

Xiaoli Tan

List of Publications by Year in descending order

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166
papers

8,952
citations

53939

47
h-index

51423

90
g-index

170
all docs

170
docs citations

170
times ranked

5005
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ TEM observation on the ferroelectric-antiferroelectric transition in $\text{Pb}(\text{Nb,Zr,Sn,Ti})\text{O}_3/\text{ZnO}$. Journal of the American Ceramic Society, 2022, 105, 794-800.	1.9	4
2	In situ TEM measurement of electrical properties of individual BaTiO_3 nanocubes. Applied Physics Letters, 2021, 118, 192901.	1.5	3
3	Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. Science, 2021, 372, 961-964.	6.0	84
4	Precipitation Hardening in Ferroelectric Ceramics. Advanced Materials, 2021, 33, e2102421.	11.1	46
5	Structure, ferroelectric, and dielectric properties of $(\text{Na}_{1-2x}\text{Ca}_x)\text{NbO}_3$ ceramics. Journal of Materials Research, 2021, 36, 1076-1085.	1.2	2
6	Effect of electric hysteresis on fatigue behavior in antiferroelectric bulk ceramics under bipolar loading. Journal of Materials Chemistry C, 2021, 9, 15542-15551.	2.7	6
7	A comparative study of the polarization degradation mechanisms during electric cycling in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -based relaxors. Scripta Materialia, 2020, 178, 334-338.	2.6	5
8	Phase-composition dependent domain responses in $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ -based piezoceramics. Journal of the European Ceramic Society, 2020, 40, 1217-1222.	2.8	11
9	Electric-field-induced structure and domain texture evolution in PbZrO_3 -based antiferroelectric by in-situ high-energy synchrotron X-ray diffraction. Acta Materialia, 2020, 184, 41-49.	3.8	36
10	Atomic Structure of the Polarization Modulations in Perovskite Antiferroelectrics. Microscopy and Microanalysis, 2020, 26, 1190-1191.	0.2	0
11	In Situ Transmission Electron Microscopy Study of Conductive Filament Formation in Copper Oxides. IEEE Transactions on Device and Materials Reliability, 2020, 20, 609-612.	1.5	0
12	Structural Instability in Electrically Stressed, Oxygen Deficient BaTiO_3 Nanocrystals. Advanced Functional Materials, 2020, 30, 2004607.	7.8	9
13	Direct Observations of Field-Intensity-Dependent Dielectric Breakdown Mechanisms in TiO_2 Single Nanocrystals. ACS Nano, 2020, 14, 8328-8334.	7.3	3
14	Ultrahigh piezoelectricity in lead-free piezoceramics by synergistic design. Nano Energy, 2020, 76, 104944.	8.2	99
15	TEM investigation of the domain structure in PbHfO_3 and PbZrO_3 antiferroelectric perovskites. Journal of Materials Science, 2020, 55, 4953-4961.	1.7	26
16	Motion of phase boundary during antiferroelectric-ferroelectric transition in a PbZrO_3 -based ceramic. Physical Review Materials, 2020, 4, .	1.9	1
17	In situ TEM study of the transitions between crystalline Si and nonstoichiometric amorphous oxide under bipolar voltage bias. Journal of Applied Physics, 2019, 125, .	1.1	5
18	Relaxor antiferroelectric ceramics with ultrahigh efficiency for energy storage applications. Journal of the European Ceramic Society, 2019, 39, 4735-4742.	2.8	49

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19	Origin of the large electrostrain in BiFeO ₃ -BaTiO ₃ based lead-free ceramics. Journal of Materials Chemistry A, 2019, 7, 21254-21263.	5.2	101
20	Atomically resolved domain boundary structure in lead zirconate-based antiferroelectrics. Applied Physics Letters, 2019, 115, .	1.5	22
21	Polarization reversal via a transient relaxor state in nonergodic relaxors near freezing temperature. Journal of Materiomics, 2019, 5, 634-640.	2.8	19
22	In Situ TEM Study of the Amorphous-to-Crystalline Transition during Dielectric Breakdown in TiO ₂ Film. ACS Applied Materials & Interfaces, 2019, 11, 40726-40733.	4.0	13
23	Ultrahigh energy storage density lead-free multilayers by controlled electrical homogeneity. Energy and Environmental Science, 2019, 12, 582-588.	15.6	393
24	Interaction Dynamics Between Ferroelectric and Antiferroelectric Domains in a PbZrO ₃ -Based Ceramic. Physical Review Applied, 2019, 11, .	1.5	19
25	Structure and High Performance of Lead-Free (K _{0.5} Na _{0.5})NbO ₃ Piezoelectric Nanofibers with Surface-Induced Crystallization at Lowered Temperature. ACS Applied Materials & Interfaces, 2019, 11, 23503-23511.	4.0	18
26	Dual-stimuli <i>in-situ</i> TEM study on the nonergodic/ergodic crossover in the 0.75(Bi _{1/2} Na _{1/2})TiO ₃ â€“0.25SrTiO ₃ relaxor. Applied Physics Letters, 2019, 114, .	1.5	8
27	Uncompensated Polarization in Incommensurate Modulations of Perovskite Antiferroelectrics. Physical Review Letters, 2019, 123, 217602. Mechanisms of enhanced thermal stability of polarization in lead-free $\text{K}(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$	2.9	50

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37	High Energy Storage Density and Large Strain in $\text{Bi}(\text{Zn}_{2/3}\text{Nb}_{1/3})\text{O}_3$ -Doped BiFeO_3 BaTiO_3 Ceramics. <i>ACS Applied Energy Materials</i> , 2018, 1, 4403-4412.	2.5	229
38	High strain (0.4%) $\text{Bi}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3$ BaTiO_3 BiFeO_3 lead-free piezoelectric ceramics and multilayers. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5428-5442.	1.9	106
39	Relaxor-ferroelectric transitions: Sodium bismuth titanate derivatives. <i>MRS Bulletin</i> , 2018, 43, 600-606.	1.7	111
40	Impact of phase transition sequence on the electrocaloric effect in $\text{Pb}(\text{Nb,Zr,Sn,Ti})\text{O}_3$ ceramics. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	40
41	Giant strain with low hysteresis in A-site-deficient $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based lead-free piezoceramics. <i>Acta Materialia</i> , 2017, 128, 337-344.	3.8	222
42	Large electrocaloric responses in $[\text{Bi}_{1/2}(\text{Na,K})_{1/2}]\text{TiO}_3$ -based ceramics with giant electrostrains. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2088-2097.	1.9	30
43	Polarization reversal and memory effect in anti-ferroelectric materials. <i>Scripta Materialia</i> , 2017, 128, 61-64.	2.6	23
44	Domain disruption and defect accumulation during unipolar electric fatigue in a BZT-BCT ceramic. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	21
45	Giant strain with low cycling degradation in Ta-doped $[\text{Bi}_{1/2}(\text{Na}_{0.8}\text{K}_{0.2})_{1/2}]\text{TiO}_3$ lead-free ceramics. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	50
46	Four-State Anti-Ferroelectric Random Access Memory. <i>IEEE Electron Device Letters</i> , 2016, 37, 1551-1554.	2.2	18
47	Disrupting long-range polar order with an electric field. <i>Physical Review B</i> , 2016, 93, .	1.1	50
48	Giant Strains in Non-textured $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -Based Lead-Free Ceramics. <i>Advanced Materials</i> , 2016, 28, 574-578.	11.1	472
49	Silanized-silicon/epoxy nanocomposites for structural capacitors with enhanced electrical energy storage capability. <i>Composites Science and Technology</i> , 2015, 121, 34-40.	3.8	18
50	In situ TEM study on the microstructural evolution during electric fatigue in $0.7\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ 0.3PbTiO_3 ceramic. <i>Journal of Materials Research</i> , 2015, 30, 364-372.	1.2	10
51	http://www.w3.org/1998/Math/MathML $\text{BaZr}_{0.2}\text{Mn}_{0.2}\text{Mg}_{0.2}\text{Ti}_{0.2}\text{Nb}_{0.2}\text{O}_{10}$	1.5	37
52	Direct observation of the recovery of an antiferroelectric phase during polarization reversal of an induced ferroelectric phase. <i>Physical Review B</i> , 2015, 91, .	1.1	33
53	Nanofragmentation of Ferroelectric Domains During Polarization Fatigue. <i>Advanced Functional Materials</i> , 2015, 25, 270-277.	7.8	47
54	Suppression of the antiferroelectric phase during polarization cycling of an induced ferroelectric phase. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	5

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55	Effect of Ba Content on the Stress Sensitivity of the Antiferroelectric to Ferroelectric Phase Transition in (Pb, La, Ba)(Zr, Sn) Ceramics. Journal of the American Ceramic Society, 2014, 97, 206-212.	1.9	44
56	Antiferroelectricity induced by electric field in NaNbO ₃ -based lead-free ceramics. Applied Physics Letters, 2014, 104, .	1.5	35
57	Transformation toughening in an antiferroelectric ceramic. Acta Materialia, 2014, 62, 114-121.	3.8	42
58	Evolution of structure and electrical properties with lanthanum content in [(Bi ^{1/2} Na ^{1/2}) _{0.95} Ba _{0.05}] _{1-x} LaxTiO ₃ ceramics. Journal of the European Ceramic Society, 2014, 34, 2997-3006.	2.8	71
59	Thermal analysis of phase transitions in perovskite electroceramics. Journal of Thermal Analysis and Calorimetry, 2014, 115, 587-593.	2.0	15
60	Modeling the interphase of a polymer-based nanodielectric. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 488-496.	1.8	26
61	Special quasirandom structures to study the random alloy. T_j ETQq1 1 0.784314 rgBT /Over	1.1	17
62	Polarization alignment, phase transition, and piezoelectricity development in polycrystalline (0.5Ba, 0.5Zr) Physical Review B, 2014, 90, .	1.1	17
63	Unique single-domain state in a polycrystalline ferroelectric ceramic. Physical Review B, 2014, 89, .	1.1	59
64	Block copolymer/ferroelectric nanoparticle nanocomposites. Nanoscale, 2013, 5, 8695.	2.8	54
65	Microstructural origin for the piezoelectricity evolution in (K _{0.5} Na _{0.5})NbO ₃ -based lead-free ceramics. Journal of Applied Physics, 2013, 114, .	1.1	56
66	Electric-field-induced polarization and strain in 0.94(Bi ^{1/2} Na ^{1/2})TiO ₃ -0.06BaTiO ₃ under uniaxial stress. Acta Materialia, 2013, 61, 1350-1358.	3.8	61
67	A New Phase Boundary in (Bi _{1/2} Na _{1/2})TiO ₃ -BaTiO ₃ Revealed via a Novel Method of Electron Diffraction Analysis. Advanced Functional Materials, 2013, 23, 5261-5266.	7.8	127
68	Crystal Structure and Electrical Properties of Lead-Free (1-x)BaTiO ₃ -x(Ag, Li, Na, K, Rb) Ceramics. Journal of the American Ceramic Society, 2013, 96, 3425-3429.	1.9	10
69	Mechanical self-confinement to enhance energy storage density of antiferroelectric capacitors. Journal of Applied Physics, 2013, 113, .	1.1	79
70	Dynamics of polystyrene-block-poly(methylmethacrylate) (PS-b-PMMA) diblock copolymers and PS/PMMA blends: A dielectric study. Journal of Non-Crystalline Solids, 2013, 359, 27-32.	1.5	7
71	Multifunctional Properties of Cyanate Ester Composites with SiO ₂ Coated Fe ₃ O ₄ Fillers. ACS Applied Materials & Interfaces, 2013, 5, 1636-1642.	4.0	28
72	Electrical poling below coercive field for large piezoelectricity. Applied Physics Letters, 2013, 102, .	1.5	73

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73	Optimal working regime of lead-zirconate-titanate for actuation applications. <i>Sensors and Actuators A: Physical</i> , 2013, 189, 187-194.	2.0	36
74	Evolution of the tetragonal to rhombohedral transition in $(1-x)TjETQq000rgBT/Overlock10Tf50707Td(Bi_{1/2}x_{1/2})$	2.8	20
75	Silicon/epoxy nanocomposites for capacitors as the energy storage element. , 2013, , .		0
76	Dielectric properties of cyanate ester/silicon nanocomposites for multifunctional structural capacitors. , 2012, , .		2
77	Dielectric and mechanical properties of polyimide-barium titanate nanocomposites. , 2012, , .		0
78	Introduction to the IEEE International Symposium on Applications of Ferroelectrics and International Symposium on Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2012, 59, 1853-4.	1.7	0
79	Novel Si/cyanate ester nanocomposites with multifunctional properties. <i>Composites Science and Technology</i> , 2012, 72, 1692-1696. Creation and Destruction of Morphotropic Phase Boundaries through Electrical Poling: A Case Study of Lead-Free	3.8	19
80			

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91	Dielectric aging behavior in A-site hybrid-doped BaTiO ₃ ceramics. <i>Current Applied Physics</i> , 2011, 11, S90-S94.	1.1	16
92	BiFeO ₃ -PbZrO ₃ -PbTiO ₃ ternary system for high Curie temperature piezoceramics. <i>Journal of the European Ceramic Society</i> , 2011, 31, 801-807.	2.8	33
93	Multifunctional fiberglass-reinforced PMMA-BaTiO ₃ structural/dielectric composites. <i>Polymer</i> , 2011, 52, 2016-2024.	1.8	65
94	DIELECTRIC AND FERROELECTRIC PROPERTIES OF (1 - x) Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbZrO ₃ CERAMICS WITH CATION ORDER. <i>Journal of Advanced Dielectrics</i> , 2011, 01, 99-106.	1.5	2
95	Domain structure-dielectric property relationship in lead-free (1-x)(Bi _{1/2} Na _{1/2})TiO ₃ -xBaTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	359
96	Combinatorial processing libraries for bulk BiFeO ₃ -PbTiO ₃ piezoelectric ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 427-431.	1.1	20
97	Multifunctional PMMA-Ceramic composites as structural dielectrics. <i>Polymer</i> , 2010, 51, 5823-5832.	1.8	72
98	Phase diagram of unpoled lead-free " ceramics. <i>Solid State Communications</i> , 2010, 150, 1497-1500.	0.9	200
99	<i>In Situ</i> Transmission Electron Microscopy of Electric Field-Triggered Reversible Domain Formation in Bi-Based Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2452-2455.	1.9	185
100	Morphotropic phase boundary and electrical properties of lead-free (1-x)BaTiO ₃ -xBi(Li _{1/3} Ti _{2/3})O ₃ ceramics. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	13
101	Electric-field-induced antiferroelectric to ferroelectric phase transition in mechanically confined		

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109	In situ transmission electron microscopy study on Nb-doped $\text{Pb}(\text{Zr}_{0.95}\text{Ti}_{0.05})\text{O}_3$ ceramics. <i>Microscopy Research and Technique</i> , 2009, 72, 216-222.	1.2	5
110	The morphotropic phase boundary and electrical properties of $(1-x)\text{Pb}(\text{Zn}_{1/2}\text{W}_{1/2})\text{O}_3-x\text{Pb}(\text{Zr}_{0.5}\text{Ti}_{0.5})\text{O}_3$ ceramics. <i>Journal of Materials Science</i> , 2009, 44, 1868-1872.	1.7	3
111	Ferroelectric properties of $(1-x)\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3-x\text{PbZrO}_3$ ceramics. <i>Journal of Materials Science</i> , 2009, 44, 4321-4325.	1.7	12
112	Synthesis, thermal stability and magnetic properties of the $\text{Lu}_{1-x}\text{La}_x\text{Mn}_2\text{O}_5$ solid solution. <i>Journal of Solid State Chemistry</i> , 2009, 182, 3013-3020.	1.4	2
113	Influence of adsorbed moisture on the properties of cyanate ester/BaTiO ₃ composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 1266-1271.	3.8	33
114	Effect of oxygen content on the magnetic properties of multiferroic YMn_2O_5 . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 346002.	0.7	9
115	Influence of long-range cation order on relaxor properties of doped $\text{Pb}(\text{Zr}_{0.95}\text{Ti}_{0.05})\text{O}_3$. http://www.w3.org/1998/Math/MathML		

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127	Ferroelectric and magnetic properties of $\text{Pb}(\text{Fe}_{2/3}\text{W}_{1/3})\text{O}_3$ -based multiferroic compounds with cation order. <i>Journal of Applied Physics</i> , 2007, 102, 104114.	1.1	6
128	Evolution of nanodomains during the electric-field-induced relaxor to normal ferroelectric phase transition in a Sc-doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramic. <i>Journal of Applied Physics</i> , 2007, 102, 084101.	1.1	35
129	In situ TEM Study of Electric Field-Induced Phenomena in Ferroelectric Ceramics. <i>Applications of Ferroelectrics</i> , IEEE International Symposium on, 2007, , .	0.0	0
130	A Comparative Study of the Structure and Properties of Sn-Modified Lead Zirconate Titanate Ferroelectric and Antiferroelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2007, 90, 2090-2094.	1.9	19
131	Preparation of fine-grain lead indium niobate ceramics with wolframite precursor method and resulting electrical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 323-328.	1.1	8
132	Effect of Ba-substitution on the structure and properties of $\text{Pb}_{0.8}\text{Ba}_{0.2}[(\text{In}_{1/2}\text{Nb}_{1/2})_{1-x}\text{Ti}_x]\text{O}_3$ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 757-761.	1.1	1
133	Dielectric and Ferroelectric Properties of $\text{Pb}_{0.8}\text{Ba}_{0.2}[(\text{In}_{1/2}\text{Nb}_{1/2})_{1-x}\text{Ti}_x]\text{O}_3$ Ceramics. <i>Applications of Ferroelectrics</i> , IEEE International Symposium on, 2006, , .	1.1	1
134	Influence of Cation Order on the Electric Field-Induced Phase Transition in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -Based Relaxor Ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2006, 89, 202-209.	1.9	40
135	Dielectric properties and morphotropic phase boundaries in the		

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145	Partial dislocations at domain intersections in a tetragonal ferroelectric crystal. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1455-1466.	0.7	9
146	Field-induced domain interpenetration in tetragonal ferroelectric crystal. <i>Journal of Applied Physics</i> , 2004, 95, 635-639.	1.1	15
147	Influence of processing conditions on the phase transition and ferroelectric properties of $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3}\text{O}_3 \sim \text{Pb}(\text{Zr}_{1/2}\text{Ti}_{1/2})\text{O}_3$ ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 108, 258-265.	1.7	46
148	Intersection of a domains in the c-domain matrix driven by electric field in tetragonal ferroelectric crystal. <i>Journal of Applied Physics</i> , 2004, 96, 2805-2810.	1.1	19
149	In situ transmission electron microscopy study of the electric field-induced transformation of incommensurate modulations in a Sn-modified lead zirconate titanate ceramic. <i>Applied Physics Letters</i> , 2004, 85, 3187-3189.	1.5	28
150	The morphotropic phase boundary and dielectric properties of the $x\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)_2\text{O}_7-(1-x)\text{Pb}(\text{Ni}_{1-x}\text{Nb}_x)_3\text{O}_7$ perovskite solid solution. <i>Journal of Applied Physics</i> , 2004, 96, 5103-5109.	1.1	158
151	Perovskite phase formation and ferroelectric properties of the lead nickel niobate-lead zinc niobate-lead zirconate titanate ternary system. <i>Journal of Materials Research</i> , 2003, 18, 2882-2889.	1.2	59
152	Piezoelectric in situ transmission electron microscopy technique for direct observations of fatigue damage accumulation in constrained metallic thin films. <i>Applied Physics Letters</i> , 2002, 80, 3946-3948.	1.5	13
153	In-situ transmission electron microscopy study of electric-field-induced grain-boundary cracking in lead zirconate titanate. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002, 82, 1463-1478.	0.8	38
154	A maximum strain criterion for electric-field-induced fatigue crack propagation in ferroelectric ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 301, 131-139.	2.6	27
155	In situ transmission electron microscopy observations of electric-field-induced domain switching and microcracking in ferroelectric ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 314, 157-161.	2.6	28
156	Indentation-induced domain switching in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3 \sim \text{PbTiO}_3$ crystal. <i>Acta Materialia</i> , 2001, 49, 2993-2999.	3.8	67
157	Direct observations of electric field-induced domain boundary cracking in ~ 001 oriented piezoelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3 \sim \text{PbTiO}_3$ single crystal. <i>Applied Physics Letters</i> , 2000, 77, 1529-1531.	1.5	84
158	In situ transmission electron microscopy study of electric-field-induced microcracking in single crystal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3}\text{O}_3 \sim \text{PbTiO}_3$. <i>Applied Physics Letters</i> , 2000, 76, 3732-3734.	1.5	43
159	Crack deflection in relaxor ferroelectric plzt under inclined cyclic electric field. <i>Scripta Materialia</i> , 2000, 43, 925-928.	2.6	9
160	Cyclic deformation behavior of high-purity titanium single crystals: Part I. Orientation dependence of stress-strain response. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998, 29, 507-512.	1.1	39
161	Cyclic deformation behavior of high-purity titanium single crystals: Part II. Microstructure and mechanism. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998, 29, 513-518.	1.1	30
162	Low-cycle fatigue behaviors of commercial-purity titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 252, 85-92.	2.6	57

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163	Orientation dependence of slip and twinning in HCP metals. Scripta Materialia, 1997, 36, 1383-1386.	2.6	88
164	Fatigue crack initiation in high-purity titanium crystals. International Journal of Fatigue, 1996, 18, 329-333.	2.8	16
165	Influence of processing conditions on the morphotropic phase boundaries and ferroelectric properties of $\text{Pb}(\text{Zn}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3)\text{O}/\text{sub } 3/\text{Pb}(\text{Ni}/\text{sub } 1/3/\text{Nb}/\text{sub } 2/3)\text{O}/\text{sub } 3/\text{Pb}(\text{Zr}/\text{sub } 1/2/\text{Ti}/\text{sub } 1/2)\text{O}$ thin films. Journal of Applied Physics, 2004, 96, 044101.	0.784	14
166	In-situ transmission electron microscopy study of electric-field-induced grain-boundary cracking in lead zirconate titanate. , 0, .		2