

D Damjanovic

List of Publications by Year in descending order

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243
papers

25,953
citations

9234

74
h-index

6454

157
g-index

250
all docs

250
docs citations

250
times ranked

11763
citing authors

#	ARTICLE	IF	CITATIONS
1	Induced giant piezoelectricity in centrosymmetric oxides. <i>Science</i> , 2022, 375, 653-657.	6.0	59
2	Pyroelectric material property considerations for x-ray generation. <i>Journal of Applied Physics</i> , 2022, 131, 114503.	1.1	3
3	Dielectric and electro-mechanic nonlinearities in perovskite oxide ferroelectrics, relaxors, and relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	19
4	Surface modified microfibrillated cellulose-poly(vinylidene fluoride) composites: Phase formation, viscoelastic and dielectric performance. <i>Polymer International</i> , 2021, 70, 1316-1328.	1.6	2
5	Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. <i>Science</i> , 2021, 372, 961-964.	6.0	84
6	Atomic scale symmetry and polar nanoclusters in the paraelectric phase of ferroelectric materials. <i>Nature Communications</i> , 2021, 12, 3509.	5.8	51
7	Individual Barkhausen Pulses of Ferroelastic Nanodomains. <i>Physical Review Letters</i> , 2021, 127, 167601.	2.9	12
8	Connecting the Multiscale Structure with Macroscopic Response of Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2020, 30, 2006823.	7.8	34
9	Macroscopic polarization in the nominally ergodic relaxor state of lead magnesium niobate. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	5
10	Stretchable piezoelectric elastic composites for sensors and energy generators. <i>Composites Part B: Engineering</i> , 2020, 198, 108211.	5.9	30
11	Balancing hyperbole and impact in research communications related to lead-free piezoelectric materials. <i>Journal of Materials Science</i> , 2020, 55, 10971-10974.	1.7	4
12	Dynamic piezoelectric response of relaxor single crystal under electrically driven inter-ferroelectric phase transformations. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	6
13	Ultra-high piezoresponse in tantalum doped potassium sodium niobate single crystal. <i>Applied Physics Letters</i> , 2020, 116, 112902.	1.5	4
14	Interface-Dominated Time-Dependent Behavior of Poled Poly(Vinylidene Fluoride)-Trifluoroethylene Composites. <i>Journal of Applied Physics</i> , 2020, 128, 044101.	1.3	7
15	A quasi-rayleigh model for modeling hysteresis of piezoelectric actuators. <i>Smart Materials and Structures</i> , 2020, 29, 075012.	1.8	10
16	Local hard and soft pinning of 180° domain walls in BaTiO ₃ probed by in situ transmission electron microscopy. <i>Physical Review Materials</i> , 2020, 4, .	0.9	11
17	Direct Visualization of Polar Nanoregions in BaTiO ₃ -based Ferroelectrics Above Curie Temperature. <i>Microscopy and Microanalysis</i> , 2019, 25, 1910-1911.	0.2	0
18	Depolarization of multidomain ferroelectric materials. <i>Nature Communications</i> , 2019, 10, 2547.	5.8	93

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19	Giant shape memory and domain memory effects in antiferroelectric single crystals. <i>Materials Horizons</i> , 2019, 6, 1699-1706.	6.4	27
20	Vapour growth, morphology, absolute structure and pyroelectric coefficient of <i>meta</i> -nitroaniline single crystals. <i>Journal of Applied Crystallography</i> , 2019, 52, 564-570.	1.9	2
21	Flexoelectricity in Bones. <i>Advanced Materials</i> , 2018, 30, 1705316.	11.1	115
22	Frequency-dependent decoupling of domain-wall motion and lattice strain in bismuth ferrite. <i>Nature Communications</i> , 2018, 9, 4928.	5.8	28
23	Improved mechanical dispersion or use of coupling agents? Advantages and disadvantages for the properties of fluoropolymer/ceramic composites. <i>Polymer</i> , 2018, 154, 8-16.	1.8	18
24	Long-range symmetry breaking in embedded ferroelectrics. <i>Nature Materials</i> , 2018, 17, 814-819.	13.3	87
25	Local Structural Heterogeneity and Electromechanical Responses of Ferroelectrics: Learning from Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2018, 28, 1801504.	7.8	260
26	Revealing the sequence of switching mechanisms in polycrystalline ferroelectric/ferroelastic materials. <i>Acta Materialia</i> , 2018, 157, 355-363.	3.8	56
27	Strain generation and energy-conversion mechanisms in lead-based and lead-free piezoceramics. <i>MRS Bulletin</i> , 2018, 43, 588-594.	1.7	18
28	Nanoscale Defect Engineering and the Resulting Effects on Domain Wall Dynamics in Ferroelectric Thin Films. <i>Advanced Functional Materials</i> , 2017, 27, 1605196.	7.8	21
29	Ferroelectric domain continuity over grain boundaries. <i>Acta Materialia</i> , 2017, 128, 400-405.	3.8	38
30	Piezoelectric softening by Nb substitution in (Ba,Pb)ZrO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1885-1895.	1.9	3
31	Nonlinear dynamics of polar regions in paraelectric phase of (Ba _{1-x} Sr _x)TiO ₃ ceramics. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	22
32	High diffusion barrier and piezoelectric nanocomposites based on polyvinylidene fluoride-trifluoroethylene copolymer and hydrophobized clay. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1828-1836.	2.4	1
33	Domain walls and defects in ferroelectric materials. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 10PA01.	0.8	20
34	Atomic-Scale Investigations of Domain Walls in Polycrystalline BiFeO ₃ . <i>Microscopy and Microanalysis</i> , 2017, 23, 1618-1619.	0.2	0
35	Domain-wall conduction in ferroelectric BiFeO ₃ controlled by accumulation of charged defects. <i>Nature Materials</i> , 2017, 16, 322-327.	13.3	288
36	An All-Organic Elastomeric Electret Composite. <i>Advanced Materials</i> , 2017, 29, 1603813.	11.1	29

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37	Self-Poling of BiFeO ₃ Thick Films. ACS Applied Materials & Interfaces, 2016, 8, 19626-19634.	4.0	11
38	Atomically Resolved Local Structure of Conductive Domain Walls in Ferroelectric BiFeO ₃ . Microscopy and Microanalysis, 2016, 22, 1828-1829.	0.2	0
39	Symmetry breaking in hexagonal and cubic polymorphs of BaTiO ₃ . Journal of Applied Physics, 2016, 119, .	1.1	23
40	Piezoelectric response of BiFeO ₃ ceramics at elevated temperatures. Applied Physics Letters, 2016, 109, .	1.5	42
41	Free-Carrier-Compensated Charged Domain Walls Produced with Super-Bandgap Illumination in Insulating Ferroelectrics. Advanced Materials, 2016, 28, 9498-9503.	11.1	20
42	Role of charged defects on the electrical and electromechanical properties of rhombohedral PbO_3 with asymmetric defects. Physical Review B, 2016, 93, .	1.1	22
43	walls and interactions with defects in $PbTiO_3$. Physical Review B, 2016, 93, .	1.1	22
44	The negative piezoelectric effect of the ferroelectric polymer poly(vinylidene fluoride). Nature Materials, 2016, 15, 78-84.	13.3	329
45	In-situ structural investigations of ferroelasticity in soft and hard rhombohedral and tetragonal PZT. Journal of Applied Physics, 2015, 118, .	1.1	39
46	Formation of charged ferroelectric domain walls with controlled periodicity. Scientific Reports, 2015, 5, 15819.	1.6	83
47	Electric-Field-Induced Domain Switching and Domain Texture Relaxations in Bulk Bismuth Ferrite. Journal of the American Ceramic Society, 2015, 98, 3884-3890.	1.9	31
48	Transferring lead-free piezoelectric ceramics into application. Journal of the European Ceramic Society, 2015, 35, 1659-1681.	2.8	1,050
49	Mobile Domain Walls as a Bridge between Nanoscale Conductivity and Macroscopic Electromechanical Response. Advanced Functional Materials, 2015, 25, 2099-2108.	7.8	80
50	Compositional behavior of Raman-active phonons in $PbTiO_3$.	1.1	72
51	Effect of interfacial interactions on the electromechanical response of poly(vinylidene) Science and Technology, 2015, 114, 103-109.	3.8	19
52	Textured BaTiO ₃ by templated grain growth and electrophoretic deposition. Journal of Materials Science, 2015, 50, 7896-7907.	1.7	25
53	Breaking of macroscopic centric symmetry in paraelectric phases of ferroelectric materials and implications for flexoelectricity. Nature Materials, 2015, 14, 224-229.	13.3	183
54	Solid Solutions of Lead Metaniobate 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

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55	Process influences on the structure, piezoelectric, and gas barrier properties of PVDF/TrFE copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 496-506.	2.4	61
56	Effect of silane coupling agent on the morphology, structure, and properties of poly(vinylidene fluoride)/poly(ethylene terephthalate) nanocomposites. Journal of Applied Physics, 2013, 114, 114101.	1.7	54
57	BiFeO ₃ Ceramics: Processing, Electrical, and Electromechanical Properties. Journal of the American Ceramic Society, 2014, 97, 1993-2011.	1.9	388
58	Anelastic relaxor behavior of Pb(Mg _{1/3} Nb _{2/3})O ₃ . Applied Physics Letters, 2013, 103, 072904.	1.5	8
59	Defect ordering and defect domain-wall interactions in PbTiO ₃ . Physical Review B, 2013, 88, 080401.	1.1	100
60	Conductivity and Ferroelectric Hysteresis in Bi ₄ Ti ₃ O ₁₂ Single Crystals Around Room Temperature. Ferroelectrics, 2013, 448, 114-122.	0.3	6
61	Effects of Nb doping in lead barium zirconate ceramics. , 2013, , .		2
62	Two-stage processes of electrically induced-ferroelectric to relaxor transition in 0.94(Bi _{1/2} Na _{1/2})TiO ₃ -0.06BaTiO ₃ . Applied Physics Letters, 2013, 102, .	1.5	182
63	Structure and phase transitions in 0.5(Ba _{0.7} Ca _{0.3} TiO ₃)-0.5(BaZr _{0.2} Ti _{0.8} O ₃) from 100°C to 150°C. Journal of Applied Physics, 2013, 113, .	1.1	110
64	An in situ diffraction study of domain wall motion contributions to the frequency dispersion of the piezoelectric coefficient in lead zirconate titanate. Applied Physics Letters, 2013, 102, .	1.5	24
65	Conductivity and optical absorption in Bi ₄ Ti ₃ O ₁₂ single crystals. , 2012, , .		0
66	Deaging and Asymmetric Energy Landscapes in Electrically Biased Ferroelectrics. Physical Review Letters, 2012, 108, 177601.	2.9	48
67	Critical mechanical and electrical transition behavior of BaTiO ₃ : The observation of mechanical double loop behavior. Journal of Applied Physics, 2012, 112, .	1.1	25
68	Structure and properties of Fe-modified Na _{0.5} Bi _{0.5} TiO ₃ . Journal of Applied Physics, 2012, 112, .	1.1	175
69	Piezoelectric nonlinearity and frequency dispersion of the direct piezoelectric response of BiFeO ₃ ceramics. Journal of Applied Physics, 2012, 112, .	1.1	40
70	Structure and properties of La-modified Na _{0.5} Bi _{0.5} TiO ₃ at ambient and elevated temperatures. Journal of Applied Physics, 2012, 112, .	1.1	44
71	Phase field simulations of ferroelastic toughening: The influence of phase boundaries and domain structures. Acta Materialia, 2012, 60, 5172-5181.	3.8	20
72	Substrate Clamping Effects on Irreversible Domain Wall Dynamics in Lead Zirconate Titanate Thin Films. Physical Review Letters, 2012, 108, 157604.	2.9	109

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73	Elastic, dielectric, and piezoelectric anomalies and Raman spectroscopy of $0.5\text{Ba}(\text{Ti}_{0.8}\text{Zr}_{0.2})\text{O}_3\text{-}0.5(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$. Applied Physics Letters, 2012, 100, .	1.5	156
74	Lead-Free Relaxor-Like $0.75\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ Ceramics with Large Electric Field-Induced Strain. Ferroelectrics, 2012, 439, 88-94.	0.3	26
75	Enhanced electromechanical response of ferroelectrics due to charged domain walls. Nature Communications, 2012, 3, 748.	5.8	265
76	Structure and the Electrical Properties of $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Zirconia Composites. Journal of the American Ceramic Society, 2012, 95, 651-657.	1.9	29
77	Effect of Uniaxial Compressive Stress on Dielectric and Piezoelectric Responses in Lead Zirconate Titanate Based Ceramics. Journal of the American Ceramic Society, 2012, 95, 1656-1660.	1.9	18
78	The effect of processing conditions on the morphology, thermomechanical, dielectric, and piezoelectric properties of P(VDF-TrFE)/BaTiO ₃ composites. Journal of Materials Science, 2012, 47, 4763-4774.	1.7	68
79	Evolving morphotropic phase boundary in lead-free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -BaTiO ₃ piezoceramics. Journal of Applied Physics, 2011, 109, .	1.1	405
80	Determination of depolarization temperature of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -based lead-free piezoceramics. Journal of Applied Physics, 2011, 110, .	1.1	268
81	Unusual dielectric behavior and domain structure in rhombohedral phase of BaTiO ₃ single crystals. Journal of Applied Physics, 2011, 110, 014101.	1.1	12
82	Antiferroelectric-ferroelectric phase boundary enhances polarization extension in rhombohedral $\text{Pb}(\text{Zr,Ti})\text{O}_3$. Applied Physics Letters, 2011, 99, 232906.	1.5	19
83	Effect of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ on Properties at and off the Morphotropic Phase Boundary in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ Ceramics. Japanese Journal of Applied Physics, 2011, 50, 055802.	0.8	26
84	Strain-modulated piezoelectric and electrostrictive nonlinearity in ferroelectric thin films without active ferroelastic domain walls. Journal of Applied Physics, 2011, 110, 124104.	1.1	23
85	Origins of Electro-Mechanical Coupling in Polycrystalline Ferroelectrics During Subcoercive Electrical Loading. Journal of the American Ceramic Society, 2011, 94, 293-309.	1.9	310
86	Large Electric Field Induced Strain in BiFeO_3 Ceramics. Journal of the American Ceramic Society, 2011, 94, 4108-4111.	1.9	73
87		1.1	72
88	Lead-free high-temperature dielectrics with wide operational range. Journal of Applied Physics, 2011, 109, .	1.1	176
89	Position of defects with respect to domain walls in Fe^{3+} -doped $\text{Pb}[\text{Zr}_{0.52}\text{Ti}_{0.48}]\text{O}_3$ piezoelectric ceramics. Applied Physics Letters, 2011, 98, .	1.5	77
90	Dielectric and piezoelectric properties of PZT ceramics with anisotropic porosity. Journal of Electroceramics, 2010, 24, 170-176.	0.8	21

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91	Effect of Nb-donor and Fe-acceptor dopants in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3\text{-}(K_{0.5}\text{Na}_{0.5})\text{NbO}_3$ lead-free piezoceramics. Journal of Applied Physics, 2010, 108, .	1.1	75
92	WHAT CAN BE EXPECTED FROM LEAD-FREE PIEZOELECTRIC MATERIALS?. Functional Materials Letters, 2010, 03, 5-13.	0.7	311
93	Collective dynamics underpins Rayleigh behavior in disordered polycrystalline ferroelectrics. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7219-7224.	3.3	112
94	A morphotropic phase boundary system based on polarization rotation and polarization extension. Applied Physics Letters, 2010, 97, .	1.5	542
95	Domain wall contributions in $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ ceramics at morphotropic phase boundary: A study of dielectric dispersion. Applied Physics Letters, 2010, 96, .	1.5	98
96	Charge migration in $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ ceramics and its relation to ageing, hardening, and softening. Journal of Applied Physics, 2010, 107, .	1.1	158
97	Structural complexity of $\text{Na}_{1-x}\text{Bi}_x\text{TiO}_3$ ferroelectric materials. Physical Review B, 2010, 82, .	1.1	262
98	Strong ferroelectric domain-wall pinning in BiFeO_3 ceramics. Journal of Applied Physics, 2010, 108, .	1.1	281
99	The stress-assisted enhancement of piezoelectric properties due to mechanically incompatible domain structures in BaTiO_3 . , 2010, , .		3
100	Lattice dynamics and dielectric response of undoped, soft and hard $\text{PbZr}_{0.42}\text{Ti}_{0.58}\text{O}_3$. Phase Transitions, 2010, 83, 917-930.	0.6	50
101	PFM investigation of stress induced ferroelastic switching in piezoelectric bulk ceramics. , 2010, , .		0
102	Separation of piezoelectric grain resonance and domain wall dispersion in $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ ceramics. Applied Physics Letters, 2009, 94, .	1.5	53
103	Evidence for dielectric aging due to progressive domain wall pinning in polydomain $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ ceramics. Applied Physics Letters, 2009, 94, .		

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109	Nanodomains in Fe ³⁺ -doped lead zirconate titanate ceramics at the morphotropic phase boundary do not correlate with high properties. Applied Physics Letters, 2009, 95, .	1.5	96
110	High-Temperature Instability of Li- and Ta-Modified (K,Na)NbO ₃ Piezoceramics. Journal of the American Ceramic Society, 2008, 91, 1962-1970.	1.9	112
111	Hardening-softening transition in Fe-doped Pb(Zr,Ti)O ₃ ceramics and evolution of the third harmonic of the polarization response. Journal of Applied Physics, 2008, 104, .	1.1	145
112	Lead-Based Piezoelectric Materials. , 2008, , 59-79.		9
113	Raman spectroscopy of (K,Na)NbO ₃ and (K,Na) _{1-x} Li _x NbO ₃ . Applied Physics Letters, 2008, 93, .	1.5	97
114	Mechanisms of aging in ferroelectrics: The orientation of dipoles versus the charge drift. , 2008, , .		0
115	Enhancement of piezoelectric properties in perovskite crystals by thermally, compositionally, electric field and stress-induced instabilities. , 2008, , 304-332.		7
116	Neutron diffraction study of the polarization reversal mechanism in [111]c-oriented Pb(Zn _{1-3x} Nb _{2x})O _{3-x} PbTiO ₃ . Journal of Applied Physics, 2007, 101, 104108.	1.1	43
117	Giant domain wall contribution to the dielectric susceptibility in BaTiO ₃ single crystals. Applied Physics Letters, 2007, 91, .	1.5	37
118	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
119	Uniaxial-stress induced phase transitions in [001]C-poled 0.955Pb(Zn _{1-3x} Nb _{2x})O _{3-x} 0.045PbTiO ₃ . Applied Physics Letters, 2007, 90, 152907.	1.5	21
120	Qualitative distinction in enhancement of the piezoelectric response in PbTiO ₃ in proximity of coercive fields: 90° versus 180° switching. Journal of Applied Physics, 2007, 101, 104119.	1.1	5
121	Large and stable thickness coupling coefficients of [001]C-oriented KNbO ₃ and Li-modified (K,Na)NbO ₃ single crystals. Applied Physics Letters, 2007, 90, 062904.	1.5	43
122	A study of the phase diagram of (K,Na,Li)NbO ₃ determined by dielectric and piezoelectric measurements, and Raman spectroscopy. Journal of Applied Physics, 2007, 102, .	1.1	175
123	Landau thermodynamic potential for BaTiO ₃ . Journal of Applied Physics, 2007, 101, 104115.	1.1	99
124	Cation vacancies in ferroelectric PbTiO_3		

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127	Domain wall contributions to the properties of piezoelectric thin films. Journal of Electroceramics, 2007, 19, 49-67.	0.8	252
128	Hysteresis in Piezoelectric and Ferroelectric Materials. , 2006, , 337-465.		139
129	Anharmonicity of BaTiO ₃ single crystals. Physical Review B, 2006, 73, .	1.1	30
130	Electric-field-, temperature-, and stress-induced phase transitions in relaxor ferroelectric single crystals. Physical Review B, 2006, 73, .	1.1	265
131	Piezoelectric response and free-energy instability in the perovskite crystals BaTiO ₃ , PbTiO ₃ , and Pb(Zr,Ti)O ₃ . Physical Review B, 2006, 73, .	1.1	131
132	Piezoelectric nonlinearity in ferroelectric thin films. Journal of Applied Physics, 2006, 100, 044107.	1.1	36
133	Preparation and characterization of (K _{0.5} Na _{0.5})NbO ₃ ceramics. Journal of the European Ceramic Society, 2006, 26, 861-866.	2.8	310
134	Ferroelectric thin films: Review of materials, properties, and applications. Journal of Applied Physics, 2006, 100, 051606.	1.1	1,480
135	Piezoelectric anisotropy: Enhanced piezoelectric response along nonpolar directions in perovskite crystals. Journal of Materials Science, 2006, 41, 65-76.	1.7	90
136	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
137	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
138	Piezoelectric nonlinearity due to motion of 180° domain walls in ferroelectric materials at subcoercive fields: A dynamic poling model. Applied Physics Letters, 2006, 88, 202901.	1.5	107
139	Dielectric nonlinearity and polarization anharmonicity of BaTiO ₃ . Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
140	Piezoelectric anisotropy: Enhanced piezoelectric response along nonpolar directions in perovskite crystals. , 2006, , 65-76.		0
141	Piezoelectric Relaxation and Nonlinearity Investigated by Optical Interferometry and Dynamic Press Technique. , 2005, , 251-261.		0
142	Development of relaxor ferroelectric materials for screen-printing on alumina and silicon substrates. Journal of the European Ceramic Society, 2005, 25, 2125-2128.	2.8	13
143	Domain engineering of the transverse piezoelectric coefficient in perovskite ferroelectrics. Journal of Applied Physics, 2005, 98, 014102.	1.1	97
144	Preparation and Characterization of KNbO ₃ Ceramics. Journal of the American Ceramic Society, 2005, 88, 1754-1759.	1.9	120

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145	Contributions to the Piezoelectric Effect in Ferroelectric Single Crystals and Ceramics. Journal of the American Ceramic Society, 2005, 88, 2663-2676.	1.9	558
146	The nonlinearity and subswitching hysteresis in hard and soft PZT. Journal of the European Ceramic Society, 2005, 25, 2483-2486.	2.8	61
147	Toward a unified description of nonlinearity and frequency dispersion of piezoelectric and dielectric responses in Pb(Zr,Ti)O ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 120, 170-174.	1.7	23
148	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
149	Electric-field-induced orthorhombic to rhombohedral phase transition in [111]C-oriented 0.92Pb(Zn _{1-x} Nb _{2x/3})O ₃ -0.08PbTiO ₃ . Journal of Applied Physics, 2005, 97, 064101.	1.1	31
150	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
151	Analytical modeling of the apparent d 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
152	Piezoelectric properties of Li- and Ta-modified (K _{0.5} Na _{0.5})NbO ₃ ceramics. Applied Physics Letters, 2005, 87, 182905.	1.5	769
153	Piezoelectricity. , 2005, , 300-309.		3
154	The Effect of Boundary Conditions and Sample Aspect Ratio on Apparent d ₃₃ Piezoelectric Coefficient Determined by Direct Quasistatic Method. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 262-270.	1.7	2
155	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
156	Direct piezoelectric effect in relaxor-ferroelectric single crystals. Journal of Applied Physics, 2004, 95, 5679-5684.	1.1	52
157	Analysis of the Non Linear Domain Wall Response in Ferroelectric Thin Films. Ferroelectrics, 2004, 303, 59-63.	0.3	12
158	Pyroelectric properties of (1-x)Pb(Mg _{1-x/3} Nb _{2x/3})O ₃ -xPbTiO ₃ and (1-x)Pb(Zn _{1-x/3} Nb _{2x/3})O ₃ -xPbTiO ₃ single crystals measured using a dynamic method. Journal of Applied Physics, 2004, 96, 2811-2815.	1.1	49
159	Pb(Mg _{1/3} Nb _{2/3})O ₃ and (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ Relaxor Ferroelectric Thick Films: Processing and Electrical Characterization. , 2004, 12, 151-161.		28
160	Lead Free Piezoelectric Materials. Journal of Electroceramics, 2004, 13, 385-392.	0.8	603
161	The effect of boundary conditions and sample aspect ratio on apparent d ₃₃ /piezoelectric coefficient determined by direct quasistatic method. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 262-270.	1.7	23
162	New Sol-Gel Route for Processing of PMN Thin Films. Journal of Sol-Gel Science and Technology, 2003, 26, 1109-1112.	1.1	3

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163	Monodomain versus polydomain piezoelectric response of 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“0.33PbTiO ₃ single crystals along nonpolar directions. Applied Physics Letters, 2003, 83, 527-529.	1.5	103
164	Piezoelectric response of thin films determined by charge integration technique: Substrate bending effects. Journal of Applied Physics, 2003, 93, 4756-4760.	1.1	66
165	Piezoelectric anisotropyâ€“phase transition relations in perovskite single crystals. Journal of Applied Physics, 2003, 94, 6753-6761.	1.1	149
166	Dielectric and piezoelectric properties of relaxor Pb(Sr _{1/2} Nb _{1/2})O ₃ thin films. Applied Physics Letters, 2003, 83, 1614-1616.	1.5	9
167	Properties of ferroelectric PbTiO ₃ thin films. Journal of Applied Physics, 2002, 91, 1495-1501.	1.1	56
168	Piezoelectric Properties of SrBi ₄ Ti ₄ O ₁₅ Ferroelectric Ceramics. Journal of Materials Research, 2002, 17, 1376-1384.	1.2	35
169	Sol-Gel Derived Pb(Sr _{0.5} Nb _{0.5})O ₃ Thin Films: Processing and Dielectric Properties. Japanese Journal of Applied Physics, 2002, 41, 6765-6767.	0.8	4
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171	Properties of Chemical Solution Deposited Polycrystalline Neodymium-Modified Bi ₄ Ti ₃ O ₁₂ . , 2002, 9, 187-192.		7
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