

Li Jin

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148
papers

6,054
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40
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75
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164
ext. papers

8,090
ext. citations

6
avg, IF

6.25
L-index

#	Paper	IF	Citations
148	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
147	Relaxor Ferroelectric BaTiO ₃ Bi(Mg ₂ /3Nb ₁ /3)O ₃ Ceramics for Energy Storage Application. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 559-566	3.8	339
146	Electrostrictive effect in ferroelectrics: An alternative approach to improve piezoelectricity. <i>Applied Physics Reviews</i> , 2014 , 1, 011103	17.3	276
145	WHAT CAN BE EXPECTED FROM LEAD-FREE PIEZOELECTRIC MATERIALS?. <i>Functional Materials Letters</i> , 2010 , 03, 5-13	1.2	270
144	Grain size engineered lead-free ceramics with both large energy storage density and ultrahigh mechanical properties. <i>Nano Energy</i> , 2019 , 58, 768-777	17.1	260
143	High energy density in silver niobate ceramics. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17279-17287	13	227
142	Phase transitions in bismuth-modified silver niobate ceramics for high power energy storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17525-17531	13	199
141	Dielectric and temperature stable energy storage properties of 0.88BaTiO ₃ 0.12Bi(Mg ₁ /2Ti ₁ /2)O ₃ bulk ceramics. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 416-420	5.7	164
140	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, 31109-31115	9.5	149
139	Achieve ultrahigh energy storage performance in BaTiO ₃ Bi(Mg ₁ /2Ti ₁ /2)O ₃ relaxor ferroelectric ceramics via nano-scale polarization mismatch and reconstruction. <i>Nano Energy</i> , 2020 , 67, 104264	17.1	138
138	Dielectric relaxation and Maxwell-Wagner interface polarization in Nb ₂ O ₅ doped 0.65BiFeO ₃ 0.35BaTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2017 , 121, 084103	2.5	125
137	Realizing high comprehensive energy storage performance in lead-free bulk ceramics via designing an unmatched temperature range. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27256-27266	13	122
136	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
135	Microstructure and ferroelectric properties of Nb ₂ O ₅ -modified BiFeO ₃ -BaTiO ₃ lead-free ceramics for energy storage. <i>Materials Letters</i> , 2014 , 137, 79-81	3.3	112
134	Phase transitions in tantalum-modified silver niobate ceramics for high power energy storage. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 834-842	13	111
133	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
132	A new family of sodium niobate-based dielectrics for electrical energy storage applications. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2899-2907	6	90

131	Energy storage properties in Ba _{0.4} Sr _{0.6} TiO ₃ ceramics with addition of semi-conductive BaO-B ₂ O ₃ -Bi ₂ O ₃ -Na ₂ CO ₃ -K ₂ CO ₃ glass. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 399-403	5.7	84
130	Domain wall contributions in Pb(Zr,Ti)O ₃ ceramics at morphotropic phase boundary: A study of dielectric dispersion. <i>Applied Physics Letters</i> , 2010 , 96, 242902	3.4	81
129	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. <i>Chemical Engineering Journal</i> , 2020 , 398, 125625	14.7	80
128	Regulation of energy density and efficiency in transparent ceramics by grain refinement. <i>Chemical Engineering Journal</i> , 2020 , 390, 124566	14.7	79
127	Electrostrictive effect in Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ crystals. <i>Applied Physics Letters</i> , 2013 , 102, 152910	3.4	79
126	An investigation of the dielectric energy storage performance of Bi(Mg _{2/3} Nb _{1/3})O ₃ -modified BaTiO ₃ Pb-free bulk ceramics with improved temperature/frequency stability. <i>Ceramics International</i> , 2019 , 45, 19189-19196	5.1	78
125	Nanodomains in Fe ³⁺ -doped lead zirconate titanate ceramics at the morphotropic phase boundary do not correlate with high properties. <i>Applied Physics Letters</i> , 2009 , 95, 012905	3.4	74
124	Polymorphic structure evolution and large piezoelectric response of lead-free (Ba,Ca)(Zr,Ti)O ₃ ceramics. <i>Applied Physics Letters</i> , 2014 , 104, 112901	3.4	66
123	Position of defects with respect to domain walls in Fe ³⁺ -doped Pb[Zr _{0.52} Ti _{0.48}]O ₃ piezoelectric ceramics. <i>Applied Physics Letters</i> , 2011 , 98, 072907	3.4	64
122	Piezoelectric activity in Perovskite ferroelectric crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015 , 62, 18-32	3.2	61
121	Polar lattice vibrations and phase transition dynamics in Pb(Zr _{1-x} Ti _x)O ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	59
120	Enhanced direct flexoelectricity in paraelectric phase of Ba(Ti _{0.87} Sn _{0.13})O ₃ ceramics. <i>Applied Physics Letters</i> , 2013 , 102, 152904	3.4	58
119	Dielectric and energy storage properties of BaTiO ₃ Bi(Mg _{1/2} Ti _{1/2})O ₃ ceramic: Influence of glass addition and biasing electric field. <i>Ceramics International</i> , 2017 , 43, 35-39	5.1	55
118	Effects of ZnNb ₂ O ₆ addition on BaTiO ₃ ceramics for energy storage. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 1081-1086	3.1	54
117	Structure evolution and exceptionally ultra-low hysteresis unipolar electric field-induced strain in (1-x)NaNbO ₃ -xBaTiO ₃ lead-free ferroelectrics. <i>Ceramics International</i> , 2018 , 44, 5492-5499	5.1	47
116	Separation of piezoelectric grain resonance and domain wall dispersion in Pb(Zr,Ti)O ₃ ceramics. <i>Applied Physics Letters</i> , 2009 , 94, 212906	3.4	46
115	Reverse boundary layer capacitor model in glass/ceramic composites for energy storage applications. <i>Journal of Applied Physics</i> , 2013 , 113, 024103	2.5	45
114	High electric field-induced strain with ultra-low hysteresis and giant electrostrictive coefficient in barium strontium titanate lead-free ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 295-304	6	45

113	High-performance lead-free bulk ceramics for electrical energy storage applications: design strategies and challenges. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 18026-18085	13	44
112	High energy density with ultrahigh discharging efficiency obtained in ceramic-polymer nanocomposites using a non-ferroelectric polar polymer as matrix. <i>Nano Energy</i> , 2020 , 70, 104551	17.1	43
111	Phase evolution in $(1-x)(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$ - $x\text{SrTiO}_3$ solid solutions: A study focusing on dielectric and ferroelectric characteristics. <i>Journal of Materiomics</i> , 2020 , 6, 677-691	6.7	42
110	Lattice dynamics and dielectric response of undoped, soft and hard $\text{PbZr}_{0.42}\text{Ti}_{0.58}\text{O}_3$. <i>Phase Transitions</i> , 2010 , 83, 917-930	1.3	42
109	Achieving single domain relaxor-PT crystals by high temperature poling. <i>CrystEngComm</i> , 2014 , 16, 2892-2897	3.9	41
108	Compositional behavior of Raman-active phonons in $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ ceramics. <i>Physical Review B</i> , 2015 , 91,	3.3	38
107	Energy storage properties of bismuth ferrite based ternary relaxor ferroelectric ceramics through a viscous polymer process. <i>Chemical Engineering Journal</i> , 2021 , 412, 127555	14.7	38
106	All-organic dielectric nanocomposites using conducting polypyrrole nanoclips as filler. <i>Composites Science and Technology</i> , 2018 , 167, 285-293	8.6	36
105	Abnormal CIV curve and clockwise hysteresis loop in ferroelectric barium stannate titanate ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 120, 64-67	3.1	33
104	High thermal stability of electric field-induced strain in $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ - $x\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Ti}_{0.9}\text{Zr}_{0.1}\text{O}_3$ lead-free ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 277-286	6	32
103	Energy storage performance of BaTiO_3 -based relaxor ferroelectric ceramics prepared through a two-step process. <i>Chemical Engineering Journal</i> , 2021 , 419, 129673	14.7	32
102	Significantly enhanced room temperature electrocaloric response with superior thermal stability in sodium niobate-based bulk ceramics. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11665-11672	13	30
101	Origin of composition-insensitive electrostrictive coefficient and continuous decrease of domain wall density in $(1-x)\text{NaNbO}_3$ - $x\text{BaTiO}_3$ lead-free ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3127-3135	6	29
100	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3603-3611	13	28
99	A strategy for obtaining high electrostrictive properties and its application in barium stannate titanate lead-free ferroelectrics. <i>Ceramics International</i> , 2018 , 44, 21816-21824	5.1	28
98	Cyclic performance of bonded sleeve beam-column connections for FRP tubular sections. <i>Composites Part B: Engineering</i> , 2018 , 142, 171-182	10	27
97	The dielectric properties for $(\text{Nb},\text{In},\text{B})$ co-doped rutile TiO_2 ceramics. <i>Ceramics International</i> , 2017 , 43, 6403-6409	5.1	26
96	Determination of three-dimensional orientations of ferroelectric single crystals by an improved rotating orientation x-ray diffraction method. <i>Review of Scientific Instruments</i> , 2009 , 80, 085106	1.7	26

95	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
94	Ionic and electronic conductivity of solid electrolyte Li _{0.5} La _{0.5} TiO ₃ doped with LiO ₂ -SiO ₂ -B ₂ O ₃ glass. <i>Journal of Alloys and Compounds</i> , 2018 , 739, 892-896	5.7	25
93	High electrostrictive effect in La ³⁺ -doped Ba(Zr _{0.2} Ti _{0.8})O ₃ lead-free ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 599-605	5.7	25
92	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte Li ₃ La _{2/3} -TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4483-4487	6	25
91	Symmetry changes during relaxation process and pulse discharge performance of the BaTiO ₃ -Bi(Mg _{1/2} Ti _{1/2})O ₃ ceramic. <i>Journal of Applied Physics</i> , 2018 , 124, 054101	2.5	24
90	Significantly improved energy storage performance of NBT-BT based ceramics through domain control and preparation optimization. <i>Chemical Engineering Journal</i> , 2021 , 420, 129900	14.7	24
89	Dielectric, ferroelectric and energy storage properties of lead-free (1-x)Ba _{0.9} Sr _{0.1} TiO ₃ -xBi(Zn _{0.5} Zr _{0.5})O ₃ ferroelectric ceramics sintered at lower temperature. <i>Ceramics International</i> , 2019 , 45, 15556-15565	5.1	23
88	Structure evolution, ferroelectric properties, and energy storage performance of CaSnO ₃ modified BaTiO ₃ -based Pb-free ceramics. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154160	5.7	23
87	Ultra-low hysteresis electrostrictive strain with high thermal stability in Bi(Li _{0.5} Nb _{0.5})O ₃ -modified BaTiO ₃ lead-free ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2018 , 753, 558-565	5.7	23
86	Enhanced electrical properties and energy storage performances of NBT-ST Pb-free ceramics through glass modification. <i>Journal of Alloys and Compounds</i> , 2020 , 836, 154961	5.7	22
85	Study of the structure, electrical properties, and energy storage performance of ZnO-modified Ba _{0.65} Sr _{0.245} Bi _{0.07} TiO ₃ Pb-free ceramics. <i>Ceramics International</i> , 2020 , 46, 8-16	5.1	20
84	Characterizations of P(VDF-HFP)-BaTiO ₃ nanocomposite films fabricated by a spin-coating process. <i>Ceramics International</i> , 2019 , 45, 17758-17766	5.1	19
83	Characterization of frequency-dependent glass transition temperature by Vogel-Bulcher relationship. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 152008	3	18
82	Ultra-low hysteresis electric field-induced strain with high electrostrictive coefficient in lead-free Ba(Zr Ti _{1-x})O ₃ ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 931-938	5.7	18
81	High dielectric permittivity and electrostrictive strain in a wide temperature range in relaxor ferroelectric (1-x)[Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃]-xBa(Zn _{1/3} Nb _{2/3})O ₃ solid solutions. <i>Ceramics International</i> , 2019 , 45, 5518-5524	5.1	18
80	Ultrahigh room temperature electrocaloric response in lead-free bulk ceramics via tape casting. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6860-6866	7.1	17
79	Effect of Dy ₂ O ₃ content on the dielectric, ferroelectric, and energy storage properties of lead-free 0.5Na _{0.5} Bi _{0.5} TiO ₃ 0.5SrTiO ₃ bulk ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 13556-13566	2.1	17
78	Thermally stable electrostrains and composition-dependent electrostrictive coefficient Q ₃₃ in lead-free ferroelectric ceramics. <i>Ceramics International</i> , 2019 , 45, 22854-22861	5.1	16

77	Domain switching contribution to piezoelectric response in BaTiO ₃ single crystals. <i>Applied Physics Letters</i> , 2008 , 93, 192904	3.4	16
76	Energy storage performance of Na _{0.5} Bi _{0.5} TiO ₃ based lead-free ferroelectric ceramics prepared via non-uniform phase structure modification and rolling process. <i>Chemical Engineering Journal</i> , 2021 , 420, 130475	14.7	16
75	Laminated Modulation of Tricritical Ferroelectrics Exhibiting Highly Enhanced Dielectric Permittivity and Temperature Stability. <i>Advanced Functional Materials</i> , 2019 , 29, 1807162	15.6	16
74	Na _{0.25} Sr _{0.5} Bi _{0.25} TiO ₃ relaxor ferroelectric ceramic with greatly enhanced electric storage property by a B-site ion doping. <i>Ceramics International</i> , 2020 , 46, 11680-11688	5.1	15
73	A compromise between piezoelectricity and transparency in KNN-based ceramics: The dual functions of Li ₂ O addition. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2331-2337	6	14
72	Electrostriction coefficient of ferroelectric materials from ab initio computation. <i>AIP Advances</i> , 2016 , 6, 065122	1.5	14
71	Ferroelectric transitions in silver niobate ceramics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1028-1034	7.1	13
70	Applications of the rotating orientation XRD method to oriented materials. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 012001	3	12
69	Lead-free Nonlinear Dielectric Ceramics for Energy Storage Applications: Current Status and Challenges. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2018 , 33, 1046	1	12
68	Relaxation behavior and electrical inhomogeneity in 0.9BaTiO ₃ -0.1Bi(Mg _{1/2} Ti _{1/2})O ₃ ceramic. <i>Ceramics International</i> , 2017 , 43, 12828-12834	5.1	11
67	Understanding doped perovskite ferroelectrics with defective dipole model. <i>Journal of Chemical Physics</i> , 2018 , 149, 244122	3.9	11
66	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
65	Bending Performance of Splice Connections for Assembly of Tubular Section FRP Members: Experimental and Numerical Study. <i>Journal of Composites for Construction</i> , 2019 , 23, 04019040	3.3	10
64	Enhanced breakdown strength and improved ferroelectric properties in lead-containing relaxor ferroelectric ceramics with addition of glass. <i>Materials Research Express</i> , 2019 , 6, 116310	1.7	10
63	Study of ferroelectric domain morphology in PMN ₉₂ PT single crystals. <i>Ceramics International</i> , 2004 , 30, 1695-1698	5.1	10
62	Dielectric properties and I-V characteristics of Li _{0.5} La _{0.5} TiO ₃ solid electrolyte for ceramic supercapacitors. <i>Ceramics International</i> , 2019 , 45, 8243-8247	5.1	9
61	Achieving Both High d_{33} and High Q_m for the Pb(Zr _{0.26} Sn _{0.26} Ti _{0.48}) _{1-x} Fe _x O ₃ /2 Ternary System for Use in High-Power Ultrasonic Transducers. <i>Journal of Electronic Materials</i> , 2014 , 43, 3905-3914	1.9	9
60	Effect of Sn Content on Structure and Properties Near the Morphotropic Phase Boundary in a PbSnO ₃ -PbZrO ₃ -PbTiO ₃ Ternary System. <i>Journal of Electronic Materials</i> , 2014 , 43, 2614-2620	1.9	9

59	Crystallization behaviors and related dielectric properties of semicrystalline matrix in polymer-ceramic nanocomposites. <i>Composites Part B: Engineering</i> , 2021 , 224, 109195	10	9
58	High thermally stable dielectric permittivity, polarization enhancement and electrostrictive properties in Zr-substituted bismuth sodium titanate lead-free ferroelectric ceramics. <i>Ceramics International</i> , 2020 , 46, 22889-22899	5.1	8
57	Debye-like relaxation behavior and electric field induced dipole re-orientation of the 0.6BaTiO ₃ -0.4Bi(Mg ^{1/2} Ti ^{1/2})O ₃ ceramic. <i>Ceramics International</i> , 2018 , 44, 922-930	5.1	8
56	Bi(Mg _{0.5} Ti _{0.5})O ₃ -doped NaNbO ₃ ferroelectric ceramics: Linear regulation of Curie temperature and ultra-high thermally stable dielectric response. <i>Ceramics International</i> , 2019 , 45, 21175-21182	5.1	8
55	Self-assembled full nanowire P(VDF-TrFE) films with both anisotropic and high bidirectional piezoelectricity. <i>Nanoscale</i> , 2019 , 11, 14896-14906	7.7	8
54	An Investigation of Dielectric, Piezoelectric Properties and Microstructures of Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -Bi _{0.5} K _{0.5} TiO ₃ Lead-Free Piezoelectric Ceramics Doped with K ₂ AlNbO ₅ Compound. <i>Journal of Electronic Materials</i> , 2017 , 46, 5287-5295	1.9	8
53	Polymer-Based Nanocomposites with High Dielectric Permittivity 2019 , 201-243		8
52	Thermal stability of dielectric and energy storage performances of Ca-substituted BNTZ ferroelectric ceramics. <i>Ceramics International</i> , 2021 , 47, 6298-6309	5.1	8
51	Dielectric and electro-mechanic nonlinearities in perovskite oxide ferroelectrics, relaxors, and relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2021 , 129, 054101	2.5	8
50	Phase coexistence and evolution in sol-gel derived BY-PT-PZ ceramics with significantly enhanced piezoelectricity and high temperature stability. <i>Journal of Materiomics</i> , 2019 , 5, 394-403	6.7	7
49	Dielectric and energy storage properties of barium strontium titanate based glass-ceramics prepared by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2014 , 71, 522-529	2.3	7
48	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
47	Structure and conductivity of perovskite Li _{0.355} La _{0.35} Sr _{0.3} Ti _{0.995} M _{0.005} O ₃ (M = Al, Co and In) ceramics. <i>Ceramics International</i> , 2019 , 45, 23941-23947	5.1	6
46	Isothermal relaxation of field-biased barium stannate titanate. <i>Applied Physics Letters</i> , 2005 , 87, 082905	3.4	6
45	Structure tailorable triple-phase and pure double-polar-phase flexible IF-WS ₂ @poly(vinylidene fluoride) nanocomposites with enhanced electrical and mechanical properties. <i>Journal of Materiomics</i> , 2020 , 6, 563-572	6.7	6
44	Phonon band structures of the three dimensional latticed pentamode metamaterials. <i>AIP Advances</i> , 2017 , 7, 025309	1.5	5
43	Charge effects in donor-doped perovskite ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5392-5399	3.8	5
42	Dielectric relaxation and phase transition behavior of (1-x)Pb(Zn ^{1/3} Nb ^{2/3})O ₃ -xBaTiO ₃ binary solid solutions. <i>Ceramics International</i> , 2018 , 44, 18491-18498	5.1	5

41	Observation of piezoelectric resonance in time domain transient current of ferroelectric ceramics and crystals. <i>Applied Physics Letters</i> , 2005 , 87, 072910	3.4	5
40	Enhancement of energy storage performance in lead-free barium titanate-based relaxor ferroelectrics through a synergistic two-step strategy design. <i>Chemical Engineering Journal</i> , 2022 , 434, 134678	14.7	5
39	Adaptive Tracking of SISO Nonlinear Systems Using Multilayered Neural Networks 1992 ,		5
38	Acoustically induced transparency by using concentric spherical shells with coaxial aperture array. <i>Applied Physics Letters</i> , 2016 , 109, 073503	3.4	5
37	Evolution of transverse piezoelectric response of lead zirconate titanate ceramics under hydrostatic pressure. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 072001	3	4
36	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. <i>Chemistry of Materials</i> , 2020 , 32, 6456-6463	9.6	4
35	Influence of core-shell structured conductive fillers on the electromechanical properties of ferroelectric nanocomposites. <i>Journal of Materials Science</i> , 2021 , 56, 9157-9170	4.3	4
34	Enhanced performance by inducing defect dipoles in lead based relaxor ferroelectric PHT-based ceramics. <i>Ceramics International</i> , 2021 , 47, 23637-23646	5.1	4
33	Symmetry-mode analysis for intuitive observation of structure-property relationships in the lead-free antiferroelectric (1-)AgNbO-LiTaO. <i>IUCrJ</i> , 2019 , 6, 740-750	4.7	3
32	Ultrahigh electrostrictive effect in potassium sodium niobate-based lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 944-953	6	3
31	Achieving ultrahigh energy storage performance over a broad temperature range in (Bi _{0.5} Na _{0.5})TiO ₃ -based eco-friendly relaxor ferroelectric ceramics via multiple engineering processes. <i>Journal of Alloys and Compounds</i> , 2022 , 896, 163139	5.7	3
30	Filler size effects on the microstructure and properties of polymer-ceramic nanocomposites using a semicrystalline matrix. <i>Journal of Materials Science</i> , 2021 , 56, 19983	4.3	3
29	Composition dependence of dielectric properties in Pb(Zn _{1/3} Nb _{2/3})O ₃ BbTiO ₃ BaTiO ₃ (PZNBTBT) relaxor ferroelectric ceramics. <i>Journal of Advanced Dielectrics</i> , 2017 , 07, 1750008	1.3	2
28	Dielectric and ferroelectric properties of CuO-doped lead magnesium niobate-based relaxor ferroelectric ceramics. <i>Journal of Advanced Dielectrics</i> , 2019 , 09, 1950033	1.3	2
27	Piezoelectric resonance of lead zirconate titanate ceramics excited by a stepwise electric field. <i>Journal of Applied Physics</i> , 2006 , 99, 014105	2.5	2
26	Enhanced antiferroelectric-like relaxor ferroelectric characteristic boosting energy storage performance of (Bi _{0.5} Na _{0.5})TiO ₃ -based ceramics via defect engineering. <i>Journal of Materiomics</i> , 2022 ,	6.7	2
25	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 54124-54132	9.5	2
24	Phase evolution and relaxor to ferroelectric phase transition boosting ultrahigh electrostrains in (1-x)(Bi _{1/2} Na _{1/2})TiO ₃ -x(Bi _{1/2} K _{1/2})TiO ₃ solid solutions. <i>Journal of Materiomics</i> , 2021 ,	6.7	2

23	Silver deficiency effect on dielectric properties and energy storage performance of AgNbO ₃ ceramics. <i>Ceramics International</i> , 2021 , 47, 26178-26184	5.1	2
22	Effect of SnO ₂ P ₂ O ₅ MgO glass addition on the ionic conductivity of Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ solid electrolyte. <i>Ceramics International</i> , 2021 ,	5.1	2
21	A wearable, nozzle-diffuser microfluidic pump based on high-performance ferroelectric nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2021 , 347, 130611	8.5	2
20	Exploring Charged Defects in Ferroelectrics by the Switching Spectroscopy Piezoresponse Force Microscopy.. <i>Small Methods</i> , 2021 , e2101289	12.8	2
19	High energy storage and thermal stability under low electric field in Bi _{0.5} Na _{0.5} TiO ₃ -modified BaTiO ₃ -Bi(Zn _{0.25} Ta _{0.5})O ₃ ceramics. <i>Chemical Engineering Journal</i> , 2022 , 136505	14.7	2
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