

Fei Li

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.

185
papers

8,998
citations

44
h-index

91
g-index

197
ext. papers

11,639
ext. citations

7.1
avg, IF

6.59
L-index

#	Paper	IF	Citations
185	A robust, low-voltage driven millirobot based on transparent ferroelectric crystals. <i>Applied Physics Letters</i> , 2022 , 120, 032902	3.4	2
184	Enhanced energy harvesting performance of PIN-PMN-PT single crystal unimorph using alternating current poling. <i>Applied Physics Letters</i> , 2022 , 120, 042902	3.4	2
183	Breaking symmetry for piezoelectricity.. <i>Science</i> , 2022 , 375, 618-619	33.3	2
182	Interplay of defect dipole and flexoelectricity in linear dielectrics. <i>Scripta Materialia</i> , 2022 , 210, 114427	5.6	2
181	Full matrix electromechanical properties of textured $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Sc}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-PbTiO}_3$ ceramic. <i>Journal of Applied Physics</i> , 2022 , 131, 124104	2.5	
180	Achieving both high electromechanical properties and temperature stability in textured PMN-PT ceramics. <i>Journal of the American Ceramic Society</i> , 2022 , 105, 3322-3330	3.8	3
179	Piezoelectric ultrasound energy-harvesting device for deep brain stimulation and analgesia applications.. <i>Science Advances</i> , 2022 , 8, eabk0159	14.3	6
178	Ferroelectric crystals with giant electro-optic property enabling ultracompact Q-switches.. <i>Science</i> , 2022 , 376, 371-377	33.3	7
177	$\text{Bi}(\text{Mg}_{1/2}\text{Zr}_{1/2})\text{O}_3\text{PbZrO}_3\text{PbTiO}_3$ relaxor ferroelectric ceramics with large and temperature-insensitive electric field-induced strain response. <i>Journal of Materials Chemistry C</i> , 2021 , 10, 337-345	7.1	0
176	Compositionally Graded KNN-based Multilayer Composite with Excellent Piezoelectric Temperature Stability.. <i>Advanced Materials</i> , 2021 , e2109175	24	14
175	Microscopic piezoelectric behavior of clamped and membrane (001) PMN-30PT thin films. <i>Applied Physics Letters</i> , 2021 , 119, 202903	3.4	0
174	Inverse Domain-Size Dependence of Piezoelectricity in Ferroelectric Crystals. <i>Advanced Materials</i> , 2021 , e2105071	24	6
173	Expression and functional characterization of odorant-binding protein genes in the endoparasitic wasp <i>Cotesia vestalis</i> . <i>Insect Science</i> , 2021 , 28, 1354-1368	3.6	5
172	Textured ferroelectric ceramics with high electromechanical coupling factors over a broad temperature range. <i>Nature Communications</i> , 2021 , 12, 1414	17.4	19
171	Modified $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbZrO}_3\text{PbTiO}_3$ ceramics with high piezoelectricity and temperature stability. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5127-5137	3.8	7
170	Large-Scale Annotation and Evolution Analysis of MiRNA in Insects. <i>Genome Biology and Evolution</i> , 2021 , 13,	3.9	3
169	Direct observation of nanoscale dynamics of ferroelectric degradation. <i>Nature Communications</i> , 2021 , 12, 2095	17.4	7

168	In-situ domain structure characterization of Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystals under alternating current electric field poling. <i>Acta Materialia</i> , 2021 , 210, 116853	8.4	7
167	Temperature-insensitive PMN-PZ-PT ferroelectric ceramics for actuator applications. <i>Acta Materialia</i> , 2021 , 211, 116871	8.4	6
166	Enhanced electric-field-induced strains in (K,Na)NbO ₃ piezoelectrics from heterogeneous structures. <i>Materials Today</i> , 2021 , 46, 44-53	21.8	11
165	Chromosome-level genome assembly of an agricultural pest, the rice leaffolder <i>Cnaphalocrocis exigua</i> (Crambidae, Lepidoptera). <i>Molecular Ecology Resources</i> , 2021 ,	8.4	1
164	Composition and electrical properties characterization of a 5mm diameter PIN-PMN-PT single crystal by the modified Bridgman method. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156145	5.7	11
163	Chromosomal-level genomes of three rice planthoppers provide new insights into sex chromosome evolution. <i>Molecular Ecology Resources</i> , 2021 , 21, 226-237	8.4	16
162	Piezoelectric ceramics with high piezoelectricity and broad temperature usage range. <i>Journal of Materiomics</i> , 2021 , 7, 683-692	6.7	10
161	Properties of PMN-PT single crystal piezoelectric material and its application in underwater acoustic transducer. <i>Applied Acoustics</i> , 2021 , 175, 107827	3.1	8
160	Transgenic rice overexpressing insect endogenous microRNA csu-novel-260 is resistant to striped stem borer under field conditions. <i>Plant Biotechnology Journal</i> , 2021 , 19, 421-423	11.6	8
159	Frequency Dependence of Coercive Fields of [001]- and [011]-Poled Rhombohedral Pb(InNb)O ₃ /Pb(MgNb)O ₃ /PbTiO ₃ Single Crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 1430-1436	3.2	3
158	A Dual-Mode 2D Matrix Array for Ultrasound Image-Guided Noninvasive Therapy. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 3482-3490	5	2
157	High output power density and strong vibration durability in a modified barbell-shaped energy harvester based on multilayer Pb(In _{1/2} Nb _{1/2})O ₃ /Pb(Mg _{1/3} Nb _{2/3})O ₃ /PbTiO ₃ single crystals. <i>APL Materials</i> , 2021 , 9, 010703	5.7	9
156	The mechanism for the enhanced piezoelectricity in multi-elements doped (K,Na)NbO ₃ ceramics. <i>Nature Communications</i> , 2021 , 12, 881	17.4	25
155	Tetragonal (Ba, Ca) (Zr, Ti)O ₃ textured ceramics with enhanced piezoelectric response and superior temperature stability. <i>Journal of Materiomics</i> , 2021 , 8, 366-366	6.7	2
154	Low temperature sintering of Li ₂ CO ₃ added Pb(Ni _{1/3} Nb _{2/3})-Pb(Zr,Ti)O ₃ ceramics with high piezoelectric properties. <i>Journal of Alloys and Compounds</i> , 2021 , 892, 162132	5.7	2
153	Large-Area Piezoelectric Single Crystal Composites via 3-D-Printing-Assisted Dice-and-Insert Technology for Hydrophone Applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021 , 68, 3241-3248	3.2	1
152	Large electric field induced strain of Bi(Mg _{1/2} Ti _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramics textured by Template Grain Growth. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6406-6413	6	2
151	A bending-bending mode piezoelectric actuator based on PIN-PMN-PT crystal stacks. <i>Sensors and Actuators A: Physical</i> , 2021 , 331, 113052	3.9	1

150	Improved piezoelectric properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ textured ferroelectric ceramics via Sm-doping method. <i>Journal of Alloys and Compounds</i> , 2021 , 881, 160666	5.7	3
149	Large, thermally stabilized and fatigue-resistant piezoelectric strain response in textured relaxor-PbTiO ₃ ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2008-2015	7.1	3
148	Identification and Analysis of MicroRNAs Associated with Wing Polyphenism in the Brown Planthopper,. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
147	FastD: Fast detection of insecticide target-site mutations and overexpressed detoxification genes in insect populations from RNA-Seq data. <i>Ecology and Evolution</i> , 2020 , 10, 14346-14358	2.8	0
146	High output power density of a shear-mode piezoelectric energy harvester based on Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystals. <i>Applied Energy</i> , 2020 , 271, 115193	10.7	22
145	Grain-orientation-engineered multilayer ceramic capacitors for energy storage applications. <i>Nature Materials</i> , 2020 , 19, 999-1005	27	136
144	Investigation of High-Power Properties of PIN-PMN-PT Relaxor-Based Ferroelectric Single Crystals and PZT-4 Piezoelectric Ceramics. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 1641-1646	3.2	4
143	New Sm-PMN-PT Ceramic-Based 2-D Array for Low-Intensity Ultrasound Therapy Application. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020 , 67, 2085-2094	3.2	6
142	The Roles of DNA Methyltransferases 1 (DNMT1) in Regulating Sexual Dimorphism in the Cotton Mealybug,. <i>Insects</i> , 2020 , 11,	2.8	5
141	Transparent ferroelectric crystals with ultrahigh piezoelectricity. <i>Nature</i> , 2020 , 577, 350-354	50.4	181
140	Atomic-scale origin of ultrahigh piezoelectricity in samarium-doped PMN-PT ceramics. <i>Physical Review B</i> , 2020 , 101,	3.3	26
139	Piezoelectricity: An important property for ferroelectrics during last 100 years. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 217703	0.6	2
138	Full characterization for material constants of a promising KNN-based lead-free piezoelectric ceramic. <i>Ceramics International</i> , 2020 , 46, 5641-5644	5.1	18
137	Revisiting the structural stability and electromechanical properties in lead zinc niobate-lead titanate-barium titanate (PZN-PT-BT) ternary system. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1236-1242	6	4
136	Giant tuning of ferroelectricity in single crystals by thickness engineering. <i>Science Advances</i> , 2020 , 6,	14.3	19
135	Grain-Oriented Ferroelectric Ceramics with Single-Crystal-like Piezoelectric Properties and Low Texture Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38415-38424	9.5	21
134	Synergetic Contributions in Phase Boundary Engineering to the Piezoelectricity of Potassium Sodium Niobate Lead-Free Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39455-39467	9.5	5
133	Impact of alternating current electric field poling on piezoelectric and dielectric properties of Pb(In _{1/2} Nb _{1/2})O ₃ Pb(Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ ferroelectric crystals. <i>Journal of Applied Physics</i> , 2020 , 128, 094104	2.5	24

132	High frequency needle ultrasonic transducers based on Mn doped piezoelectric single crystal. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154951	5.7	9
131	Photoflexoelectric effect in halide perovskites. <i>Nature Materials</i> , 2020 , 19, 605-609	27	64
130	Large flexoelectric response in PMN-PT ceramics through composition design. <i>Applied Physics Letters</i> , 2019 , 115, 142901	3.4	7
129	Morphotropic phase boundary-like properties in a ferroelectric-paraelectric nanocomposite. <i>Journal of Applied Physics</i> , 2019 , 126, 124102	2.5	1
128	Colossal dielectric behavior of Co-doped TiO ₂ ceramics: A comparative study. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 377-384	5.7	14
127	Investigation of dielectric and piezoelectric properties in aliovalent Eu ³⁺ -modified Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 7428-7435	3.8	29
126	Understanding the piezoelectricity of high-performance potassium sodium niobate ceramics from diffused multi-phase coexistence and domain feature. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16803-16811	13.1	38
125	Reversible Domain-Wall-Motion-Induced Low-Hysteretic Piezoelectric Response in Ferroelectrics. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15434-15440	3.8	7
124	microRNA-14 as an efficient suppressor to switch off ecdysone production after ecdysis in insects. <i>RNA Biology</i> , 2019 , 16, 1313-1325	4.8	12
123	Lead-Free Bilayer Thick Films with Giant Electrocaloric Effect near Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23346-23352	9.5	20
122	Ultra-slim pinched polarization-electric field hysteresis loops and thermally stable electrostrains in lead-free sodium bismuth titanate-based solid solutions. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 1182-1192	5.7	25
121	Male mating and female postmating performances in cotton mealybug (Hemiptera: Pseudococcidae): effects of female density. <i>Journal of Economic Entomology</i> , 2019 , 112, 1145-1150	2.2	4
120	(Bi _{0.51} Na _{0.47})TiO ₃ based lead free ceramics with high energy density and efficiency. <i>Journal of Materiomics</i> , 2019 , 5, 385-393	6.7	60
119	Improved densification behavior and energy harvesting properties of low-temperature sintered (Ba, Ca)(Zr, Ti)O ₃ piezoceramics with a CuO additive. <i>Ceramics International</i> , 2019 , 45, 10518-10524	5.1	13
118	Transgenic microRNA-14 rice shows high resistance to rice stem borer. <i>Plant Biotechnology Journal</i> , 2019 , 17, 461-471	11.6	28
117	Ultrahigh-energy density lead-free dielectric films via polymorphic nanodomain design. <i>Science</i> , 2019 , 365, 578-582	33.3	353
116	Ultrahigh Performance in Lead-Free Piezoceramics Utilizing a Relaxor Slush Polar State with Multiphase Coexistence. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13987-13994	16.4	152
115	Phase transition behavior and high electrostrictive strains in Bi(Li _{0.5} Nb _{0.5})O ₃ -doped lead magnesium niobate-based solid solutions. <i>Journal of Alloys and Compounds</i> , 2019 , 806, 206-214	5.7	10

114	Temperature Dependence of Elastic, Piezoelectric, and Dielectric Matrixes of [001]-Poled Rhombohedral PIN-PMN-PT Single Crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019 , 66, 1786-1792	3.2	5
113	Mechanisms underpinning the ultrahigh piezoelectricity in Sm-doped 0.705Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.295PbTiO ₃ : Temperature-induced metastable local structure and field-induced polarization rotation. <i>Journal of Applied Physics</i> , 2019 , 126, 075101	2.5	4
112	High-Performance Sm-Doped Pb(MgNb)O-PbZrO-PbTiO-Based Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43359-43367	9.5	35
111	Giant piezoelectricity of Sm-doped Pb(MgNb)O-PbTiO single crystals. <i>Science</i> , 2019 , 364, 264-268	33.3	242
110	High rhombohedral to tetragonal phase transition temperature and electromechanical response in Pb(Yb _{1/2} Nb _{1/2})O ₃ -Pb(Sc _{1/2} Nb _{1/2})O ₃ -PbTiO ₃ ferroelectric system near the morphotropic phase boundary. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2082-2090	6	7
109	Perovskite lead-free dielectrics for energy storage applications. <i>Progress in Materials Science</i> , 2019 , 102, 72-108	42.2	558
108	Thickness dependence of dielectric and piezoelectric properties for alternating current electric-field-poled relaxor-PbTiO ₃ crystals. <i>Journal of Applied Physics</i> , 2019 , 125, 014102	2.5	35
107	The vitellogenin receptor has an essential role in vertical transmission of rice stripe virus during oogenesis in the small brown plant hopper. <i>Pest Management Science</i> , 2019 , 75, 1370-1382	4.6	10
106	High-Performance Ultrasound Needle Transducer Based on Modified PMN-PT Ceramic With Ultrahigh Clamped Dielectric Permittivity. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 223-230	3.2	15
105	Ultrahigh piezoelectricity in ferroelectric ceramics by design. <i>Nature Materials</i> , 2018 , 17, 349-354	27	513
104	Microstructure and elastic properties of BaTiO ₃ nanofibers sintered in various atmospheres. <i>Ceramics International</i> , 2018 , 44, 2426-2431	5.1	10
103	Thermal stability and electric-field-induced strain behaviors for PIN-PSN-PT piezoelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 316-325	3.8	16
102	Local Structural Heterogeneity and Electromechanical Responses of Ferroelectrics: Learning from Relaxor Ferroelectrics. <i>Advanced Functional Materials</i> , 2018 , 28, 1801504	15.6	149
101	Flexible energy harvesting polymer composites based on biofibril-templated 3-dimensional interconnected piezoceramics. <i>Nano Energy</i> , 2018 , 50, 35-42	17.1	66
100	Significantly Enhanced Energy-Harvesting Performance and Superior Fatigue-Resistant Behavior in [001]-Textured BaTiO-Based Lead-Free Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31488-31497	9.5	35
99	Preparation and characterization of Pb(Lu _{1/2} Nb _{1/2})O ₃ Bb(In _{1/2} Nb _{1/2})O ₃ BbTiO ₃ ternary ferroelectric ceramics with high phase transition temperatures. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5514-5523	3.8	2
98	Recent Developments in Piezoelectric Crystals. <i>Journal of the Korean Ceramic Society</i> , 2018 , 55, 419-439	2.2	62
97	Fabrication and Properties of 5% Ce-Doped BaTiO ₃ Nanofibers-Based Ceramic. <i>Journal of Electronic Materials</i> , 2018 , 47, 1099-1106	1.9	4

96	Modeling and Experiment of a Small Size Dual Mode Transducer for Underwater Acoustic Communication and Detection. <i>Acta Acustica United With Acustica</i> , 2018 , 104, 947-955	1.5	1
95	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37298-37306	9.5	25
94	Flexoelectric fatigue in (K,Na,Li)(Nb,Sb)O ₃ ceramics. <i>Applied Physics Letters</i> , 2018 , 113, 182901	3.4	10
93	Practical High Piezoelectricity in Barium Titanate Ceramics Utilizing Multiphase Convergence with Broad Structural Flexibility. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15252-15260	16.4	105
92	Multilayer Lead-Free Ceramic Capacitors with Ultrahigh Energy Density and Efficiency. <i>Advanced Materials</i> , 2018 , 30, e1802155	24	263
91	Frequency dispersion of flexoelectricity in PMN-PT single crystal. <i>AIP Advances</i> , 2017 , 7, 015010	1.5	11
90	The dielectric properties for (Nb,In,B) co-doped rutile TiO ₂ ceramics. <i>Ceramics International</i> , 2017 , 43, 6403-6409	5.1	26
89	A novel flexible tactile sensor based on Ce-doped BaTiO ₃ nanofibers. <i>Semiconductor Science and Technology</i> , 2017 , 32, 074002	1.8	7
88	Investigation of morphotropic phase boundaries in PIN _{1-x} SN _x BT relaxor ferroelectric ternary systems with high Tr-t and Tc phase transition temperatures. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2813-2823	6	24
87	The Contributions of Polar Nanoregions to the Dielectric and Piezoelectric Responses in Domain-Engineered Relaxor-PbTiO ₃ Crystals. <i>Advanced Functional Materials</i> , 2017 , 27, 1700310	15.6	97
86	Flexoelectric behavior in PIN-PMN-PT single crystals over a wide temperature range. <i>Applied Physics Letters</i> , 2017 , 111, 162901	3.4	16
85	Large-scale analysis reveals that the genome features of simple sequence repeats are generally conserved at the family level in insects. <i>BMC Genomics</i> , 2017 , 18, 848	4.5	16
84	Insights into the dielectric response of ferroelectric relaxors from statistical modeling. <i>Physical Review B</i> , 2017 , 96,	3.3	17
83	Exceptionally High Piezoelectric Coefficient and Low Strain Hysteresis in Grain-Oriented (Ba, Ca)(Ti, Zr)O through Integrating Crystallographic Texture and Domain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29863-29871	9.5	114
82	Colossal dielectric permittivity in hydrogen-reduced rutile TiO ₂ crystals. <i>Journal of Alloys and Compounds</i> , 2017 , 692, 375-380	5.7	38
81	Diffuse Phase Transitions and Giant Electrostrictive Coefficients in Lead-Free Fe-Doped 0.5Ba(ZrTi)O-0.5(BaCa)TiO Ferroelectric Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31109-31119	9.5	149
80	Analysis on the anisotropic electromechanical properties of lead magnoniobate titanate single crystal for ring type ultrasonic motors. <i>AIP Advances</i> , 2016 , 6, 115017	1.5	3
79	Structure and dielectric properties of Nd(Zn _{1/2} Ti _{1/2})O ₃ [BaTiO ₃ ceramics for energy storage applications. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 418-422	5.7	22

78	SiO ₂ /Ti _{0.98} In _{0.01} Nb _{0.01} O ₂ composite ceramics with low dielectric loss, high dielectric permittivity and an enhanced breakdown electric field. <i>RSC Advances</i> , 2016 , 6, 20074-20080	3.7	26
77	Piezoelectric materials for cryogenic and high-temperature applications 2016 , 59-93		7
76	[111]-oriented PIN-PMN-PT crystals with ultrahigh dielectric permittivity and high frequency constant for high-frequency transducer applications. <i>Journal of Applied Physics</i> , 2016 , 120, 074105	2.5	11
75	The origin of ultrahigh piezoelectricity in relaxor-ferroelectric solid solution crystals. <i>Nature Communications</i> , 2016 , 7, 13807	17.4	332
74	Electrostriction coefficient of ferroelectric materials from ab initio computation. <i>AIP Advances</i> , 2016 , 6, 065122	1.5	14
73	Visualization of dielectric constant-electric field-temperature phase maps for imprinted relaxor ferroelectric thin films. <i>Applied Physics Letters</i> , 2016 , 108, 132902	3.4	5
72	Electric dipole sheets in BaTiO ₃ /BaZrO ₃ superlattices. <i>Physical Review B</i> , 2015 , 91,	3.3	8
71	Improve piezoelectricity and elasticity of Ce-doped BaTiO ₃ nanofibers towards energy harvesting application. <i>RSC Advances</i> , 2015 , 5, 55269-55276	3.7	19
70	Nonlinear ϵ'' behavior in colossal permittivity ceramic:(Nb+In)co-doped rutile TiO ₂ . <i>Ceramics International</i> , 2015 , 41, S798-S803	5.1	46
69	Evidences of grain boundary capacitance effect on the colossal dielectric permittivity in (Nb + In) co-doped TiO ₂ ceramics. <i>Scientific Reports</i> , 2015 , 5, 8295	4.9	100
68	Advantages and Challenges of Relaxor-PbTiO Ferroelectric Crystals for Electroacoustic Transducers- A Review. <i>Progress in Materials Science</i> , 2015 , 68, 1-66	42.2	404
67	Fabrication of flexible energy harvesting device based on K _{0.5} Na _{0.5} NbO ₃ nanopowders. <i>Journal of Alloys and Compounds</i> , 2015 , 629, 113-117	5.7	7
66	Piezoelectric activity in Perovskite ferroelectric crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015 , 62, 18-32	3.2	61
65	Achieving single domain relaxor-PT crystals by high temperature poling. <i>CrystEngComm</i> , 2014 , 16, 2892-2897	3.9	41
64	Electrostrictive effect in ferroelectrics: An alternative approach to improve piezoelectricity. <i>Applied Physics Reviews</i> , 2014 , 1, 011103	17.3	276
63	Major contributor to the large piezoelectric response in (1-x)Ba(Zr _{0.2} Ti _{0.8})O ₃ -x(Ba _{0.7} Ca _{0.3})TiO ₃ ceramics: Domain wall motion. <i>Applied Physics Letters</i> , 2014 , 104, 252909	3.4	107
62	Decoding the Fingerprint of Ferroelectric Loops: Comprehension of the Material Properties and Structures. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1-27	3.8	678
61	Fabrication and Piezoelectric Property of BaTiO ₃ Nanofibers. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2725-2730	3.8	24

60	Tetragonal-to-Tetragonal Phase Transition in Lead-Free $(K_xNa_{1-x})NbO_3$ ($x = 0.11$ and 0.17) Crystals. <i>Crystals</i> , 2014 , 4, 113-122	2.3	7
59	The effect of polar nanoregions on electromechanical properties of relaxor-PbTiO ₃ crystals: Extracting from electric-field-induced polarization and strain behaviors. <i>Applied Physics Letters</i> , 2014 , 105, 122904	3.4	14
58	Dielectric behavior and phase transition in [111]-oriented PIN ₁ PMN ₁ PT single crystals under dc bias. <i>Journal of Advanced Dielectrics</i> , 2014 , 04, 1450004	1.3	6
57	High electrostrictive coefficient Q ₃₃ in lead-free Ba(Zr _{0.2} Ti _{0.8})O _{3-x} (Ba _{0.7} Ca _{0.3})TiO ₃ piezoelectric ceramics. <i>Applied Physics Letters</i> , 2014 , 105, 232903	3.4	93
56	Microstructure and dielectric properties of (Nb + In) co-doped rutile TiO ₂ ceramics. <i>Journal of Applied Physics</i> , 2014 , 116, 074105	2.5	117
55	In-situ observation of domain wall motion in Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystals. <i>Journal of Applied Physics</i> , 2014 , 116, 034105	2.5	7
54	Relationship between direct and converse flexoelectric coefficients. <i>Journal of Applied Physics</i> , 2014 , 116, 144105	2.5	31
53	Effects of InNbO ₄ Fabrication on Perovskite PIN-PMN-PT. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3110-3115	3.8	7
52	Converse flexoelectric coefficient f ₁₂₁₂ in bulk Ba _{0.67} Sr _{0.33} TiO ₃ . <i>Applied Physics Letters</i> , 2014 , 104, 232902	3.4	45
51	Direct observation of domain wall motion and novel dielectric loss in 0.23Pb(In _{1/2} Nb _{1/2})O ₃ 0.42Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.35PbTiO ₃ crystals. <i>CrystEngComm</i> , 2013 , 15, 6292	3.3	10
50	High performance lead free ferroelectric ATiO ₃ /SnTiO ₃ superlattices. <i>Applied Physics Letters</i> , 2013 , 103, 062905	3.4	3
49	Relaxor-PbTiO ₃ single crystals for various applications. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013 , 60, 1572-80	3.2	57
48	Investigation of dielectric and piezoelectric properties in Pb(Ni _{1/3} Nb _{2/3})O ₃ BbHfO ₃ BbTiO ₃ ternary system. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 2491-2497	6	43
47	Electrostrictive effect in Pb(Mg _{1/3} Nb _{2/3})O _{3-x} PbTiO ₃ crystals. <i>Applied Physics Letters</i> , 2013 , 102, 152910	3.4	79
46	Piezoelectric property of relaxor-PbTiO ₃ crystals under uniaxial transverse stress. <i>Applied Physics Letters</i> , 2013 , 102, 172902	3.4	13
45	Piezoelectric Property and Strain Behavior of Pb(Yb _{0.5} Nb _{0.5})O ₃ BbHfO ₃ BbTiO ₃ Polycrystalline Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2857-2863	3.8	36
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43	Growth, crystalline quality and transition variation of ternary Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ ferroelectric crystals. <i>Journal of Advanced Dielectrics</i> , 2013 , 03, 1350003	1.3	

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38	An efficient way to enhance output strain for shear mode Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystals: Applying uniaxial stress perpendicular to polar direction. <i>Applied Physics Letters</i> , 2012 , 100, 192901	3.4	9
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36	Field stability of piezoelectric shear properties in PIN-PMN-PT crystals under large drive field. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011 , 58, 274-80	3.2	19
35	Electromechanical properties of Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2011 , 109, 14108	2.5	71
34	Measurements of face shear properties in relaxor-PbTiO ₃ single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 064106	2.5	46
33	Domain size engineering in tetragonal Pb(In _{1/2} Nb _{1/2})O ₃ -Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 84110-841106	2.5	57
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27	The effect of the hydrostatic pressure on the electromechanical properties of ferroelectric rhombohedral single crystals Pb(Mg _{1/3} Nb _{2/3})-Pb(In _{1/2} Nb _{1/2})-PbTiO ₃ . <i>Applied Physics Letters</i> , 2011 , 99, 062903	3.4	11
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1	Enhanced Piezoelectric Properties and Improved Property Uniformity in Nd-Doped PMN-PT Relaxor Ferroelectric Single Crystals. <i>Advanced Functional Materials</i> , 2201719	15.6	4