

D Damjanovic

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

229
papers

21,749
citations

68
h-index

145
g-index

250
ext. papers

24,018
ext. citations

5
avg, IF

7.21
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 229 | Induced giant piezoelectricity in centrosymmetric oxides.. <i>Science</i> , 2022 , 375, 653-657 | 33.3 | 8 |
| 228 | Pyroelectric material property considerations for x-ray generation. <i>Journal of Applied Physics</i> , 2022 , 131, 114503 | 2.5 | 2 |
| 227 | Individual Barkhausen Pulses of Ferroelastic Nanodomains. <i>Physical Review Letters</i> , 2021 , 127, 167601 | 7.4 | 2 |
| 226 | Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. <i>Science</i> , 2021 , 372, 961-964 | 31.3 | 24 |
| 225 | Atomic scale symmetry and polar nanoclusters in the paraelectric phase of ferroelectric materials. <i>Nature Communications</i> , 2021 , 12, 3509 | 17.4 | 14 |
| 224 | Dielectric and electro-mechanic nonlinearities in perovskite oxide ferroelectrics, relaxors, and relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2021 , 129, 054101 | 2.5 | 8 |
| 223 | Surface modified microfibrillated cellulose-poly(vinylidene fluoride) composites: Phase formation, viscoelastic and dielectric performance. <i>Polymer International</i> , 2021 , 70, 1316-1328 | 3.3 | 0 |
| 222 | Balancing hyperbole and impact in research communications related to lead-free piezoelectric materials. <i>Journal of Materials Science</i> , 2020 , 55, 10971-10974 | 4.3 | 3 |
| 221 | Dynamic piezoelectric response of relaxor single crystal under electrically driven inter-ferroelectric phase transformations. <i>Applied Physics Letters</i> , 2020 , 116, 222903 | 3.4 | 4 |
| 220 | Ultra-high piezoresponse in tantalum doped potassium sodium niobate single crystal. <i>Applied Physics Letters</i> , 2020 , 116, 112902 | 3.4 | 2 |
| 219 | Interface-Dominated Time-Dependent Behavior of Poled Poly(Vinylidene Fluoride-Trifluoroethylene)/Barium Titanate Composites. <i>Materials</i> , 2020 , 13, | 3.5 | 2 |
| 218 | A quasi-rayleigh model for modeling hysteresis of piezoelectric actuators. <i>Smart Materials and Structures</i> , 2020 , 29, 075012 | 3.4 | 3 |
| 217 | 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, | 3.2 | 6 |
| 216 | Connecting the Multiscale Structure with Macroscopic Response of Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2020 , 30, 2006823 | 15.6 | 17 |
| 215 | Macroscopic polarization in the nominally ergodic relaxor state of lead magnesium niobate. <i>Applied Physics Letters</i> , 2020 , 117, 102901 | 3.4 | 3 |
| 214 | Stretchable piezoelectric elastic composites for sensors and energy generators. <i>Composites Part B: Engineering</i> , 2020 , 198, 108211 | 10 | 11 |
| 213 | Depolarization of multidomain ferroelectric materials. <i>Nature Communications</i> , 2019 , 10, 2547 | 17.4 | 51 |

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| 212 | Giant shape memory and domain memory effects in antiferroelectric single crystals. <i>Materials Horizons</i> , 2019 , 6, 1699-1706 | 14.4 | 15 |
| 211 | Direct Visualization of Polar Nanoregions in BaTiO ₃ -based Ferroelectrics Above Curie Temperature. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1910-1911 | 0.5 | |
| 210 | Vapour growth, morphology, absolute structure and pyroelectric coefficient of meta-nitroaniline single crystals. <i>Journal of Applied Crystallography</i> , 2019 , 52, 564-570 | 3.8 | 2 |
| 209 | Flexoelectricity in Bones. <i>Advanced Materials</i> , 2018 , 30, 1705316 | 24 | 72 |
| 208 | Local Structural Heterogeneity and Electromechanical Responses of Ferroelectrics: Learning from Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2018 , 28, 1801504 | 15.6 | 149 |
| 207 | Revealing the sequence of switching mechanisms in polycrystalline ferroelectric/ferroelastic materials. <i>Acta Materialia</i> , 2018 , 157, 355-363 | 8.4 | 29 |
| 206 | Strain generation and energy-conversion mechanisms in lead-based and lead-free piezoceramics. <i>MRS Bulletin</i> , 2018 , 43, 588-594 | 3.2 | 14 |
| 205 | Frequency-dependent decoupling of domain-wall motion and lattice strain in bismuth ferrite. <i>Nature Communications</i> , 2018 , 9, 4928 | 17.4 | 16 |
| 204 | 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 | 3.9 | 13 |
| 203 | Long-range symmetry breaking in embedded ferroelectrics. <i>Nature Materials</i> , 2018 , 17, 814-819 | 27 | 54 |
| 202 | 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 |
| 201 | Ferroelectric domain continuity over grain boundaries. <i>Acta Materialia</i> , 2017 , 128, 400-405 | 8.4 | 28 |
| 200 | Piezoelectric softening by Nb substitution in (Ba,Pb)ZrO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1885-1895 | 3.8 | 3 |
| 199 | Nonlinear dynamics of polar regions in paraelectric phase of (Ba _{1-x} Sr _x)TiO ₃ ceramics. <i>Applied Physics Letters</i> , 2017 , 110, 192905 | 3.4 | 12 |
| 198 | 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 | 2.6 | 1 |
| 197 | Domain walls and defects in ferroelectric materials. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 10PA01.4 | 1.4 | 16 |
| 196 | Atomic-Scale Investigations of Domain Walls in Polycrystalline BiFeO ₃ . <i>Microscopy and Microanalysis</i> , 2017 , 23, 1618-1619 | 0.5 | |
| 195 | Domain-wall conduction in ferroelectric BiFeO controlled by accumulation of charged defects. <i>Nature Materials</i> , 2017 , 16, 322-327 | 27 | 210 |

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| 194 | An All-Organic Elastomeric Electret Composite. <i>Advanced Materials</i> , 2017 , 29, 1603813 | 24 | 22 |
| 193 | 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 |
| 192 | Asymmetric structure of 90° domain walls and interactions with defects in PbTiO ₃ . <i>Physical Review B</i> , 2016 , 93, | 3.3 | 17 |
| 191 | The negative piezoelectric effect of the ferroelectric polymer poly(vinylidene fluoride). <i>Nature Materials</i> , 2016 , 15, 78-84 | 27 | 229 |
| 190 | Self-Poling of BiFeO ₃ Thick Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19626-34 | 9.5 | 10 |
| 189 | Atomically Resolved Local Structure of Conductive Domain Walls in Ferroelectric BiFeO ₃ . <i>Microscopy and Microanalysis</i> , 2016 , 22, 1828-1829 | 0.5 | |
| 188 | Symmetry breaking in hexagonal and cubic polymorphs of BaTiO ₃ . <i>Journal of Applied Physics</i> , 2016 , 119, 094105 | 2.5 | 18 |
| 187 | Piezoelectric response of BiFeO ₃ ceramics at elevated temperatures. <i>Applied Physics Letters</i> , 2016 , 109, 042904 | 3.4 | 34 |
| 186 | Free-Carrier-Compensated Charged Domain Walls Produced with Super-Bandgap Illumination in Insulating Ferroelectrics. <i>Advanced Materials</i> , 2016 , 28, 9498-9503 | 24 | 17 |
| 185 | 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 |
| 184 | Textured BaTiO ₃ by templated grain growth and electrophoretic deposition. <i>Journal of Materials Science</i> , 2015 , 50, 7896-7907 | 4.3 | 21 |
| 183 | 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 |
| 182 | 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 |
| 181 | Formation of charged ferroelectric domain walls with controlled periodicity. <i>Scientific Reports</i> , 2015 , 5, 15819 | 4.9 | 65 |
| 180 | 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 |
| 179 | Transferring lead-free piezoelectric ceramics into application. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1659-1681 | 6 | 823 |
| 178 | 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 |
| 177 | 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 |

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| 176 | 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 |
| 175 | BiFeO ₃ Ceramics: Processing, Electrical, and Electromechanical Properties. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1993-2011 | 3.8 | 288 |
| 174 | Solid Solutions of Lead Metaniobate Stabilization of the Ferroelectric Polymorph and the Effect on the Lattice Parameters, Dielectric, Ferroelectric, and Piezoelectric Properties. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 220-227 | 3.8 | 14 |
| 173 | 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 |
| 172 | Anelastic relaxor behavior of Pb(Mg _{1/3} Nb _{2/3})O ₃ . <i>Applied Physics Letters</i> , 2013 , 103, 072904 | 3.4 | 7 |
| 171 | Defect ordering and defect-domain-wall interactions in PbTiO ₃ : A first-principles study. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 75 |
| 170 | Conductivity and Ferroelectric Hysteresis in Bi ₄ Ti ₃ O ₁₂ Single Crystals Around Room Temperature. <i>Ferroelectrics</i> , 2013 , 448, 114-122 | 0.6 | 4 |
| 169 | 2013 , | | 2 |
| 168 | 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 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |
| 164 | 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 |
| 163 | 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 |
| 162 | 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 |
| 161 | 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 |
| 160 | Phase field simulations of ferroelastic toughening: The influence of phase boundaries and domain structures. <i>Acta Materialia</i> , 2012 , 60, 5172-5181 | 8.4 | 15 |
| 159 | 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 |

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| 158 | Elastic, dielectric, and piezoelectric anomalies and Raman spectroscopy of $0.5\text{Ba}(\text{Ti}0.8\text{Zr}0.2)\text{O}3-0.5(\text{Ba}0.7\text{Ca}0.3)\text{TiO}3$. <i>Applied Physics Letters</i> , 2012 , 100, 192907 | 3.4 | 138 |
| 157 | Lead-Free Relaxor-Like $0.75\text{Bi}0.5\text{K}0.5\text{TiO}3 \square 0.25\text{BiFeO}3$ Ceramics with Large Electric Field-Induced Strain. <i>Ferroelectrics</i> , 2012 , 439, 88-94 | 0.6 | 25 |
| 156 | Enhanced electromechanical response of ferroelectrics due to charged domain walls. <i>Nature Communications</i> , 2012 , 3, 748 | 17.4 | 216 |
| 155 | Structure and the Electrical Properties of $\text{Pb}(\text{Zr},\text{Ti})\text{O}3 \square \text{Zirconia}$ Composites. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 651-657 | 3.8 | 22 |
| 154 | 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 |
| 153 | Deaging and asymmetric energy landscapes in electrically biased ferroelectrics. <i>Physical Review Letters</i> , 2012 , 108, 177601 | 7.4 | 45 |
| 152 | Unusual dielectric behavior and domain structure in rhombohedral phase of $\text{BaTiO}3$ single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 014101 | 2.5 | 11 |
| 151 | Antiferroelectric/ferroelectric phase boundary enhances polarization extension in rhombohedral $\text{Pb}(\text{Zr},\text{Ti})\text{O}3$. <i>Applied Physics Letters</i> , 2011 , 99, 232906 | 3.4 | 17 |
| 150 | Effect of $\text{K}0.5\text{Na}0.5\text{NbO}3$ on Properties at and off the Morphotropic Phase Boundary in $\text{Bi}0.5\text{Na}0.5\text{TiO}3 \square \text{Bi}0.5\text{K}0.5\text{TiO}3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 055802 | 1.4 | 20 |
| 149 | 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 |
| 148 | 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 |
| 147 | Large Electric-Field Induced Strain in $\text{BiFeO}3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4108-4111 | 3.8 | 65 |
| 146 | Polar lattice vibrations and phase transition dynamics in $\text{Pb}(\text{Zr}1-x\text{Ti}x)\text{O}3$. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 59 |
| 145 | Evolving morphotropic phase boundary in lead-free $(\text{Bi}1/2\text{Na}1/2)\text{TiO}3 \square \text{BaTiO}3$ piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 109, 014110 | 2.5 | 361 |
| 144 | Determination of depolarization temperature of $(\text{Bi}1/2\text{Na}1/2)\text{TiO}3$ -based lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 094108 | 2.5 | 230 |
| 143 | Lead-free high-temperature dielectrics with wide operational range. <i>Journal of Applied Physics</i> , 2011 , 109, 034107 | 2.5 | 155 |
| 142 | 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. <i>Applied Physics Letters</i> , 2011 , 98, 072907 | 3.4 | 64 |
| 141 | Effect of Nb-donor and Fe-acceptor dopants in $(\text{Bi}1/2\text{Na}1/2)\text{TiO}3 \square \text{BaTiO}3 \square (\text{K}0.5\text{Na}0.5)\text{NbO}3$ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2010 , 108, 014110 | 2.5 | 66 |

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| 140 | WHAT CAN BE EXPECTED FROM LEAD-FREE PIEZOELECTRIC MATERIALS?. <i>Functional Materials Letters</i> , 2010 , 03, 5-13 | 1.2 | 270 |
| 139 | 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 |
| 138 | A morphotropic phase boundary system based on polarization rotation and polarization extension. <i>Applied Physics Letters</i> , 2010 , 97, 062906 | 3.4 | 464 |
| 137 | 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 |
| 136 | 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 |
| 135 | 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 |
| 134 | Strong ferroelectric domain-wall pinning in BiFeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2010 , 108, 074107 | 3.5 | 246 |
| 133 | The stress-assisted enhancement of piezoelectric properties due to mechanically incompatible domain structures in BaTiO ₃ 2010 , | | 3 |
| 132 | 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 |
| 131 | Dielectric and piezoelectric properties of PZT ceramics with anisotropic porosity. <i>Journal of Electroceramics</i> , 2010 , 24, 170-176 | 1.5 | 18 |
| 130 | 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 |
| 129 | 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 |
| 128 | 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 |
| 127 | High-Strain Lead-free Antiferroelectric Electrostrictors. <i>Advanced Materials</i> , 2009 , 21, 4716-4720 | 2.4 | 321 |
| 126 | Perspective on the Development of Lead-free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1153-1177 | 3.8 | 2236 |
| 125 | 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 |
| 124 | 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 |
| 123 | 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 |

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| 122 | 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 |
| 121 | Lead-Based Piezoelectric Materials 2008 , 59-79 | | 4 |
| 120 | Raman spectroscopy of (K,Na)NbO ₃ and (K,Na) _{1-x} Li _x NbO ₃ . <i>Applied Physics Letters</i> , 2008 , 93, 262901 | 3.4 | 83 |
| 119 | Enhancement of piezoelectric properties in perovskite crystals by thermally, compositionally, electric field and stress-induced instabilities 2008 , 304-332 | | 7 |
| 118 | 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 |
| 117 | Landau thermodynamic potential for BaTiO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 104115 | 2.5 | 93 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | Domain wall contributions to the properties of piezoelectric thin films. <i>Journal of Electroceramics</i> , 2007 , 19, 49-67 | 1.5 | 218 |
| 112 | Neutron diffraction study of the polarization reversal mechanism in [111] _c -oriented Pb(Zn _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 104108 | 2.5 | 39 |
| 111 | Giant domain wall contribution to the dielectric susceptibility in BaTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2007 , 91, 062905 | 3.4 | 34 |
| 110 | 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 |
| 109 | Uniaxial-stress induced phase transitions in [001] _c -poled 0.955Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.045PbTiO ₃ . <i>Applied Physics Letters</i> , 2007 , 90, 152907 | 3.4 | 16 |
| 108 | Qualitative distinction in enhancement of the piezoelectric response in PbTiO ₃ in proximity of coercive fields: 90° versus 180° switching. <i>Journal of Applied Physics</i> , 2007 , 101, 104119 | 2.5 | 3 |
| 107 | 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 |
| 106 | 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 |
| 105 | Extension of the dielectric tunability range in ferroelectric materials by electric bias field antiparallel to polarization. <i>Applied Physics Letters</i> , 2006 , 88, 082903 | 3.4 | 9 |

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| 104 | 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 |
| 103 | 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 |
| 102 | Hysteresis in Piezoelectric and Ferroelectric Materials 2006 , 337-465 | | 109 |
| 101 | Anharmonicity of BaTiO ₃ single crystals. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 26 |
| 100 | Electric-field-, temperature-, and stress-induced phase transitions in relaxor ferroelectric single crystals. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 243 |
| 99 | 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 |
| 98 | Piezoelectric nonlinearity in ferroelectric thin films. <i>Journal of Applied Physics</i> , 2006 , 100, 044107 | 2.5 | 33 |
| 97 | 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 |
| 96 | Ferroelectric thin films: Review of materials, properties, and applications. <i>Journal of Applied Physics</i> , 2006 , 100, 051606 | 2.5 | 1262 |
| 95 | Piezoelectric anisotropy: Enhanced piezoelectric response along nonpolar directions in perovskite crystals. <i>Journal of Materials Science</i> , 2006 , 41, 65-76 | 4.3 | 83 |
| 94 | Piezoelectric anisotropy: Enhanced piezoelectric response along nonpolar directions in perovskite crystals 2006 , 65-76 | | |
| 93 | 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 |
| 92 | Piezoelectricity 2005 , 300-309 | | 1 |
| 91 | Piezoelectric Relaxation and Nonlinearity Investigated by Optical Interferometry and Dynamic Press Technique 2005 , 251-261 | | |
| 90 | Development of relaxor ferroelectric materials for screen-printing on alumina and silicon substrates. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2125-2128 | 6 | 12 |
| 89 | Domain engineering of the transverse piezoelectric coefficient in perovskite ferroelectrics. <i>Journal of Applied Physics</i> , 2005 , 98, 014102 | 2.5 | 86 |
| 88 | Preparation and Characterization of KNbO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1754-1759 | 3.8 | 104 |
| 87 | 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 |

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| 86 | The nonlinearity and subswitching hysteresis in hard and soft PZT. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2483-2486 | 6 | 52 |
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