

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	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
2	Evolving morphotropic phase boundary in lead-free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - BaTiO_3 piezoceramics. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	405
3	Ultra-high energy storage density lead-free multilayers by controlled electrical homogeneity. <i>Energy and Environmental Science</i> , 2019, 12, 582-588.	15.6	393
4	Creation and Destruction of Morphotropic Phase Boundaries through Electrical Poling: A Case Study of Lead-Free $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ - BaTiO_3 Piezoceramics. <i>Journal of Applied Physics</i> , 2012, 112, 044105.		

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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	Electric field-induced phase transitions in (111)-, (110)-, and (100)-oriented Pb(Mg _{1/3} Nb _{2/3})O ₃ single crystals. Physical Review B, 2007, 75, .	1.1	100
21	Ultrahigh piezoelectricity in lead-free piezoceramics by synergistic design. Nano Energy, 2020, 76, 104944.	8.2	99
22	Orientation dependence of slip and twinning in HCP metals. Scripta Materialia, 1997, 36, 1383-1386.	2.6	88
23	Direct observations of electric field-induced domain boundary cracking in 001 oriented piezoelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystal. Applied Physics Letters, 2000, 77, 1529-1531.	1.5	84
24	Control of polarization in bulk ferroelectrics by mechanical dislocation imprint. Science, 2021, 372, 961-964.	6.0	84
25	Phase transitions and ferroelectric properties in BiScO ₃ -Bi(Zn _{1/2} Ti _{1/2})O ₃ -BaTiO ₃ solid solutions. Journal of Applied Physics, 2007, 102, .	1.1	83
26	Effect of uniaxial stress on ferroelectric behavior of (Bi _{1/2} Na _{1/2})TiO ₃ -based lead-free piezoelectric ceramics. Journal of Applied Physics, 2009, 106, .	1.1	83
27	Temperature dependence of piezoelectric properties of high-TC Bi(Mg _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ . Journal of Applied Physics, 2009, 106, .	1.1	83
28	Sintering Effect on Microstructure and Properties of (K,Na)NbO ₃ Ceramics. Journal of the American Ceramic Society, 2011, 94, 3659-3665.	1.9	79
29	Mechanical self-confinement to enhance energy storage density of antiferroelectric capacitors. Journal of Applied Physics, 2013, 113, .	1.1	79
30	Strains and Polarization During Antiferroelectric-Ferroelectric Phase Switching in Pb _{0.99} Nb _{0.02} [(Zr _{0.57} Sn _{0.43}) _{1-x} Y _y]O ₃ Ceramics. Journal of the American Ceramic Society, 2011, 94, 1149-1155.	1.9	76
31	Polarization alignment, phase transition, and piezoelectricity development in polycrystalline (0.5Ba _{1-x} Zr _x) _{0.98} Bi _{0.02} O ₃ ceramics. Physical Review B, 2014, 89, .	1.1	76
32	Electrical poling below coercive field for large piezoelectricity. Applied Physics Letters, 2013, 102, .	1.5	73
33	Multifunctional PMMA-Ceramic composites as structural dielectrics. Polymer, 2010, 51, 5823-5832.	1.8	72
34	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
35	Indentation-induced domain switching in Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystal. Acta Materialia, 2001, 49, 2993-2999.	3.8	67
36	Electric-field-induced antiferroelectric to ferroelectric phase transition in mechanically confined (Bi _{1/2} Na _{1/2})TiO ₃ thin films. Applied Physics Letters, 2014, 105, 111101.	1.1	67

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37	Multifunctional fiberglass-reinforced PMMA-BaTiO ₃ structural/dielectric composites. <i>Polymer</i> , 2011, 52, 2016-2024.	1.8	65

38 Dielectric properties and morphotropic phase boundaries in the

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55	Effect of Ba Content on the Stress Sensitivity of the Antiferroelectric to Ferroelectric Phase Transition in (Pb,Pb)(La)(Ba)(Zr)(Sn) Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 206-212.	1.9	44
56	In situ transmission electron microscopy study of electric-field-induced microcracking in single crystal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ - PbTiO_3 . <i>Applied Physics Letters</i> , 2000, 76, 3732-3734.	1.5	43
57	Transformation toughening in an antiferroelectric ceramic. <i>Acta Materialia</i> , 2014, 62, 114-121.	3.8	42
58	Interplay of conventional with inverse electrocaloric response in (Pb,Nb)(Zr,Sn,Ti)O ₃ antiferroelectric materials. <i>Physical Review B</i> , 2018, 97, .	1.1	42
59	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
60	Mechanical Confinement: An Effective Way of Tuning Properties of Piezoelectric Crystals. <i>Advanced Functional Materials</i> , 2012, 22, 797-802.	7.8	40
61	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
62	Double hysteresis loops at room temperature in NaNbO_3 -based lead-free antiferroelectric ceramics. <i>Materials Research Letters</i> , 2018, 6, 159-164.	4.1	40
63	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
64	Influence of long-range cation order on relaxor properties of doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$. http://www.w3.org/1998/Math/MathML		

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73	Antiferroelectricity induced by electric field in NaNbO ₃ -based lead-free ceramics. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	35
74	Piezoelectric properties of (1-x)Pb(Zr _{1/2} Ti _{1/2})O ₃ -xPb(Zn _{1/3} Nb _{2/3})O ₃ ceramics prepared by the columbite (wolframite) precursor method. <i>Current Applied Physics</i> , 2006, 6, 303-306.	1.1	34
75	Synthesis, microstructure, and electrical properties of the delafossite compound CuGaO ₂ . <i>Journal of Alloys and Compounds</i> , 2005, 391, 262-266.	2.8	33
76	Dielectric and ferroelectric properties of fine grains Pb(In _{1/2} Nb _{1/2})O ₃ -PbTiO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2008, 454, 331-339.	2.8	33
77	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
78	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
79	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
80	Effects of Processing Conditions on the Dielectric Properties of CaCu ₃ Ti ₄ O ₁₂ . <i>Journal of Electroceramics</i> , 2005, 15, 203-208.	0.8	31
81	An ideal amplitude window against electric fatigue in BaTiO ₃ -based lead-free piezoelectric materials. <i>Acta Materialia</i> , 2018, 151, 253-259.	3.8	31
82	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
83	Large electrocaloric responses in [Bi _{1/2} (Na,K) _{1/2}]TiO ₃ -based ceramics with giant electrostrains. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2088-2097.	1.9	30
84	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
85	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
86	Multifunctional Properties of Cyanate Ester Composites with SiO ₂ Coated Fe ₃ O ₄ Fillers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1636-1642.	4.0	28
87	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
88	Modeling the interphase of a polymer-based nanodielectric. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014, 21, 488-496.	1.8	26
89	TEM investigation of the domain structure in PbHfO ₃ and PbZrO ₃ antiferroelectric perovskites. <i>Journal of Materials Science</i> , 2020, 55, 4953-4961. Mechanisms of enhanced thermal stability of polarization in lead-free $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$	1.7	26
90			

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91	In-situ TEM study of the aging micromechanisms in a BaTiO ₃ -based lead-free piezoelectric ceramic. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3472-3477.	2.8	24
92	Polarization reversal and memory effect in anti-ferroelectric materials. <i>Scripta Materialia</i> , 2017, 128, 61-64.	2.6	23
93	Size-dependent magnetic properties of high oxygen content YMn ₂ O ₅ multiferroic nanoparticles. <i>Journal of Applied Physics</i> , 2009, 105, 033908.	1.1	22
94	Atomically resolved domain boundary structure in lead zirconate-based antiferroelectrics. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	22
95	Domain disruption and defect accumulation during unipolar electric fatigue in a BZT-BCT ceramic. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	21
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	Evolution of the tetragonal to rhombohedral transition in (1-x)TjETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (x) (Bi_{sub}	2.8	20
98	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
99	Room temperature magnetoelectric multiferroism through cation ordering in complex perovskite solid solutions. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 8935-8942.	0.7	19
100	Cation, dipole, and spin order in Pb(Fe ₂ W ₁) ₃ O ₃ -based magnetoelectric multiferroic compounds. <i>Applied Physics Letters</i> , 2007, 90, 242905.	1.5	19
101	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
102	Novel Si/cyanate ester nanocomposites with multifunctional properties. <i>Composites Science and Technology</i> , 2012, 72, 1692-1696.	3.8	19
103	Polarization reversal via a transient relaxor state in nonergodic relaxors near freezing temperature. <i>Journal of Materiomics</i> , 2019, 5, 634-640.	2.8	19
104	Interaction Dynamics Between Ferroelectric and Antiferroelectric Domains in a PbZrO ₃ -Based Ceramic. <i>Physical Review Applied</i> , 2019, 11, .	1.5	19
105	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
106	Four-State Anti-Ferroelectric Random Access Memory. <i>IEEE Electron Device Letters</i> , 2016, 37, 1551-1554.	2.2	18
107	Structure and High Performance of Lead-Free (K _{0.5} Na _{0.5})NbO ₃ Piezoelectric Nanofibers with Surface-Induced Crystallization at Lowered Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23503-23511.	4.0	18
108	Structure evolution and dielectric behavior of polystyrene-capped barium titanate nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, , .	6.7	17

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109	Special quasirandom structures to study the $\langle \text{Pb} \rangle$ distribution in $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ random alloy. <i>Physical Review B</i> , 2014, 89, 074111.	1.1	17
110	Role of sodium deficiency on the relaxor properties of $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ - BaTiO_3 . <i>Journal of the European Ceramic Society</i> , 2018, 38, 5375-5381.	2.8	17
111	Fatigue crack initiation in high-purity titanium crystals. <i>International Journal of Fatigue</i> , 1996, 18, 329-333.	2.8	16
112	Zr-modified $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ with a Long-Range Cation Order. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3031-3038.	1.9	16
113	Enhanced ordered structure and relaxor behaviour of $0.98\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3 \cdot 0.02\text{La}(\text{Mg}_{2/3}\text{Nb}_{1/3})\text{O}_3$ single crystals. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 015210.	1.7	16
114	Dielectric aging behavior in A-site hybrid-doped BaTiO_3 ceramics. <i>Current Applied Physics</i> , 2011, 11, S90-S94.	1.1	16
115	Field-induced domain interpenetration in tetragonal ferroelectric crystal. <i>Journal of Applied Physics</i> , 2004, 95, 635-639.	1.1	15
116	In situ transmission electron microscopy study of the nanodomain growth in a Sc-doped lead magnesium niobate ceramic. <i>Applied Physics Letters</i> , 2006, 89, 022904.	1.5	15
117	Thermal analysis of phase transitions in perovskite electroceramics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 587-593.	2.0	15
118	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
119	Texture control and ferroelectric properties of $\text{Pb}(\text{Nb,Zr,Sn,Ti})\text{O}_3$ thin films prepared by chemical solution method. <i>Thin Solid Films</i> , 2006, 496, 383-388.	0.8	13
120	Structure and properties of $(1-x)\text{Pb}(\text{Mg}_{1/2}\text{W}_{1/2})\text{O}_3 \cdot x\text{Pb}(\text{Zr}_{0.5}\text{Ti}_{0.5})\text{O}_3$ solid solution ceramics. <i>Journal of Materials Science</i> , 2008, 43, 5258-5264.	1.7	13
121	Morphotropic phase boundary and electrical properties of lead-free $(1-x)\text{BaTiO}_3 \cdot x\text{Bi}(\text{Li}_{1/3}\text{Ti}_{2/3})\text{O}_3$ ceramics. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	13
122	In Situ TEM Study of the Amorphous-to-Crystalline Transition during Dielectric Breakdown in TiO_2 Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40726-40733.	4.0	13
123	Absence of crystallization during cylindrical indentation of a Zr-based metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 2159-2165.	1.5	12
124	Ferroelectric properties of $(1-x)\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3 \cdot x\text{PbZrO}_3$ ceramics. <i>Journal of Materials Science</i> , 2009, 44, 4321-4325.	1.7	12
125	High temperature phases in the $0.98\text{PbZrO}_3 \cdot 0.02\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ceramic. <i>Journal of Applied Physics</i> , 2009, 105, 014106.	1.1	11
126	Tunable Pyroelectricity around the Ferroelectric/Antiferroelectric Transition. <i>Energy Technology</i> , 2018, 6, 865-871.	1.8	11

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127	Phase-composition dependent domain responses in (K _{0.5} Na _{0.5})NbO ₃ -based piezoceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1217-1222.	2.8	11
128	Crystal Structure and Electrical Properties of Lead-Free (1-x)BaTiO ₃ -x(Bi _{1/2} A _{1/2}) ₂ O ₃ (A=Ag, Li, Na, K, Rb) Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3425-3429.	1.0	10
129	In situ TEM study on the microstructural evolution during electric fatigue in 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ ceramic. <i>Journal of Materials Research</i> , 2015, 30, 364-372.	1.2	10
130	Crack deflection in relaxor ferroelectric plzt under inclined cyclic electric field. <i>Scripta Materialia</i> , 2000, 43, 925-928.	2.6	9
131	Partial dislocations at domain intersections in a tetragonal ferroelectric crystal. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 1455-1466.	0.7	9
132	Effect of oxygen content on the magnetic properties of multiferroic YMn ₂ O ₅ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 346002.	0.7	9
133	Structural Instability in Electrically Stressed, Oxygen Deficient BaTiO ₃ Nanocrystals. <i>Advanced Functional Materials</i> , 2020, 30, 2004607.	7.8	9
134	Motion of phase boundary during antiferroelectric-ferroelectric transition in a PbZrO ₃ -based ceramic. <i>Physical Review Materials</i> , 2020, 4, .	1.0	9
135	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
136	Dual-stimuli in-situ TEM study on the nonergodic/ergodic crossover in the 0.75(Bi _{1/2} Na _{1/2})TiO ₃ -0.25SrTiO ₃ relaxor. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	8
137	Acoustic emission and dielectric studies of phase transitions within the morphotropic phase boundary of xPb(Zr _{1/2} Ti _{1/2})O ₃ -(1-x)Pb(Ni _{1/3} Nb _{2/3})O ₃ relaxor ferroelectrics. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	7
138	Dynamics of polystyrene-block-poly(methylmethacrylate) (PS-b-PMMA) diblock copolymers and PS/PMMA blends: A dielectric study. <i>Journal of Non-Crystalline Solids</i> , 2013, 359, 27-32.	1.5	7
139	Ferroelectric and magnetic properties of Pb(Fe ₂ W ₁) ₃ O ₃ -based multiferroic compounds with cation order. <i>Journal of Applied Physics</i> , 2007, 102, 104114.	1.1	6
140	Effect of electric hysteresis on fatigue behavior in antiferroelectric bulk ceramics under bipolar loading. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15542-15551.	2.7	6
141	Dielectric and ferroelectric properties of lead indium niobate ceramic prepared by wolframite method. <i>Ceramics International</i> , 2008, 34, 723-726.	2.3	5
142	In situ transmission electron microscopy study on Nb-doped Pb(Zr _{0.95} Ti _{0.05})O ₃ ceramics. <i>Microscopy Research and Technique</i> , 2009, 72, 216-222.	1.2	5
143	Suppression of the antiferroelectric phase during polarization cycling of an induced ferroelectric phase. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	5
144	In situ TEM study of the transitions between crystalline Si and nonstoichiometric amorphous oxide under bipolar voltage bias. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	5

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145	A comparative study of the polarization degradation mechanisms during electric cycling in (Bi _{1/2} Na _{1/2})TiO ₃ -based relaxors. Scripta Materialia, 2020, 178, 334-338.	2.6	5
146	In situ TEM observation on the ferroelectric-antiferroelectric transition in Pb(Nb,Zr,Sn,Ti) ₃ /ZnO. Journal of the American Ceramic Society, 2022, 105, 794-800.	1.9	4
147	The morphotropic phase boundary and electrical properties of (1-x)Pb(Zn _{1/2} W _{1/2})O ₃ -xPb(Zr _{0.5} Ti _{0.5})O ₃ ceramics. Journal of Materials Science, 2009, 44, 1868-1872.	1.7	3
148	Direct Observations of Field-Intensity-Dependent Dielectric Breakdown Mechanisms in TiO ₂ Single Nanocrystals. ACS Nano, 2020, 14, 8328-8334.	7.3	3
149	In situ TEM measurement of electrical properties of individual BaTiO ₃ nanocubes. Applied Physics Letters, 2021, 118, 192901.	1.5	3
150	Synthesis, thermal stability and magnetic properties of the Lu _{1-x} LaxMn ₂ O ₅ solid solution. Journal of Solid State Chemistry, 2009, 182, 3013-3020.	1.4	2
151	DIELECTRIC AND FERROELECTRIC PROPERTIES OF (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbZrO ₃ CERAMICS WITH CATION ORDER. Journal of Advanced Dielectrics, 2011, 01, 99-106.	1.5	2
152	Dielectric properties of cyanate ester/silicon nanocomposites for multifunctional structural capacitors. , 2012, , .		2
153	Structure, ferroelectric, and dielectric properties of (Na _{1-x} Cax)NbO ₃ ceramics. Journal of Materials Research, 2021, 36, 1076-1085.	1.2	2
154	In-situ transmission electron microscopy study of electric-field-induced grain-boundary cracking in lead zirconate titanate. , 0, .		2
155	Long Rang Cation Order in Pb(Mg _{1/3} Nb _{2/3})O ₃ Complex Oxides. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	1
156	Effect of Ba-substitution on the structure and properties of Pb _{0.8} Ba _{0.2} [(In _{1/2} Nb _{1/2}) _{1-x} Tix]O ₃ ceramics. Applied Physics A: Materials Science and Processing, 2007, 88, 757-761.	1.1	1
157	The morphotropic phase boundary in the (1-x)PbZrO ₃ -x[0.3Bi(Zn _{1/2} Ti _{1/2})O ₃ -0.7PbTiO ₃] perovskite solid solution. Journal of Materials Science, 2012, 47, 1774-1779.	1.7	1
158	Influence of processing conditions on the morphotropic phase boundaries and ferroelectric properties of Pb(Zn _{1/3} Nb _{2/3})O ₃ -Pb(Ni _{1/3} Nb _{2/3})O ₃ -Pb(Zr _{1/2} Ti _{1/2})O ₃ ternary system. Journal of Applied Physics, 2012, 112, 044101.		0
159	Dielectric and Ferroelectric Properties of Pb _{0.8} Ba _{0.2} [(In _{1/2} Nb _{1/2}) _{1-x} Tix]O ₃ Ceramics. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .		0
160	Cation-, Dipole-, and Spin-Order in Pb(Fe _{2/3} W _{1/3})O ₃ -Based Multiferroic Oxides. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
161	In situ TEM Study of Electric Field-Induced Phenomena in Ferroelectric Ceramics. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
162	Dielectric and mechanical properties of polyimide-barium titanate nanocomposites. , 2012, , .		0

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163	Introduction to the IEEE International Symposium on Applications of Ferroelectrics and International Symposium on Piezoresponse Force Microscopy and Nanoscale Phenomena in Polar Materials. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1853-4.	1.7	0
164	Silicon/epoxy nanocomposites for capacitors as the energy storage element. , 2013, , .		0
165	Atomic Structure of the Polarization Modulations in Perovskite Antiferroelectrics. Microscopy and Microanalysis, 2020, 26, 1190-1191.	0.2	0
166	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