

D Damjanovic

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#	Paper	IF	Citations
229	Perspective on the Development of Lead-free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1153-1177	3.8	2236
228	Ferroelectric, dielectric and piezoelectric properties of ferroelectric thin films and ceramics. <i>Reports on Progress in Physics</i> , 1998 , 61, 1267-1324	14.4	1504
227	Ferroelectric thin films: Review of materials, properties, and applications. <i>Journal of Applied Physics</i> , 2006 , 100, 051606	2.5	1262
226	Transferring lead-free piezoelectric ceramics into application. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1659-1681	6	823
225	Piezoelectric properties of Li- and Ta-modified (K _{0.5} Na _{0.5})NbO ₃ ceramics. <i>Applied Physics Letters</i> , 2005 , 87, 182905	3.4	702
224	Lead Free Piezoelectric Materials. <i>Journal of Electroceramics</i> , 2004 , 13, 385-392	1.5	536
223	Origin of the large strain response in (K _{0.5} Na _{0.5})NbO ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ BaTiO ₃ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2009 , 105, 094102	2.5	493
222	Contributions to the Piezoelectric Effect in Ferroelectric Single Crystals and Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 2663-2676	3.8	470
221	A morphotropic phase boundary system based on polarization rotation and polarization extension. <i>Applied Physics Letters</i> , 2010 , 97, 062906	3.4	464
220	Evolving morphotropic phase boundary in lead-free (Bi _{1/2} Na _{1/2})TiO ₃ BaTiO ₃ piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 109, 014110	2.5	361
219	Materials for high temperature piezoelectric transducers. <i>Current Opinion in Solid State and Materials Science</i> , 1998 , 3, 469-473	12	343
218	Stress and frequency dependence of the direct piezoelectric effect in ferroelectric ceramics. <i>Journal of Applied Physics</i> , 1997 , 82, 1788-1797	2.5	327
217	High-Strain Lead-free Antiferroelectric Electrostrictors. <i>Advanced Materials</i> , 2009 , 21, 4716-4720	24	321
216	BiFeO ₃ Ceramics: Processing, Electrical, and Electromechanical Properties. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1993-2011	3.8	288
215	Preparation and characterization of (K _{0.5} Na _{0.5})NbO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 861-866	6	272
214	WHAT CAN BE EXPECTED FROM LEAD-FREE PIEZOELECTRIC MATERIALS?. <i>Functional Materials Letters</i> , 2010 , 03, 5-13	1.2	270
213	Origins of Electro-Mechanical Coupling in Polycrystalline Ferroelectrics During Subcoercive Electrical Loading. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 293-309	3.8	253

212	Microstructure, Electrical Conductivity, and Piezoelectric Properties of Bismuth Titanate. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 3124-3128	3.8	251
211	Strong ferroelectric domain-wall pinning in BiFeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2010 , 108, 074107	5	246
210	Electric-field-, temperature-, and stress-induced phase transitions in relaxor ferroelectric single crystals. <i>Physical Review B</i> , 2006 , 73,	3.3	243
209	The Rayleigh law in piezoelectric ceramics. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 2057-2060	3	236
208	Contribution of the irreversible displacement of domain walls to the piezoelectric effect in barium titanate and lead zirconate titanate ceramics. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 4943-4953	1.8	234
207	Structural complexity of (Na _{0.5} Bi _{0.5})TiO ₃ -BaTiO ₃ as revealed by Raman spectroscopy. <i>Physical Review B</i> , 2010 , 82,	3.3	232
206	Determination of depolarization temperature of (Bi _{1/2} Na _{1/2})TiO ₃ -based lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 094108	2.5	230
205	The negative piezoelectric effect of the ferroelectric polymer poly(vinylidene fluoride). <i>Nature Materials</i> , 2016 , 15, 78-84	27	229
204	Domain wall contributions to the properties of piezoelectric thin films. <i>Journal of Electroceramics</i> , 2007 , 19, 49-67	1.5	218
203	Enhanced electromechanical response of ferroelectrics due to charged domain walls. <i>Nature Communications</i> , 2012 , 3, 748	17.4	216
202	Evidence of domain wall contribution to the dielectric permittivity in PZT thin films at sub-switching fields. <i>Journal of Applied Physics</i> , 1997 , 82, 1973-1975	2.5	211
201	Domain-wall conduction in ferroelectric BiFeO controlled by accumulation of charged defects. <i>Nature Materials</i> , 2017 , 16, 322-327	27	210
200	Piezoelectric properties of rhombohedral Pb(Zr, Ti)O ₃ thin films with (100), (111), and random crystallographic orientation. <i>Applied Physics Letters</i> , 2000 , 76, 1615-1617	3.4	197
199	Rotator and extender ferroelectrics: Importance of the shear coefficient to the piezoelectric properties of domain-engineered crystals and ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 054112	2.5	180
198	Temperature stability of the piezoelectric properties of Li-modified KNN ceramics. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4093-4097	6	174
197	Two-stage processes of electrically induced-ferroelectric to relaxor transition in 0.94(Bi _{1/2} Na _{1/2})TiO ₃ -0.06BaTiO ₃ . <i>Applied Physics Letters</i> , 2013 , 102, 192903	3.4	162
196	Lead-free high-temperature dielectrics with wide operational range. <i>Journal of Applied Physics</i> , 2011 , 109, 034107	2.5	155
195	Breaking of macroscopic centric symmetry in paraelectric phases of ferroelectric materials and implications for flexoelectricity. <i>Nature Materials</i> , 2015 , 14, 224-9	27	151

194	A study of the phase diagram of (K,Na,Li)NbO ₃ determined by dielectric and piezoelectric measurements, and Raman spectroscopy. <i>Journal of Applied Physics</i> , 2007 , 102, 014112	2.5	151
193	Local Structural Heterogeneity and Electromechanical Responses of Ferroelectrics: Learning from Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2018 , 28, 1801504	15.6	149
192	Structure and properties of Fe-modified Na _{0.5} Bi _{0.5} TiO ₃ at ambient and elevated temperature. <i>Physical Review B</i> , 2012 , 85,	3.3	148
191	Comments on origins of enhanced piezoelectric properties in ferroelectrics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009 , 56, 1574-85	3.2	143
190	Logarithmic frequency dependence of the piezoelectric effect due to pinning of ferroelectric-ferroelastic domain walls. <i>Physical Review B</i> , 1997 , 55, R649-R652	3.3	139
189	Compositional Inhomogeneity in Li- and Ta-Modified (K, Na)NbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3485-3489	3.8	139
188	Elastic, dielectric, and piezoelectric anomalies and Raman spectroscopy of 0.5Ba(Ti _{0.8} Zr _{0.2})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 192907	3.4	138
187	Piezoelectric anisotropy-phase transition relations in perovskite single crystals. <i>Journal of Applied Physics</i> , 2003 , 94, 6753-6761	2.5	133
186	Charge migration in Pb(Zr,Ti)O ₃ ceramics and its relation to ageing, hardening, and softening. <i>Journal of Applied Physics</i> , 2010 , 107, 034106	2.5	125
185	Hardening-softening transition in Fe-doped Pb(Zr,Ti)O ₃ ceramics and evolution of the third harmonic of the polarization response. <i>Journal of Applied Physics</i> , 2008 , 104, 034107	2.5	121
184	Dependence of the direct piezoelectric effect in coarse and fine grain barium titanate ceramics on dynamic and static pressure. <i>Applied Physics Letters</i> , 1996 , 68, 3046-3048	3.4	121
183	Electrostrictive and Piezoelectric Materials for Actuator Applications. <i>Journal of Intelligent Material Systems and Structures</i> , 1992 , 3, 190-208	2.3	118
182	Hysteresis in Piezoelectric and Ferroelectric Materials 2006 , 337-465		109
181	Piezoelectric response and free-energy instability in the perovskite crystals BaTiO ₃ , PbTiO ₃ , and Pb(Zr,Ti)O ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	109
180	Preisach modeling of piezoelectric nonlinearity in ferroelectric ceramics. <i>Journal of Applied Physics</i> , 2001 , 89, 5067-5074	2.5	107
179	Preparation and Characterization of KNbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1754-1759	3.8	104
178	Collective dynamics underpins Rayleigh behavior in disordered polycrystalline ferroelectrics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 7219-24	11.5	102
177	High-Temperature Instability of Li- and Ta-Modified (K,Na)NbO ₃ Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 1962-1970	3.8	102

176	Domain wall pinning contribution to the nonlinear dielectric permittivity in Pb(Zr, Ti)O ₃ thin films. <i>Applied Physics Letters</i> , 1998 , 73, 2045-2047	3.4	100
175	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. <i>Journal of Applied Physics</i> , 2013 , 113, 014103	2.5	99
174	Piezoelectric nonlinearity due to motion of 180° domain walls in ferroelectric materials at subcoercive fields: A dynamic poling model. <i>Applied Physics Letters</i> , 2006 , 88, 202901	3.4	96
173	Monodomain versus polydomain piezoelectric response of 0.67Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.33PbTiO ₃ single crystals along nonpolar directions. <i>Applied Physics Letters</i> , 2003 , 83, 527-529	3.4	95
172	Landau thermodynamic potential for BaTiO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 104115	2.5	93
171	Substrate clamping effects on irreversible domain wall dynamics in lead zirconate titanate thin films. <i>Physical Review Letters</i> , 2012 , 108, 157604	7.4	92
170	Domain engineering of the transverse piezoelectric coefficient in perovskite ferroelectrics. <i>Journal of Applied Physics</i> , 2005 , 98, 014102	2.5	86
169	Crystal orientation dependence of the piezoelectric d ₃₃ coefficient in tetragonal BaTiO ₃ as a function of temperature. <i>Applied Physics Letters</i> , 2002 , 80, 652-654	3.4	86
168	Raman spectroscopy of (K,Na)NbO ₃ and (K,Na) _{1-x} LixNbO ₃ . <i>Applied Physics Letters</i> , 2008 , 93, 262901	3.4	83
167	Piezoelectric anisotropy: Enhanced piezoelectric response along nonpolar directions in perovskite crystals. <i>Journal of Materials Science</i> , 2006 , 41, 65-76	4.3	83
166	Ferroelectric sensors. <i>IEEE Sensors Journal</i> , 2001 , 1, 191-206	4	82
165	Domain wall contributions in Pb(Zr,Ti)O ₃ ceramics at morphotropic phase boundary: A study of dielectric dispersion. <i>Applied Physics Letters</i> , 2010 , 96, 242902	3.4	81
164	Defect ordering and defect-domain-wall interactions in PbTiO ₃ : A first-principles study. <i>Physical Review B</i> , 2013 , 88,	3.3	75
163	Nanodomains in Fe ³⁺ -doped lead zirconate titanate ceramics at the morphotropic phase boundary do not correlate with high properties. <i>Applied Physics Letters</i> , 2009 , 95, 012905	3.4	74
162	Flexoelectricity in Bones. <i>Advanced Materials</i> , 2018 , 30, 1705316	2.4	72
161	Electromechanical properties and self-polarization in relaxor Pb(Mg _{1/3} Nb _{2/3})O ₃ thin films. <i>Journal of Applied Physics</i> , 2001 , 89, 1393-1401	2.5	67
160	Effect of Nb-donor and Fe-acceptor dopants in (Bi _{1/2} Na _{1/2})TiO ₃ -BaTiO ₃ -(K _{0.5} Na _{0.5})NbO ₃ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2010 , 108, 014110	2.5	66
159	Formation of charged ferroelectric domain walls with controlled periodicity. <i>Scientific Reports</i> , 2015 , 5, 15819	4.9	65

158	Large Electric-Field Induced Strain in BiFeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4108-4111	3.8	65
157	Temperature dependence of the direct piezoelectric effect in relaxor-ferroelectric single crystals: Intrinsic and extrinsic contributions. <i>Journal of Applied Physics</i> , 2006 , 100, 084103	2.5	65
156	Relaxor behavior and electromechanical properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ thin films. <i>Applied Physics Letters</i> , 1998 , 73, 2281-2283	3.4	65
155	Position of defects with respect to domain walls in Fe ³⁺ -doped Pb[Zr _{0.52} Ti _{0.48}]O ₃ piezoelectric ceramics. <i>Applied Physics Letters</i> , 2011 , 98, 072907	3.4	64
154	Mobile Domain Walls as a Bridge between Nanoscale Conductivity and Macroscopic Electromechanical Response. <i>Advanced Functional Materials</i> , 2015 , 25, 2099-2108	15.6	62
153	Enhancement of the piezoelectric response of tetragonal perovskite single crystals by uniaxial stress applied along the polar axis: A free-energy approach. <i>Physical Review B</i> , 2005 , 72,	3.3	62
152	Piezoelectric response of thin films determined by charge integration technique: Substrate bending effects. <i>Journal of Applied Physics</i> , 2003 , 93, 4756-4760	2.5	60
151	Instabilities in the piezoelectric properties of ferroelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 1996 , 53, 353-360	3.9	60
150	Polar lattice vibrations and phase transition dynamics in Pb(Zr _{1-x} Ti _x)O ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	59
149	Crystal structure and domain-wall contributions to the piezoelectric properties of strontium bismuth titanate ceramics. <i>Journal of Applied Physics</i> , 1996 , 80, 4223-4225	2.5	55
148	The effect of processing conditions on the morphology, thermomechanical, dielectric, and piezoelectric properties of P(VDF-TrFE)/BaTiO ₃ composites. <i>Journal of Materials Science</i> , 2012 , 47, 4763-4774	4.3	54
147	Long-range symmetry breaking in embedded ferroelectrics. <i>Nature Materials</i> , 2018 , 17, 814-819	27	54
146	Subcoercive Cyclic Electrical Loading of Lead Zirconate Titanate Ceramics I: Nonlinearities and Losses in the Converse Piezoelectric Effect. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2291-2299	3.8	53
145	The nonlinearity and subswitching hysteresis in hard and soft PZT. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2483-2486	6	52
144	Dielectric and electromechanical properties of ferroelectric-relaxor 0.9 Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.1PbTiO ₃ thin films. <i>Journal of Applied Physics</i> , 2001 , 90, 4682-4689	2.5	52
143	Depolarization of multidomain ferroelectric materials. <i>Nature Communications</i> , 2019 , 10, 2547	17.4	51
142	Properties of ferroelectric PbTiO ₃ thin films. <i>Journal of Applied Physics</i> , 2002 , 91, 1495-1501	2.5	50
141	Effect of silane coupling agent on the morphology, structure, and properties of poly(vinylidene fluoride-trifluoroethylene)/BaTiO ₃ composites. <i>Journal of Materials Science</i> , 2014 , 49, 4552-4564	4.3	48

140	Separation of piezoelectric grain resonance and domain wall dispersion in Pb(Zr,Ti)O ₃ ceramics. <i>Applied Physics Letters</i> , 2009 , 94, 212906	3-4	46
139	Process influences on the structure, piezoelectric, and gas-barrier properties of PVDF-TrFE copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 496-506	2-6	45
138	Deaging and asymmetric energy landscapes in electrically biased ferroelectrics. <i>Physical Review Letters</i> , 2012 , 108, 177601	7-4	45
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136	Preisach modeling of ferroelectric pinched loops. <i>Applied Physics Letters</i> , 2000 , 77, 4413-4415	3-4	44
135	Preisach distribution function approach to piezoelectric nonlinearity and hysteresis. <i>Journal of Applied Physics</i> , 2001 , 90, 2459-2464	2-5	43
134	Lattice dynamics and dielectric response of undoped, soft and hard PbZr _{0.42} Ti _{0.58} O ₃ . <i>Phase Transitions</i> , 2010 , 83, 917-930	1-3	42
133	Direct piezoelectric effect in relaxor-ferroelectric single crystals. <i>Journal of Applied Physics</i> , 2004 , 95, 5679-5684	2-5	42
132	Maxwell-Wagner piezoelectric relaxation in ferroelectric heterostructures. <i>Journal of Applied Physics</i> , 2001 , 90, 5708-5712	2-5	41
131	Role of charged defects on the electrical and electromechanical properties of rhombohedral Pb(Zr,Ti)O ₃ with oxygen octahedra tilts. <i>Physical Review B</i> , 2016 , 93,	3-3	40
130	Structure and properties of La-modified Na _{0.5} Bi _{0.5} TiO ₃ at ambient and elevated temperatures. <i>Journal of Applied Physics</i> , 2012 , 112, 054111	2-5	40
129	Cation vacancies in ferroelectric PbTiO ₃ and Pb(Zr,Ti)O ₃ : A positron annihilation lifetime spectroscopy study. <i>Physical Review B</i> , 2007 , 76,	3-3	40
128	Neutron diffraction study of the polarization reversal mechanism in [111] _c -oriented Pb(Zn ₁ B ₁ Nb ₂ B)O ₃ -xPbTiO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 104108	2-5	39
127	Large and stable thickness coupling coefficients of [001] _C -oriented KNbO ₃ and Li-modified (K,Na)NbO ₃ single crystals. <i>Applied Physics Letters</i> , 2007 , 90, 062904	3-4	39
126	Compositional behavior of Raman-active phonons in Pb(Zr _{1-x} Ti _x)O ₃ ceramics. <i>Physical Review B</i> , 2015 , 91,	3-3	38
125	Piezoelectricity and Phase Transitions of the Mixed-Layer Bismuth Titanate Niobate Bi ₇ Ti ₄ NbO ₂₁ . <i>Journal of the American Ceramic Society</i> , 1995 , 78, 3142-3144	3-8	36
124	Giant domain wall contribution to the dielectric susceptibility in BaTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2007 , 91, 062905	3-4	34
123	Temperature behavior of the complex piezoelectric d ₃₁ coefficient in modified lead titanate ceramics. <i>Materials Letters</i> , 1986 , 4, 414-419	3-3	34

122	Piezoelectric response of BiFeO ₃ ceramics at elevated temperatures. <i>Applied Physics Letters</i> , 2016 , 109, 042904	3.4	34
121	Piezoelectric nonlinearity and frequency dispersion of the direct piezoelectric response of BiFeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2012 , 112, 064114	2.5	33
120	Piezoelectric nonlinearity in ferroelectric thin films. <i>Journal of Applied Physics</i> , 2006 , 100, 044107	2.5	33
119	Large enhancement of the piezoelectric response in perovskite crystals by electric bias field antiparallel to polarization. <i>Applied Physics Letters</i> , 2004 , 85, 2890-2892	3.4	32
118	Microstructure, structural defects, and piezoelectric response of Bi ₄ Ti ₃ O ₁₂ modified by Bi ₃ TiNbO ₉ . <i>Journal of Applied Physics</i> , 2000 , 88, 7258-7263	2.5	32
117	Electric-field-induced orthorhombic to rhombohedral phase transition in [111]C-oriented 0.92Pb(Zn _{1/3} Nb _{2/3})O ₃ 0.08PbTiO ₃ . <i>Journal of Applied Physics</i> , 2005 , 97, 064101	2.5	31
116	Piezoelectric properties of SrBi ₄ Ti ₄ O ₁₅ ferroelectric ceramics. <i>Journal of Materials Research</i> , 2002 , 17, 1376-1384	2.5	31
115	Electrical conductivity of strontium bismuth titanate under controlled oxygen partial pressure. <i>Journal of the European Ceramic Society</i> , 1999 , 19, 1251-1254	6	31
114	Revealing the sequence of switching mechanisms in polycrystalline ferroelectric/ferroelastic materials. <i>Acta Materialia</i> , 2018 , 157, 355-363	8.4	29
113	Nonlinear contributions to dielectric and piezoelectric properties in lead zirconate titanate thin films. <i>Ferroelectrics</i> , 1999 , 224, 299-306	0.6	29
112	Ferroelectric domain continuity over grain boundaries. <i>Acta Materialia</i> , 2017 , 128, 400-405	8.4	28
111	In-situ structural investigations of ferroelasticity in soft and hard rhombohedral and tetragonal PZT. <i>Journal of Applied Physics</i> , 2015 , 118, 164104	2.5	28
110	Comparison of several methods to characterise the high frequency behaviour of piezoelectric ceramics for transducer applications. <i>Ultrasonics</i> , 2000 , 38, 219-23	3.5	28
109	Piezoelectric properties of perovskite ferroelectrics: unsolved problems and future research. <i>Annales De Chimie: Science Des Materiaux</i> , 2001 , 26, 99-106	2.1	28
108	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		27
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106	Diffusion of ⁵¹ Cr in Surface Layers of Magnesia, Alumina, and Spinel. <i>Journal of the American Ceramic Society</i> , 1985 , 68, 181-184	3.8	26
105	Lead-Free Relaxor-Like 0.75Bi _{0.5} K _{0.5} TiO ₃ -0.25BiFeO ₃ Ceramics with Large Electric Field-Induced Strain. <i>Ferroelectrics</i> , 2012 , 439, 88-94	0.6	25

104	PZT films for micro-pumps. <i>Integrated Ferroelectrics</i> , 1995 , 8, 13-23	0.8	24
103	Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. <i>Science</i> , 2021 , 372, 961-964	3.3	24
102	Electric-Field-Induced Domain Switching and Domain Texture Relaxations in Bulk Bismuth Ferrite. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3884-3890	3.8	23
101	An All-Organic Elastomeric Electret Composite. <i>Advanced Materials</i> , 2017 , 29, 1603813	24	22
100	Structure and the Electrical Properties of Pb(Zr,Ti)O ₃ /Zirconia Composites. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 651-657	3.8	22
99	An in situ diffraction study of domain wall motion contributions to the frequency dispersion of the piezoelectric coefficient in lead zirconate titanate. <i>Applied Physics Letters</i> , 2013 , 102, 042911	3.4	22
98	Textured BaTiO ₃ by templated grain growth and electrophoretic deposition. <i>Journal of Materials Science</i> , 2015 , 50, 7896-7907	4.3	21
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96	Critical mechanical and electrical transition behavior of BaTiO ₃ : The observation of mechanical double loop behavior. <i>Journal of Applied Physics</i> , 2012 , 112, 124101	2.5	20
95	Effect of K _{0.5} Na _{0.5} NbO ₃ on Properties at and off the Morphotropic Phase Boundary in Bi _{0.5} Na _{0.5} TiO ₃ /Bi _{0.5} K _{0.5} TiO ₃ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 055802	1.4	20
94	Strain-modulated piezoelectric and electrostrictive nonlinearity in ferroelectric thin films without active ferroelastic domain walls. <i>Journal of Applied Physics</i> , 2011 , 110, 124104	2.5	20
93	Nanoscale Defect Engineering and the Resulting Effects on Domain Wall Dynamics in Ferroelectric Thin Films. <i>Advanced Functional Materials</i> , 2017 , 27, 1605196	15.6	19
92	Piezoelectric hysteresis analysis and loss separation. <i>Journal of Applied Physics</i> , 2001 , 90, 4668-4675	2.5	19
91	Dielectric and piezoelectric properties of PZT ceramics with anisotropic porosity. <i>Journal of Electroceramics</i> , 2010 , 24, 170-176	1.5	18
90	Modified Lead Calcium Titanate Ceramics with a Relatively Large Dielectric Constant for Hydrophone Applications. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 857-859	3.8	18
89	Symmetry breaking in hexagonal and cubic polymorphs of BaTiO ₃ . <i>Journal of Applied Physics</i> , 2016 , 119, 094105	2.5	18
88	Effect of interfacial interactions on the electromechanical response of poly(vinylidene fluoride-trifluoroethylene)/BaTiO ₃ composites and its time dependence after poling. <i>Composites Science and Technology</i> , 2015 , 114, 103-109	8.6	17
87	Asymmetric structure of 90° domain walls and interactions with defects in PbTiO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	17

86	Effect of Uniaxial Compressive Stress on Dielectric and Piezoelectric Responses in Lead Zirconate Titanate Based Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1656-1660	3.8	17
85	Antiferroelectric/ferroelectric phase boundary enhances polarization extension in rhombohedral Pb(Zr,Ti)O ₃ . <i>Applied Physics Letters</i> , 2011 , 99, 232906	3.4	17
84	Evidence for dielectric aging due to progressive 180° domain wall pinning in polydomain Pb(Zr _{0.45} Ti _{0.55})O ₃ thin films. <i>Physical Review B</i> , 2009 , 79,	3.3	17
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