Li Jin

List of Publications by Year in Descending Order

148 papers	6,054 citations	40 h-index	75 g-index
164 ext. papers	8,090 ext. citations	6 avg, IF	6.25 L-index

#	Paper	IF	Citations
148	Enhanced antiferroelectric-like relaxor ferroelectric characteristic boosting energy storage performance of (Bi0.5Na0.5)TiO3-based ceramics via defect engineering. *Journal of Materiomics*, **2022**,	6.7	2
147	Enhancement of energy storage performance in lead-free barium titanate-based relaxor ferroelectrics through a synergistic two-step strategy design. *Chemical Engineering Journal*, **2022**, 434, 134678	14.7	5
146	Ultrahigh electrostrictive effect in potassium sodium niobate-based lead-free ceramics. *Journal of the European Ceramic Society*, **2022**, 42, 944-953	6	3
145	Achieving ultrahigh energy storage performance over a broad temperature range in (Bi0.5Na0.5)TiO3-based eco-friendly relaxor ferroelectric ceramics via multiple engineering processes. *Journal of Alloys and Compounds*, **2022**, 896, 163139	5.7	3
144	Microstructure and ionic conductivity of Li0.5-xLa0.5(Ti1-xNbx)O3 solid-state electrolytes. *Journal of Alloys and Compounds*, **2022**, 896, 163084	5.7	1
143	High energy storage and thermal stability under low electric field in Bi0.5Na0.5TiO3-modified BaTiO3-Bi(Zn0.25Ta0.5)O3 ceramics. *Chemical Engineering Journal*, **2022**, 136505	14.7	2
142	Effective strategy to improve energy storage properties in lead-free (Ba0.8Sr0.2)TiO3-Bi(Mg0.5Zr0.5)O3 relaxor ferroelectric ceramics. *Chemical Engineering Journal*, **2022**, 137389	14.7	1
141	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO. *ACS Applied Materials & Interfaces*, **2021**, 13, 54124-54132	9.5	2
140	High comprehensive electrocaloric performance in barium titanate-based ceramics via integrating diffuse phase transition near room temperature and a high applied electric field. *Ceramics International*, **2021**, 48, 6842-6842	5.1	0
139	Filler size effects on the microstructure and properties of polymer-ceramic nanocomposites using a semicrystalline matrix. *Journal of Materials Science*, **2021**, 56, 19983	4.3	3
138	Excellent piezoelectric property and thermal stability of Pb(Sc, Nb)O3-Pb(Hf, Ti)O3ceramic. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 14654	2.1	
137	Structures and energies of Σ3 asymmetric tilt grain boundaries in silicon. *Journal of Materials Research*, **2021**, 36, 2025-2036	2.5	0
136	Formation mechanism of barium titanate single crystalline microplates based on topochemical transformation using bismuth-based precursors. *Ceramics International*, **2021**, 47, 4543-4550	5.1	0
135	Thermal stability of dielectric and energy storage performances of Ca-substituted BNTZ ferroelectric ceramics. *Ceramics International*, **2021**, 47, 6298-6309	5.1	8
134	Energy storage properties of bismuth ferrite based ternary relaxor ferroelectric ceramics through a viscous polymer process. *Chemical Engineering Journal*, **2021**, 412, 127555	14.7	38
133	High-performance lead-free bulk ceramics for electrical energy storage applications: design strategies and challenges. *Journal of Materials Chemistry A*, **2021**, 9, 18026-18085	13	44
132	Dielectric and electro-mechanic nonlinearities in perovskite oxide ferroelectrics, relaxors, and relaxor ferroelectrics. *Journal of Applied Physics*, **2021**, 129, 054101	2.5	8

131	Influence of core□shell structured conductive fillers on the electromechanical properties of ferroelectric nanocomposites. *Journal of Materials Science*, **2021**, 56, 9157-9170	4.3	4
130	Extremely High Piezoelectric Properties in Pb-Based Ceramics through Integrating Phase Boundary and Defect Engineering. *ACS Applied Materials & Interfaces*, **2021**, 13, 38517-38525	9.5	0
129	Enhanced performance by inducing defect dipoles in lead based relaxor ferroelectric PHT-based ceramics. *Ceramics International*, **2021**, 47, 23637-23646	5.1	4
128	Phase evolution and relaxor to ferroelectric phase transition boosting ultrahigh electrostrains in (1□)(Bi1/2Na1/2)TiO3-x(Bi1/2K1/2)TiO3 solid solutions. *Journal of Materiomics*, **2021**,	6.7	2
127	Significantly improved energy storage performance of NBT-BT based ceramics through domain control and preparation optimization. *Chemical Engineering Journal*, **2021**, 420, 129900	14.7	24
126	Silver deficiency effect on dielectric properties and energy storage performance of AgNbO3 ceramics. *Ceramics International*, **2021**, 47, 26178-26184	5.1	2
125	Microstructure and bidirectional dielectric tunability behaviour of Nd3+-doped KSr2Nb5O15 lead-free ceramics. *Journal of Materiomics*, **2021**, 7, 976-987	6.7	1
124	Effect of SnO□2O5□MgO glass addition on the ionic conductivity of Li1.3Al0.3Ti1.7(PO4)3 solid electrolyte. *Ceramics International*, **2021**,	5.1	2
123	Energy storage performance of BaTiO3-based relaxor ferroelectric ceramics prepared through a two-step process. *Chemical Engineering Journal*, **2021**, 419, 129673	14.7	32
122	Structure, dielectric, electrostrictive and electrocaloric properties of environmentally friendly Bi-substituted BCZT ferroelectric ceramics. *Ceramics International*, **2021**,	5.1	1
121	Energy storage performance of Na0.5Bi0.5TiO3 based lead-free ferroelectric ceramics prepared via non-uniform phase structure modification and rolling process. *Chemical Engineering Journal*, **2021**, 420, 130475	14.7	16
120	Crystallization behaviors and related dielectric properties of semicrystalline matrix in polymer-ceramic nanocomposites. *Composites Part B: Engineering*, **2021**, 224, 109195	10	9
119	A wearable, nozzle-diffuser microfluidic pump based on high-performance ferroelectric nanocomposites. *Sensors and Actuators B: Chemical*, **2021**, 347, 130611	8.5	2
118	Cobalt ions doped PNN-PHT ceramics with excellent piezoelectric properties. *Ceramics International*, **2021**, 47, 32414-32423	5.1	0
117	Exploring Charged Defects in Ferroelectrics by the Switching Spectroscopy Piezoresponse Force Microscopy.. *Small Methods*, **2021**, e2101289	12.8	2
116	Charge effects in donor-doped perovskite ferroelectrics. *Journal of the American Ceramic Society*, **2020**, 103, 5392-5399	3.8	5
115	High thermally stable dielectric permittivity, polarization enhancement and electrostrictive properties in Zr-substituted bismuth sodium titanate lead-free ferroelectric ceramics. *Ceramics International*, **2020**, 46, 22889-22899	5.1	8
114	Enhanced electrical properties and energy storage performances of NBT-ST Pb-free ceramics through glass modification. *Journal of Alloys and Compounds*, **2020**, 836, 154961	5.7	22

113	Enhancement of permittivity in P(VDF-CTFE)/metal-organic frameworks mixed matrix membranes. *Journal of Applied Polymer Science*, **2020**, 137, 49539	2.9	1
112	Phase evolution in (1-x)(Na0.5Bi0.5)TiO3-xSrTiO3 solid solutions: A study focusing on dielectric and ferroelectric characteristics. *Journal of Materiomics*, **2020**, 6, 677-691	6.7	42
111	Enhanced dielectric and ferroelectric properties in lead magnesium niobate-lead titanate ferroelectrics solid solutions by controlling the sintering protocols. *Ceramics International*, **2020**, 46, 25608-25618	5.1	9
110	Structure evolution, ferroelectric properties, and energy storage performance of CaSnO3 modified BaTiO3-based Pb-free ceramics. *Journal of Alloys and Compounds*, **2020**, 826, 154160	5.7	23
109	Regulation of energy density and efficiency in transparent ceramics by grain refinement. *Chemical Engineering Journal*, **2020**, 390, 124566	14.7	79
108	Na0.25Sr0.5Bi0.25TiO3 relaxor ferroelectric ceramic with greatly enhanced electric storage property by a B-site ion doping. *Ceramics International*, **2020**, 46, 11680-11688	5.1	15
107	A compromise between piezoelectricity and transparency in KNN-based ceramics: The dual functions of Li2O addition. *Journal of the European Ceramic Society*, **2020**, 40, 2331-2337	6	14
106	High energy density with ultrahigh discharging efficiency obtained in ceramic-polymer nanocomposites using a non-ferroelectric polar polymer as matrix. *Nano Energy*, **2020**, 70, 104551	17.1	43
105	Decoding the Fingerprint of Ferroelectric Loops: Comprehension of the Material Properties and Structures **2020**, 21-104		1
104	Ultrahigh dielectric breakdown strength and excellent energy storage performance in lead-free barium titanate-based relaxor ferroelectric ceramics via a combined strategy of composition modification, viscous polymer processing, and liquid-phase sintering. *Chemical Engineering Journal*, **2020**, 398, 125625	14.7	80
103	Achieve ultrahigh energy storage performance in BaTiO3-Bi(Mg1/2Ti1/2)O3 relaxor ferroelectric ceramics via nano-scale polarization mismatch and reconstruction. *Nano Energy*, **2020**, 67, 104264	17.1	138
102	Structure tailorable triple-phase and pure double-polar-phase flexible IF-WS2@poly(vinylidene fluoride) nanocomposites with enhanced electrical and mechanical properties. *Journal of Materiomics*, **2020**, 6, 563-572	6.7	6
101	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. *Chemistry of Materials*, **2020**, 32, 6456-6463	9.6	4
100	Study of the structure, electrical properties, and energy storage performance of ZnO-modified Ba0.65Sr0.245Bi0.07TiO3 Pb-free ceramics. *Ceramics International*, **2020**, 46, 8-16	5.1	20
99	Dielectric and ferroelectric properties of CuO-doped lead magnesium niobate-based relaxor ferroelectric ceramics. *Journal of Advanced Dielectrics*, **2019**, 09, 1950033	1.3	2
98	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. *Journal of Materials Chemistry A*, **2019**, 7, 3603-3611	13	28
97	Grain size engineered lead-free ceramics with both large energy storage density and ultrahigh mechanical properties. *Nano Energy*, **2019**, 58, 768-777	17.1	260
96	Dielectric properties and I-V characteristics of Li0.5La0.5TiO3 solid electrolyte for ceramic supercapacitors. *Ceramics International*, **2019**, 45, 8243-8247	5.1	9

95	Phase transitions in tantalum-modified silver niobate ceramics for high power energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 834-842	13	111
94	Ferroelectric transitions in silver niobate ceramics. *Journal of Materials Chemistry C*, **2019**, 7, 1028-1034	7.1	13
93	Phase distribution and corresponding piezoelectric responses in a morphotropic phase boundary Pb(Mg Nb)O3-PbTiO3 single crystal revealed by confocal Raman spectroscopy and piezo-response force microscopy. *Journal of the European Ceramic Society*, **2019**, 39, 4131-4138	6	1
92	Characterizations of P(VDF-HFP)-BaTiO3 nanocomposite films fabricated by a spin-coating process. *Ceramics International*, **2019**, 45, 17758-17766	5.1	19
91	Dielectric, ferroelectric and energy storage properties of lead-free (1-x)Ba0.9Sr0.1TiO3-xBi(Zn0.5Zr0.5)O3 ferroelectric ceramics sintered at lower temperature. *Ceramics International*, **2019**, 45, 15556-15565	5.1	23
90	Laminated Tricritical Ferroelectrics: Laminated Modulation of Tricritical Ferroelectrics Exhibiting Highly Enhanced Dielectric Permittivity and Temperature Stability (Adv. Funct. Mater. 17/2019). *Advanced Functional Materials*, **2019**, 29, 1970109	15.6	1
89	Phase coexistence and evolution in sol-gel derived BY-PT-PZ ceramics with significantly enhanced piezoelectricity and high temperature stability. *Journal of Materiomics*, **2019**, 5, 394-403	6.7	7
88	Ultrahigh room temperature electrocaloric response in lead-free bulk ceramics via tape casting. *Journal of Materials Chemistry C*, **2019**, 7, 6860-6866	7.1	17
87	A new family of sodium niobate-based dielectrics for electrical energy storage applications. *Journal of the European Ceramic Society*, **2019**, 39, 2899-2907	6	90
86	Significantly enhanced room temperature electrocaloric response with superior thermal stability in sodium niobate-based bulk ceramics. *Journal of Materials Chemistry A*, **2019**, 7, 11665-11672	13	30
85	Ultra-slim pinched polarization-electric field hysteresis loops and thermally stable electrostrains in lead-free sodium bismuth titanate-based solid solutions. *Journal of Alloys and Compounds*, **2019**, 788, 1182-1192	5.7	25
84	Phase transition behavior and high electrostrictive strains in Bi(Li0.5Nb0.5)O3-doped lead magnesium niobate-based solid solutions. *Journal of Alloys and Compounds*, **2019**, 806, 206-214	5.7	10
83	Bending Performance of Splice Connections for Assembly of Tubular Section FRP Members: Experimental and Numerical Study. *Journal of Composites for Construction*, **2019**, 23, 04019040	3.3	10
82	Structure and conductivity of perovskite Li0.355La0.35Sr0.3Ti0.995M0.005O3 (M = Al, Co and In) ceramics. *Ceramics International*, **2019**, 45, 23941-23947	5.1	6
81	Bi(Mg0.5Ti0.5)O3-doped NaNbO3 ferroelectric ceramics: Linear regulation of Curie temperature and ultra-high thermally stable dielectric response. *Ceramics International*, **2019**, 45, 21175-21182	5.1	8
80	Self-assembled full nanowire P(VDF-TrFE) films with both anisotropic and high bidirectional piezoelectricity. *Nanoscale*, **2019**, 11, 14896-14906	7.7	8
79	Thermally stable electrostrains and composition-dependent electrostrictive coefficient Q33 in lead-free ferroelectric ceramics. *Ceramics International*, **2019**, 45, 22854-22861	5.1	16
78	Effect of Dy2O3 content on the dielectric, ferroelectric, and energy storage properties of lead-free 0.5Na0.5Bi0.5TiO3–0.5SrTiO3 bulk ceramics. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 13556-13566	2.1	17

77	An investigation of the dielectric energy storage performance of Bi(Mg2/3Nb1/3)O3-modifed BaTiO3 Pb-free bulk ceramics with improved temperature/frequency stability. *Ceramics International*, **2019**, 45, 19189-19196	5.1	78
76	Enhanced breakdown strength and improved ferroelectric properties in lead-containing relaxor ferroelectric ceramics with addition of glass. *Materials Research Express*, **2019**, 6, 116310	1.7	10
75	Symmetry-mode analysis for intuitive observation of structure-property relationships in the lead-free antiferroelectric (1-)AgNbO-LiTaO. *IUCrJ*, **2019**, 6, 740-750	4.7	3
74	Realizing high comprehensive energy storage performance in lead-free bulk ceramics via designing an unmatched temperature range. *Journal of Materials Chemistry A*, **2019**, 7, 27256-27266	13	122
73	High thermal stability of electric field-induced strain in (1)(Bi0.5Na0.5)TiO3-xBa0.85Ca0.15Ti0.9Zr0.1O3 lead-free ferroelectrics. *Journal of the European Ceramic Society*, **2019**, 39, 277-286	6	32
72	High electric field-induced strain with ultra-low hysteresis and giant electrostrictive coefficient in barium strontium titanate lead-free ferroelectrics. *Journal of the European Ceramic Society*, **2019**, 39, 295-304	6	45
71	Ultra-low hysteresis electric field-induced strain with high electrostrictive coefficient in lead-free Ba(Zr Ti1-)O3 ferroelectrics. *Journal of Alloys and Compounds*, **2019**, 784, 931-938	5.7	18
70	High electrostrictive effect in La3+-doped Ba(Zr0.2Ti0.8)O3 lead-free ferroelectrics. *Journal of Alloys and Compounds*, **2019**, 776, 599-605	5.7	25
69	High dielectric permittivity and electrostrictive strain in a wide temperature range in relaxor ferroelectric (1-x)[Pb(Mg1/3Nb2/3)O3-PbTiO3]-xBa(Zn1/3Nb2/3)O3 solid solutions. *Ceramics International*, **2019**, 45, 5518-5524	5.1	18
68	Polymer-Based Nanocomposites with High Dielectric Permittivity **2019**, 201-243		8
67	Laminated Modulation of Tricritical Ferroelectrics Exhibiting Highly Enhanced Dielectric Permittivity and Temperature Stability. *Advanced Functional Materials*, **2019**, 29, 1807162	15.6	16
66	Cyclic performance of bonded sleeve beam-column connections for FRP tubular sections. *Composites Part B: Engineering*, **2018**, 142, 171-182	10	27
65	Structure evolution and exceptionally ultra-low hysteresis unipolar electric field-induced strain in (1)NaNbO3-xBaTiO3 lead-free ferroelectrics. *Ceramics International*, **2018**, 44, 5492-5499	5.1	47
64	Ionic and electronic conductivity of solid electrolyte Li0.5La0.5TiO3 doped with LiO2-SiO2-B2O3 glass. *Journal of Alloys and Compounds*, **2018**, 739, 892-896	5.7	25
63	Ultra-low hysteresis electrostrictive strain with high thermal stability in Bi(Li0.5Nb0.5)O3-modified BaTiO3 lead-free ferroelectrics. *Journal of Alloys and Compounds*, **2018**, 753, 558-565	5.7	23
62	Origin of composition-insensitive electrostrictive coefficient and continuous decrease of domain wall density in (1-x)NaNbO3-xBaTiO3 lead-free ferroelectrics. *Journal of the European Ceramic Society*, **2018**, 38, 3127-3135	6	29
61	Debye-like relaxation behavior and electric field induced dipole re-orientation of the 0.6BaTiO3-0.4Bi(Mg1/2Ti1/2)O3 ceramic. *Ceramics International*, **2018**, 44, 922-930	5.1	8
60	Symmetry changes during relaxation process and pulse discharge performance of the BaTiO3-Bi(Mg1/2Ti1/2)O3 ceramic. *Journal of Applied Physics*, **2018**, 124, 054101	2.5	24

59	Dielectric relaxation and phase transition behavior of (1−x)Pb(Zn1/3Nb2/3)O3-xBaTiO3 binary solid solutions. *Ceramics International*, **2018**, 44, 18491-18498	5.1	5
58	A strategy for obtaining high electrostrictive properties and its application in barium stannate titanate lead-free ferroelectrics. *Ceramics International*, **2018**, 44, 21816-21824	5.1	28
57	All-organic dielectric nanocomposites using conducting polypyrrole nanoclips as filler. *Composites Science and Technology*, **2018**, 167, 285-293	8.6	36
56	Lead-free Nonlinear Dielectric Ceramics for Energy Storage Applications: Current Status and Challenges. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2018**, 33, 1046	1	12
55	Understanding doped perovskite ferroelectrics with defective dipole model. *Journal of Chemical Physics*, **2018**, 149, 244122	3.9	11
54	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte Li3La2/3-TiO3 ceramics. *Journal of the European Ceramic Society*, **2018**, 38, 4483-4487	6	25
53	Phonon band structures of the three dimensional latticed pentamode metamaterials. *AIP Advances*, **2017**, 7, 025309	1.5	5
52	Dielectric relaxation and Maxwell-Wagner interface polarization in Nb2O5 doped 0.65BiFeO3–0.35BaTiO3 ceramics. *Journal of Applied Physics*, **2017**, 121, 084103	2.5	125
51	The dielectric properties for (Nb,In,B) co-doped rutile TiO 2 ceramics. *Ceramics International*, **2017**, 43, 6403-6409	5.1	26
50	Composition dependence of dielectric properties in Pb(Zn1/3Nb2/3)O3–PbTiO3–BaTiO3 (PZN–PT–BT) relaxor ferroelectric ceramics. *Journal of Advanced Dielectrics*, **2017**, 07, 1750008	1.3	2
49	An Investigation of Dielectric, Piezoelectric Properties and Microstructures of Bi0.5Na0.5TiO3-BaTiO3-Bi0.5K0.5TiO3 Lead-Free Piezoelectric Ceramics Doped with K2AlNbO5 Compound. *Journal of Electronic Materials*, **2017**, 46, 5287-5295	1.9	8
48	Phase transitions in bismuth-modified silver niobate ceramics for high power energy storage. *Journal of Materials Chemistry A*, **2017**, 5, 17525-17531	13	199
47	Relaxation behavior and electrical inhomogeneity in 0.9BaTiO3-0.1Bi(Mg1/2Ti1/2)O3 ceramic. *Ceramics International*, **2017**, 43, 12828-12834	5.1	11
46	Dielectric and energy storage properties of BaTiO3–Bi(Mg1/2Ti1/2)O3 ceramic: Influence of glass addition and biasing electric field. *Ceramics International*, **2017**, 43, 35-39	5.1	55
45	Angle-insensitive acoustic metamaterial plane with extraordinary transmission using two embedded and coaxial split spherical shells. *Applied Physics Express*, **2017**, 10, 104001	2.4	1
44	High energy density in silver niobate ceramics. *Journal of Materials Chemistry A*, **2016**, 4, 17279-17287	13	227
43	Diffuse Phase Transitions and Giant Electrostrictive Coefficients in Lead-Free Fe-Doped 0.5Ba(ZrTi)O-0.5(BaCa)TiO Ferroelectric Ceramics. *ACS Applied Materials & Interfaces*, **2016**, 8, 31109-31119	9.5	149
42	Electrostriction coefficient of ferroelectric materials from ab initio computation. *AIP Advances*, **2016**, 6, 065122	1.5	14

41	Acoustically induced transparency by using concentric spherical shells with coaxial aperture array. *Applied Physics Letters*, **2016**, 109, 073503	3.4	5
40	Dielectric and temperature stable energy storage properties of 0.88BaTiO3–0.12Bi(Mg1/2Ti1/2)O3 bulk ceramics. *Journal of Alloys and Compounds*, **2015**, 640, 416-420	5.7	164
39	Relaxor Ferroelectric BaTiO3–Bi(Mg2/3Nb1/3)O3 Ceramics for Energy Storage Application. *Journal of the American Ceramic Society*, **2015**, 98, 559-566	3.8	339
38	Compositional behavior of Raman-active phonons in Pb(Zr1−xTix)O3 ceramics. *Physical Review B*, **2015**, 91,	3.3	38
37	Piezoelectric activity in Perovskite ferroelectric crystals. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2015**, 62, 18-32	3.2	61
36	Achieving Both High d 33 and High Q m for the Pb(Zr0.26Sn0.26Ti0.48)1− Fe x O3−/2 Ternary System for Use in High-Power Ultrasonic Transducers. *Journal of Electronic Materials*, **2014**, 43, 3905-3911	1.9	9
35	Achieving single domain relaxor-PT crystals by high temperature poling. *CrystEngComm*, **2014**, 16, 2892-2897	3.9	41
34	Electrostrictive effect in ferroelectrics: An alternative approach to improve piezoelectricity. *Applied Physics Reviews*, **2014**, 1, 011103	17.3	276
33	Energy storage properties in Ba 0.4 Sr 0.6 TiO 3 ceramics with addition of semi-conductive BaO–B 2 O 3 –SiO 2 –Na 2 CO 3 –K 2 CO 3 glass. *Journal of Alloys and Compounds*, **2014**, 617, 399-403	5.7	84
32	Polymorphic structure evolution and large piezoelectric response of lead-free (Ba,Ca)(Zr,Ti)O3 ceramics. *Applied Physics Letters*, **2014**, 104, 112901	3.4	66
31	Dielectric and energy storage properties of barium strontium titanate based glass–ceramics prepared by sol–gel method. *Journal of Sol-Gel Science and Technology*, **2014**, 71, 522-529	2.3	7
30	Effect of Sn Content on Structure and Properties Near the Morphotropic Phase Boundary in a PbSnO3-PbZrO3-PbTiO3 Ternary System. *Journal of Electronic Materials*, **2014**, 43, 2614-2620	1.9	9
29	Decoding the Fingerprint of Ferroelectric Loops: Comprehension of the Material Properties and Structures. *Journal of the American Ceramic Society*, **2014**, 97, 1-27	3.8	678
28	Microstructure and ferroelectric properties of Nb2O5-modified BiFeO3-BaTiO3 lead-free ceramics for energy storage. *Materials Letters*, **2014**, 137, 79-81	3.3	112
27	High electrostrictive coefficient Q33 in lead-free Ba(Zr0.2Ti0.8)O3-x(Ba0.7Ca0.3)TiO3 piezoelectric ceramics. *Applied Physics Letters*, **2014**, 105, 232903	3.4	93
26	Microstructure and dielectric properties of (Nb + In) co-doped rutile TiO2 ceramics. *Journal of Applied Physics*, **2014**, 116, 074105	2.5	117
25	Effects of InNbO4 Fabrication on Perovskite PIN-PMN-PT. *Journal of the American Ceramic Society*, **2014**, 97, 3110-3115	3.8	7
24	Effects of ZnNb2O6 addition on BaTiO3 ceramics for energy storage. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2013**, 178, 1081-1086	3.1	54

23	Enhanced direct flexoelectricity in paraelectric phase of Ba(Ti0.87Sn0.13)O3 ceramics. *Applied Physics Letters*, **2013**, 102, 152904	3.4	58
22	Electrostrictive effect in Pb(Mg1/3Nb2/3)O3-xPbTiO3 crystals. *Applied Physics Letters*, **2013**, 102, 152910	3.4	79
21	Reverse boundary layer capacitor model in glass/ceramic composites for energy storage applications. *Journal of Applied Physics*, **2013**, 113, 024103	2.5	45
20	Polar lattice vibrations and phase transition dynamics in Pb(Zr1− Tix)O3. *Physical Review B*, **2011**, 84,	3.3	59
19	Position of defects with respect to domain walls in Fe3+-doped Pb[Zr0.52Ti0.48]O3 piezoelectric ceramics. *Applied Physics Letters*, **2011**, 98, 072907	3.4	64
18	WHAT CAN BE EXPECTED FROM LEAD-FREE PIEZOELECTRIC MATERIALS?. *Functional Materials Letters*, **2010**, 03, 5-13	1.2	270
17	Domain wall contributions in Pb(Zr,Ti)O3 ceramics at morphotropic phase boundary: A study of dielectric dispersion. *Applied Physics Letters*, **2010**, 96, 242902	3.4	81
16	Lattice dynamics and dielectric response of undoped, soft and hard PbZr0.42Ti0.58O3. *Phase Transitions*, **2010**, 83, 917-930	1.3	42
15	Separation of piezoelectric grain resonance and domain wall dispersion in Pb(Zr,Ti)O3 ceramics. *Applied Physics Letters*, **2009**, 94, 212906	3.4	46
14	Determination of three-dimensional orientations of ferroelectric single crystals by an improved rotating orientation x-ray diffraction method. *Review of Scientific Instruments*, **2009**, 80, 085106	1.7	26
13	Applications of the rotating orientation XRD method to oriented materials. *Journal Physics D: Applied Physics*, **2009**, 42, 012001	3	12
12	Evolution of transverse piezoelectric response of lead zirconate titanate ceramics under hydrostatic pressure. *Journal Physics D: Applied Physics*, **2009**, 42, 072001	3	4
11	Nanodomains in Fe+3-doped lead zirconate titanate ceramics at the morphotropic phase boundary do not correlate with high properties. *Applied Physics Letters*, **2009**, 95, 012905	3.4	74
10	Evolution of piezoelectric resonance in switching current of 0.68Pb(Mg1/3Nb2/3)O3−0.32PbTiO3ferroelectric single crystal excited by a stepwise electric field. *Journal Physics D: Applied Physics*, **2008**, 41, 202005	3	
9	Characterization of frequency-dependent glass transition temperature by Vogel–Fulcher relationship. *Journal Physics D: Applied Physics*, **2008**, 41, 152008	3	18
8	Domain switching contribution to piezoelectric response in BaTiO3 single crystals. *Applied Physics Letters*, **2008**, 93, 192904	3.4	16
7	Study of abnormal transient current of PMN-32%PT ferroelectric single crystal in time domain and frequency domain. *Journal of Electroceramics*, **2008**, 21, 601-604	1.5	
6	Piezoelectric resonance of lead zirconate titanate ceramics excited by a stepwise electric field. *Journal of Applied Physics*, **2006**, 99, 014105	2.5	2

5	Abnormal C-V curve and clockwise hysteresis loop in ferroelectric barium stannate titanate ceramics. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2005**, 120, 64-67	3.1	33
4	Isothermal relaxation of field-biased barium stannate titanate. *Applied Physics Letters*, **2005**, 87, 082905	3.4	6
3	Observation of piezoelectric resonance in time domain transient current of ferroelectric ceramics and crystals. *Applied Physics Letters*, **2005**, 87, 072910	3.4	5
2	Study of ferroelectric domain morphology in PMN-32% PT single crystals. *Ceramics International*, **2004**, 30, 1695-1698	5.1	10
1	Adaptive Tracking of SISO Nonlinear Systems Using Multilayered Neural Networks **1992**,		5