104, 064104.	1.1	3
57	Size effect in metal/ferroelectric/metal heterostructures:Depolarizing effect vs. short-range coupling. , 2008, , .		0
58	Transmission-electron-microscopy study of quasi-epitaxial tungsten-bronze (Sr2.5Ba2.5Nb10O30) thin film on perovskite (SrTiO3) single crystal. Journal of Materials Research, 2007, 22, 157-163.	1.2	5
59	Effects of Film Orientation on Ferroelectric and Piezoelectric Properties of Lanthanoid-Substituted Bi4Ti3O12Thin Films. Japanese Journal of Applied Physics, 2007, 46, 686-690.	0.8	2
60	Model of a low-permittivity and high-tunability ferroelectric based composite. Applied Physics Letters, 2007, 90, 162901.	1.5	36
61	Microwave phase shifters based on sol-gel derived Ba<inf>0</inf>.<inf>3</inf>Sr<inf>0</inf>.<inf>7</inf>TiO<inf>3</inf> ferroelectric thin films. , 2007, , .		6
62	Epitaxial growth of Ba0.3Sr0.7TiO3 thin films on Al2O3(0001) using ultrathin TiN layer as a sacrificial template. Applied Physics Letters, 2007, 90, 142911.	1.5	23
63	Rotator and extender ferroelectrics: Importance of the shear coefficient to the piezoelectric properties of domain-engineered crystals and ceramics. Journal of Applied Physics, 2007, 101, 054112.	1.1	203
64	Tuning of direct current bias-induced resonances in micromachined Ba0.3Sr0.7TiO3 thin-film capacitors. Journal of Applied Physics, 2007, 102, .	1.1	55
65	Annealing effect on dislocations in SrTiO3â•LaAlO3 heterostructures. Journal of Applied Physics, 2007, 101, 064102.	1.1	14
66	Uniaxial-stress induced phase transitions in [001]C-poled 0.955Pb(Zn1â•3Nb2â•3)O3â€"0.045PbTiO3. Applied Physics Letters, 2007, 90, 152907.	1.5	21
67	Qualitative distinction in enhancement of the piezoelectric response in PbTiO3 in proximity of coercive fields: 90Â° versus 180Â° switching. Journal of Applied Physics, 2007, 101, 104119.	1.1	5
68	Large and stable thickness coupling coefficients of [001]C-oriented KNbO3 and Li-modified (K,Na)NbO3 single crystals. Applied Physics Letters, 2007, 90, 062904.	1.5	43
69	Ferroelectricity in Asymmetric Metal-Ferroelectric-Metal Heterostructures: A Combined First-Principlesâ€"Phenomenological Approach. Physical Review Letters, 2007, 98, 207601.	2.9	93
70	A study of the phase diagram of (K,Na,Li)NbO3 determined by dielectric and piezoelectric measurements, and Raman spectroscopy. Journal of Applied Physics, 2007, 102, .	1.1	175
71	RELATION BETWEEN PROCESSING, MICROSTRUCTURE AND ELECTRIC FIELD-DEPENDENT DIELECTRIC PROPERTIES OF Ba_{0.3}Sr_{0.7}TiO₃ THIN FILMS ON ALUMINA SUBSTRATES. Integrated Ferroelectrics, 2007, 93, 119-125.	0.3	3
72	DC bias-dependent shift of the resonance frequencies in BST thin film membranes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 2487-2492.	1.7	17

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73	Quantum Well ZnCdTe/CdTe Structures with Integrated Ferroelectric Gates. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	1
74	Landau thermodynamic potential for BaTiO3. Journal of Applied Physics, 2007, 101, 104115.	1.1	99
75	Microwave phase shifters based on sol-gel derived Ba<inf>0.3</inf>Sr<inf>0.7</inf>TiO<inf>3</inf> ferroelectric thin films. , 2007, , .		2
76	Processing and dielectric characterization of Ba0.3Sr0.7TiO3 thin films on alumina substrates. Journal of the European Ceramic Society, 2007, 27, 2945-2948.	2.8	25
77	Growth process approaches for improved properties of tunable ferroelectric thin films. Journal of the European Ceramic Society, 2007, 27, 3753-3758.	2.8	5
78	Temperature stability of the piezoelectric properties of Li-modified KNN ceramics. Journal of the European Ceramic Society, 2007, 27, 4093-4097.	2.8	204
79	Nonvolatile gate effect in the PZT/AlGaN/GaN heterostructure. Journal of the European Ceramic Society, 2007, 27, 4307-4311.	2.8	6
80	Compositional Inhomogeneity in Liâ€•and Taâ€•Modified (K, Na)NbO₃ Ceramics. Journal of the American Ceramic Society, 2007, 90, 3485-3489.	1.9	156
81	Ionic Polarizability of Conductive Metal Oxides and Critical Thickness for Ferroelectricity inBaTiO3. Physical Review Letters, 2006, 96, 107603.	2.9	215
82	Growth of Single-Crystalline KNbO3Nanostructures. Journal of Physical Chemistry B, 2006, 110, 58-61.	1.2	157
83	Ferroelectric-dielectric tunable composites. Journal of Applied Physics, 2006, 99, 074104.	1.1	157
84	Cross-Sectional Imaging of Polarization Reversal in Ferroelectric Films. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
85	Electric-field-, temperature-, and stress-induced phase transitions in relaxor ferroelectric single crystals. Physical Review B, 2006, 73, .	1.1	265
86	Piezoelectric response and free-energy instability in the perovskite crystalsBaTiO3,PbTiO3, andPb(Zr,Ti)O3. Physical Review B, 2006, 73, .	1.1	131
87	Cross-Sectional Imaging of Polarization Reversal in Ferroelectric Films. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
88	Preparation and characterization of (K0.5Na0.5)NbO3 ceramics. Journal of the European Ceramic Society, 2006, 26, 861-866.	2.8	310
89	Broad-band dielectric response of PbMg1/3Nb2/3O3 relaxor ferroelectrics: Single crystals, ceramics and thin films. Journal of the European Ceramic Society, 2006, 26, 2867-2875.	2.8	91
90	Preface: Science of ferroelectric thin films and application to devices. Journal of Applied Physics, 2006, 100, 051501.	1.1	14

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91	Importance of a High Shear Coefficient to the Piezoelectric Properties of Domain-Engineered Crystals and Ceramics. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
92	Peculiar Features of the Dielectric Response in Lead Scandium Tantalate Pb(Sc1/2Ta1/2)O3 Thin Films. Materials Research Society Symposia Proceedings, 2006, 966, 1.	0.1	0
93	Nonvolatile Gate Effect in a Ferroelectric-Semiconductor Quantum Well. Physical Review Letters, 2006, 97, 247601.	2.9	11
94	Ferroelectric gate for control of transport properties of two-dimensional electron gas at AlGaNâˆ•GaN heterostructures. Applied Physics Letters, 2006, 88, 043512.	1.5	59
95	Epitaxialâˆ•amorphous Ba0.3Sr0.7TiO3 film composite structure for tunable applications. Applied Physics Letters, 2006, 89, 032905.	1.5	45
96	Extension of the dielectric tunability range in ferroelectric materials by electric bias field antiparallel to polarization. Applied Physics Letters, 2006, 88, 082903.	1.5	11
97	Ferroelectric film switching via oblique domain growth observed by cross-sectional nanoscale imaging. Applied Physics Letters, 2006, 89, 082906.	1.5	16
98	Temperature dependence of the direct piezoelectric effect in relaxor-ferroelectric single crystals: Intrinsic and extrinsic contributions. Journal of Applied Physics, 2006, 100, 084103.	1.1	77
99	Epitaxial growth of (SrBa)Nb2O6 thin films on SrTiO3 single crystal substrate. Journal of Applied Physics, 2006, 100, 104110.	1.1	24
100	Soft and central mode behaviour in PbMg1/3Nb2/3O3relaxor ferroelectric. Journal of Physics Condensed Matter, 2005, 17, 3965-3974.	0.7	91
101	Domain engineering of the transverse piezoelectric coefficient in perovskite ferroelectrics. Journal of Applied Physics, 2005, 98, 014102.	1.1	97
102	Preparation and Characterization of KNbO3 Ceramics. Journal of the American Ceramic Society, 2005, 88, 1754-1759.	1.9	120
103	The nonlinearity and subswitching hysteresis in hard and soft PZT. Journal of the European Ceramic Society, 2005, 25, 2483-2486.	2.8	61
104	Strain relaxation of epitaxial SrTiO3 thin films on LaAlO3 by two-step growth technique. Applied Physics Letters, 2005, 86, 142904.	1.5	43
105	Correlation between dielectric anisotropy and positive or zero transverse piezoelectric coefficients in perovskite ferroelectric single crystals. Applied Physics Letters, 2005, 87, 102904.	1.5	12
106	Microscopic aspects of the region-by-region polarization reversal kinetics of polycrystalline ferroelectric Pb(Zr,Ti)O3 films. Applied Physics Letters, 2005, 86, 012902.	1.5	47
107	Structural and dielectric properties of strain-controlled epitaxial SrTiO3 thin films by two-step growth technique. Journal of Applied Physics, 2005, 98, 054105.	1.1	24
108	Electric-field-induced orthorhombic to rhombohedral phase transition in [111]C-oriented 0.92Pb(Zn1âˆ•3Nb2âˆ•3)O3â€“0.08PbTiO3. Journal of Applied Physics, 2005, 97, 064101.	1.1	31

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109	Ferroelectric and piezoelectric properties of lanthanoid-substituted Bi4Ti3O12 thin films grown on (111)Pt and (100)IrO2 electrodes. Applied Physics Letters, 2005, 86, 172904.	1.5	29
110	Enhancement of the piezoelectric response of tetragonal perovskite single crystals by uniaxial stress applied along the polar axis: A free-energy approach. Physical Review B, 2005, 72, .	1.1	71
111	Surface-Stimulated Nucleation of Reverse Domains in Ferroelectrics. Physical Review Letters, 2005, 94, 107602.	2.9	83
112	Analytical modeling of the apparent d/sub 33/ piezoelectric coefficient determined by the direct quasistatic method for different boundary conditions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1897-1903.	1.7	5
113	Electric-Field-Induced Displacements in Pt/PZT/Pt/SiO2/Si System Investigated by Finite Element Method: Material-Constant Dependences. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	3
114	Strain Relaxation and Dislocation Confinement in Epitaxial SrTiO3 by Two-Step Growth Technique and the Resulting Dielectric Response. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	0
115	Piezoelectric properties of Li- and Ta-modified (K0.5Na0.5)NbO3 ceramics. Applied Physics Letters, 2005, 87, 182905.	1.5	769
116	Piezoelectric micromachined ultrasonic transducers based on PZT thin films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2276-2288.	1.7	262
117	Large enhancement of the piezoelectric response in perovskite crystals by electric bias field antiparallel to polarization. Applied Physics Letters, 2004, 85, 2890-2892.	1.5	34
118	Three-dimensional ferroelectric domain imaging of bulk Pb(Zr,Ti)O3 by atomic force microscopy. Applied Physics Letters, 2004, 84, 2382-2384.	1.5	34
119	Direct piezoelectric effect in relaxor-ferroelectric single crystals. Journal of Applied Physics, 2004, 95, 5679-5684.	1.1	52
120	Pyroelectric properties of (1â^'x)Pb(Mg1â^•3Nb2â^•3)O3-xPbTiO3 and (1â^'x)Pb(Zn1â^•3Nb2â^•3)O3-xPbTiO3 single crystals measured using a dynamic method. Journal of Applied Physics, 2004, 96, 2811-2815.	1.1	49
121	Ferroelectric property of an epitaxial lead zirconate titanate thin film deposited by a hydrothermal method. Journal of Materials Research, 2004, 19, 1862-1868.	1.2	32
122	Lead Free Piezoelectric Materials. Journal of Electroceramics, 2004, 13, 385-392.	0.8	603
123	Microstructural and electrical properties of (Sr,Ba)Nb2O6 thin films grown by pulsed laser deposition. Journal of the European Ceramic Society, 2004, 24, 1573-1577.	2.8	16
124	Kinetics of polarization reversal in ferroelectric films: role of domain nucleation and domain wall motion. Ceramics International, 2004, 30, 1095-1099.	2.3	3
125	Direct observation of the B-site cationic order in the ferroelectric relaxor Pb(Mg1â^•3Ta2â^•3)O3. Journal of Applied Physics, 2004, 96, 3870-3875.	1.1	14
126	Ferroelectric properties of an epitaxial lead zirconate titanate thin film deposited by a hydrothermal method below the Curie temperature. Applied Physics Letters, 2004, 84, 5094-5096.	1.5	52

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127	Piezoelectric Response and Polarization Switching in Small Anisotropic Perovskite Particles. Nano Letters, 2004, 4, 1339-1342.	4.5	106
128	Nature of nonlinear imprint in ferroelectric films and long-term prediction of polarization loss in ferroelectric memories. Journal of Applied Physics, 2004, 96, 6616-6623.	1.1	80
129	New Sol-Gel Route for Processing of PMN Thin Films. Journal of Sol-Gel Science and Technology, 2003, 26, 1109-1112.	1.1	3
130	{1 0 0}-Textured, piezoelectric Pb(Zrx, Ti1âˆ'x)O3 thin films for MEMS: integration, deposition and properties. Sensors and Actuators A: Physical, 2003, 105, 162-170.	2.0	375
131	Monodomain versus polydomain piezoelectric response of 0.67Pb(Mg1/3Nb2/3)O3â€“0.33PbTiO3 single crystals along nonpolar directions. Applied Physics Letters, 2003, 83, 527-529.	1.5	103
132	Piezoelectric anisotropyâ€“phase transition relations in perovskite single crystals. Journal of Applied Physics, 2003, 94, 6753-6761.	1.1	149
133	Shift of Phase Transition Temperature in Strontium Titanate Thin Films. Integrated Ferroelectrics, 2003, 58, 1371-1379.	0.3	16
134	Properties of ferroelectric PbTiO3 thin films. Journal of Applied Physics, 2002, 91, 1495-1501.	1.1	56
135	Evidence for forward domain growth being rate-limiting step in polarization switching in â€˜111â€‰-oriented-Pb(Zr0.45Ti0.55)O3 thin-film capacitors. Applied Physics Letters, 2002, 81, 3437-3439.	1.5	31
136	Unusual size effect on the polarization patterns in micron-size Pb(Zr,Ti)O3 film capacitors. Applied Physics Letters, 2002, 80, 4804-4806.	1.5	50
137	Investigation of Electrical Degradation Effects in Ferroelectric Thin Film Based Tunable Microwave Components. Integrated Ferroelectrics, 2002, 49, 103-112.	0.3	2
138	Sol-Gel Derived Pb(Sc0.5Nb0.5)O3Thin Films: Processing and Dielctric Properties. Japanese Journal of Applied Physics, 2002, 41, 6765-6767.	0.8	4
139	PMN-PT thin films: Electromechanical behaviour, polarisability and microstructure. Materials Research Society Symposia Proceedings, 2002, 748, 1.	0.1	0
140	Non-Kolmogorov-Avrami switching kinetics in ferroelectric thin films. Physical Review B, 2002, 66, .	1.1	409
141	Crystal orientation dependence of the piezoelectric d33 coefficient in tetragonal BaTiO3 as a function of temperature. Applied Physics Letters, 2002, 80, 652-654.	1.5	96
142	Insights in the solâ€“gel processing of Pb(Mg1/3Nb2/3)O3. The synthesis and crown structure of a new lead magnesium cluster: Pb6Mg12(Î¼-OAc)6(Î¼2,Î·2-OAc)18(Î¼3,Î·2-OC2H4OPri)12. Inorganic Chemistry Communication, 2002, 5, 316-318.	1.8	6
143	Investigation of Electrical Degradation Effects in Ferroelectric Thin Film Based Tunable Microwave Components. Integrated Ferroelectrics, 2002, 49, 103-112.	0.3	4
144	Electromechanicalâ€‰propertiesâ€‰andâ€‰self-polarizationâ€‰inâ€‰relaxor Pb(Mg1/3Nb2/3)O3 thin films. Journal of Applied Physics, 2001, 89, 1393-1401.	1.1	73

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145	Dielectric and electromechanical properties of ferroelectric-relaxor 0.9 Pb(Mg1/3Nb2/3)O3â€“0.1PbTiO3 thin films. Journal of Applied Physics, 2001, 90, 4682-4689.	1.1	56
146	Characterization of the effective electrostriction coefficients in ferroelectric thin films. Journal of Applied Physics, 2001, 89, 8066-8073.	1.1	130
147	Polarization fatigue in ferroelectric films: Basic experimental findings, phenomenological scenarios, and microscopic features. Journal of Applied Physics, 2001, 90, 1387-1402.	1.1	549
148	Principle of ferroelectric domain imaging using atomic force microscope. Journal of Applied Physics, 2001, 89, 1377-1386.	1.1	293
149	Excess lead in the perovskite lattice of pzt thin films made by in-situ reactive sputtering. Integrated Ferroelectrics, 2001, 36, 53-62.	0.3	25
150	Electroceramics: looking ahead. Journal of the European Ceramic Society, 2001, 21, 1279-1293.	2.8	94
151	Processing and Properties of Screenâ€Printed Lead Zirconate Titanate Piezoelectric Thick Films on Electroded Silicon. Journal of the American Ceramic Society, 2001, 84, 2863-2868.	1.9	58
152	Quantitative analysis of the bit size dependence on the pulse width and pulse voltage in ferroelectric memory devices using atomic force microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 818.	1.6	77
153	Preisach modeling of piezoelectric nonlinearity in ferroelectric ceramics. Journal of Applied Physics, 2001, 89, 5067-5074.	1.1	121
154	Electroceramic materials. Acta Materialia, 2000, 48, 151-178.	3.8	377
155	Microstructural evolution of dense and porous pyroelectric Pb_{1â^'x}Ca_xTiO₃ thin films. Journal of Materials Research, 1999, 14, 2012-2022.	1.2	30
156	Effect of dopants on the crystallization mechanism of PZT thin films. Ferroelectrics, 1999, 225, 327-334.	0.3	5
157	Preparation and electromechanical properties of Pb(Mg1/3Nb2/3)O3thin film. Ferroelectrics, 1999, 224, 291-298.	0.3	4
158	High figure-of-merit porous Pb1â^'xCaxTiO3 thin films for pyroelectric applications. Applied Physics Letters, 1998, 72, 2409-2411.	1.5	65
159	Direct observation of region by region suppression of the switchable polarization (fatigue) in Pb(Zr,Ti)O3 thin film capacitors with Pt electrodes. Applied Physics Letters, 1998, 72, 2763-2765.	1.5	215
160	Discrimination between bulk and interface scenarios for the suppression of the switchable polarization (fatigue) in Pb(Zr,Ti)O3 thin films capacitors with Pt electrodes. Applied Physics Letters, 1998, 72, 2478-2480.	1.5	209
161	Removal of 90Â° domain pinning in (100)â€‰Pb(Zr0.15Ti0.85)O3 thin films by pulsed operation. Applied Physics Letters, 1998, 72, 3217-3219.	1.5	119
162	Dielectric Properties of Complex Perovskite Lead Scandium Tantalate under dc Bias. Journal of the American Ceramic Society, 1998, 81, 1577-1582.	1.9	23

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163	Microfabricated Lamb wave device based on PZT sol-gel thin film for mechanical transport of solid particles and liquids. Journal of Microelectromechanical Systems, 1997, 6, 337-346.	1.7	89
164	Sol-gel processing of pnzst thin films on and metallizations. Journal of the European Ceramic Society, 1997, 17, 1231-1238.	2.8	7
165	PZT phase formation monitored by high-temperature X-ray diffractometry. Journal of the European Ceramic Society, 1997, 17, 813-818.	2.8	16
166	Use of Ferroelectric Hysteresis Parameters for Evaluation of Niobium Effects in Lead Zirconate Titanate Thin Films. Journal of the American Ceramic Society, 1997, 80, 336-342.	1.9	38
167	Design of novel thin-film piezoelectric accelerometer. Sensors and Actuators A: Physical, 1996, 56, 239-249.	2.0	118
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