

# Xiaoyong Wei

## List of Publications by Year in descending order

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232  
papers

9,468  
citations

50170

46  
h-index

45213

90  
g-index

237  
all docs

237  
docs citations

237  
times ranked

4188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase evolution and relaxor to ferroelectric phase transition boosting ultrahigh electrostrains in $(1-x)(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3-x(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ solid solutions. <i>Journal of Materiomics</i> , 2022, 8, 335-346.	2.8	39
2	Effect of $\text{SnO}_2\text{-P}_2\text{O}_5\text{-MgO}$ glass addition on the ionic conductivity of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ solid electrolyte. <i>Ceramics International</i> , 2022, 48, 157-163.	2.3	14
3	Enhanced energy storage performance under low electric field in $\text{Sm}^{3+}$ doped $\text{AgNbO}_3$ ceramics. <i>Journal of Materiomics</i> , 2022, 8, 266-273.	2.8	22
4	Ultrahigh electrostrictive effect in potassium sodium niobate-based lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 944-953.	2.8	37
5	Low temperature sintering of PLZST-based antiferroelectric ceramics with $\text{Al}_2\text{O}_3$ addition for energy storage applications. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1380-1387.	2.8	17
6	Frequency dependence of antiferroelectric/ferroelectric phase transition of PLZST ceramic. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2634-2645.	1.9	6
7	Enhanced energy storage performance of eco-friendly BNT-based relaxor ferroelectric ceramics via polarization mismatch-reestablishment and viscous polymer process. <i>Ceramics International</i> , 2022, 48, 6512-6519.	2.3	28
8	Achieving ultrahigh energy storage performance over a broad temperature range in $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based eco-friendly relaxor ferroelectric ceramics via multiple engineering processes. <i>Journal of Alloys and Compounds</i> , 2022, 896, 163139.	2.8	33
9	Microstructure and ionic conductivity of $\text{Li}_{0.5}\text{-La}_{0.5}(\text{Ti}_{1-\text{Nb}})\text{O}_3$ solid-state electrolytes. <i>Journal of Alloys and Compounds</i> , 2022, 896, 163084.	2.8	5
10	Colossal permittivity and ultralow dielectric loss in $\text{SrTi}_{1-\text{Nb}}\text{O}_3$ ceramics sintered at different atmospheres via defect chemistry improvement. <i>Ceramics International</i> , 2022, 48, 12692-12698.	2.3	7
11	High energy and power density achieved in $\text{Pb}_{0.94}\text{La}_{0.04}\text{HfO}_3$ antiferroelectric ceramics with multiple phase transition. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	13
12	Optical properties and laser-induced damage threshold for $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -based ferroelectric crystals. <i>Ceramics International</i> , 2022, 48, 11909-11914.	2.3	1
13	Enhanced antiferroelectric-like relaxor ferroelectric characteristic boosting energy storage performance of $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based ceramics via defect engineering. <i>Journal of Materiomics</i> , 2022, 8, 527-536.	2.8	47
14	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.	6.6	57
15	Enhanced energy-storage properties in lead-free $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based dielectric ceramics via glass additive and viscous polymer rolling process. <i>Ceramics International</i> , 2022, 48, 15711-15720.	2.3	4
16	Quasi-phase matched second harmonic generation in a PMN-38PT crystal. <i>Optics Letters</i> , 2022, 47, 2056.	1.7	4
17	Structural evolution and ferroelectric properties in lead-free $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.4}\text{K}_{0.1})\text{TiO}_3-x\text{SrTiO}_3$ solid solutions. <i>Ceramics International</i> , 2022, , .	2.3	0
18	Optical Induction and Erasure of Ferroelectric Domains in Tetragonal PMN-38PT Crystals. <i>Advanced Optical Materials</i> , 2022, 10, 2102115.	3.6	10

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19	Ferroelectric crystals with giant electro-optic property enabling ultracompact Q-switches. <i>Science</i> , 2022, 376, 371-377.	6.0	46
20	Relaxor antiferroelectric-like characteristic boosting enhanced energy storage performance in eco-friendly (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -based ceramics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 4528-4538.	2.8	28
21	Ultra-slim electrostrains with superior temperature-stability in lead-free sodium niobate-based ferroelectric perovskite. <i>Journal of Materiomics</i> , 2022, 8, 1230-1238.	2.8	6
22	Effective strategy to improve energy storage properties in lead-free (Ba <sub>0.8</sub> Sr <sub>0.2</sub> )TiO <sub>3</sub> -Bi(Mg <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> relaxor ferroelectric ceramics. <i>Chemical Engineering Journal</i> , 2022, 446, 137389.	6.6	40
23	Significantly enhanced energy storage properties in sandwich-structured polymer composites with self-assembled boron nitride layers. <i>Applied Surface Science</i> , 2022, 598, 153673.	3.1	7
24	Silver niobate perovskites: structure, properties and multifunctional applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14747-14787.	5.2	27
25	Li <sup>+</sup> and Sm <sup>3+</sup> co-doped AgNbO <sub>3</sub> -based antiferroelectric ceramics for high-power energy storage. <i>Ceramics International</i> , 2022, 48, 32703-32711.	2.3	15
26	Effect of electric field intensity on domain kinetics of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ∞ <sup>0.38</sup> PbTiO <sub>3</sub> single crystal. <i>Ceramics International</i> , 2022, , .	2.3	0
27	Enhancing high field dielectric properties of polymer films by wrapping a thin layer of self-assembled boron nitride film. <i>Applied Surface Science</i> , 2021, 535, 147737.	3.1	24
28	Formation mechanism of barium titanate single crystalline microplates based on topochemical transformation using bismuth-based precursors. <i>Ceramics International</i> , 2021, 47, 4543-4550.	2.3	2
29	Thermal stability of dielectric and energy storage performances of Ca-substituted BNTZ ferroelectric ceramics. <i>Ceramics International</i> , 2021, 47, 6298-6309.	2.3	33
30	Measurement of Comb Finger and Comb Spacing Stability in Phononic Frequency Comb. , 2021, , .		1
31	Characterization of an Asymmetrical Capacitive MEMS Tilt Sensor. , 2021, , .		0
32	Local polarization reversal in barium titanate single crystals and ceramics. <i>Ferroelectrics</i> , 2021, 574, 1-7.	0.3	0
33	Domain structure evolution during alternating current poling and its influence on the piezoelectric properties in [001]-cut rhombohedral PIN-PMN-PT single crystals. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	13
34	Tailoring Dielectric and Energy Storage Performance of PVDF-Based Relaxor Ferroelectrics with Hydrogen Bonds. <i>ACS Applied Energy Materials</i> , 2021, 4, 8454-8464.	2.5	18
35	Silver deficiency effect on dielectric properties and energy storage performance of AgNbO <sub>3</sub> ceramics. <i>Ceramics International</i> , 2021, 47, 26178-26184.	2.3	11
36	Structure, dielectric, electrostrictive and electrocaloric properties of environmentally friendly Bi-substituted BCZT ferroelectric ceramics. <i>Ceramics International</i> , 2021, 47, 34676-34686.	2.3	13

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37	High electric energy and power density achieved in $Pb_{1-x}Bi_xTiO_3$ relaxor ferroelectric ceramics. Journal of Alloys and Compounds, 2021, 877, 160100.	2.0	13
38	Electric field-induced transformations in bismuth sodium titanate-based materials. Progress in Materials Science, 2021, 122, 100837.	16.0	36
39	Microwave Dielectric Materials with Defect-Dipole Clusters Induced Colossal Permittivity and Ultra-low Loss. ACS Applied Electronic Materials, 2021, 3, 5015-5022.	2.0	8
40	Single-path electro-optic coefficients measurement approach using multiple reflection interference. Applied Optics, 2021, 60, 10372.	0.9	2
41	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile $SnO_2$ . ACS Applied Materials & Interfaces, 2021, 13, 54124-54132.	4.0	9
42	Q-factor modification of LN based WGM resonator. Materials Letters, 2021, , 131292.	1.3	3
43	Achieve ultrahigh energy storage performance in $BaTiO_3 \text{â€} Bi(Mg_{1/2}Ti_{1/2})O_3$ relaxor ferroelectric ceramics via nano-scale polarization mismatch and reconstruction. Nano Energy, 2020, 67, 104264.	8.2	320
44	PLZST antiferroelectric ceramics with promising energy storage and discharge performance for high power applications. Journal of the American Ceramic Society, 2020, 103, 1831-1838.	1.9	56
45	Enhanced energy storage capability of P(VDF-HFP) nanodielectrics by HfO <sub>2</sub> passivation layer: Preparation, performance and simulation. Composites Science and Technology, 2020, 188, 107968.	3.8	38
46	Flexible composites with Ce-doped $BaTiO_3$ /P(VDF-TrFE) nanofibers for piezoelectric device. Composites Science and Technology, 2020, 200, 108386.	3.8	26
47	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. Chemistry of Materials, 2020, 32, 6456-6463.	3.2	12
48	Dense ferroelectric-ferroelastic domain structures in rhombohedral PMN-28PT single crystals. Applied Physics Letters, 2020, 116, .	1.5	5
49	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.	2.3	16
50	Study of the electric field-induced domain structure transformation in $BaTiO_3$ ceramics by high resolution methods. Ferroelectrics, 2020, 559, 83-92.	0.3	5
51	An interdigital electrode type sensor based on P(VDF-TrFE) nanofibers. Journal of Alloys and Compounds, 2020, 831, 154657.	2.8	8
52	Different domain switching kinetics in tetragonal PMN-PT single crystal studied by in situ observation and current analysis. Journal of the European Ceramic Society, 2020, 40, 2922-2928.	2.8	9
53	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.	2.3	3
54	10.1063/5.0008522.1. , 2020, , .		0

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55	A decade of development in advanced dielectrics research from JAD's perspectives. Journal of Advanced Dielectrics, 2020, 10, 2001001.	1.5	0
56	Phase transition behavior and high electrostrictive strains in Bi(Li <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> -doped lead magnesium niobate-based solid solutions. Journal of Alloys and Compounds, 2019, 806, 206-214.	2.8	14
57	Structure and conductivity of perovskite Li <sub>0.355</sub> La <sub>0.35</sub> Sr <sub>0.3</sub> Ti <sub>0.995</sub> M <sub>0.005</sub> O <sub>3</sub> (M = Al, Co and In) ceramics. Ceramics International, 2019, 45, 23941-23947.	2.3	12
58	Temperature and electric field treatment of the rhombohedral PMN-PT single crystals. Ferroelectrics, 2019, 541, 66-73.	0.3	1
59	Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> -doped NaNbO <sub>3</sub> ferroelectric ceramics: Linear regulation of Curie temperature and ultra-high thermally stable dielectric response. Ceramics International, 2019, 45, 21175-21182.	2.3	14
60	Linear optical properties and second-harmonic generation of (1-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> single crystals. Ferroelectrics, 2019, 542, 112-119.	0.3	8
61	Thermally stable electrostrains and composition-dependent electrostrictive coefficient Q <sub>33</sub> in lead-free ferroelectric ceramics. Ceramics International, 2019, 45, 22854-22861.	2.3	29
62	Soft modes condensation in Raman spectra of (Pb-La)(Zr-Sn-Ti)O <sub>3</sub> ceramics. Journal of Advanced Dielectrics, 2019, 09, 1950024.	1.5	0
63	Micro-Raman Imaging of Ferroelectric Domain Structures in the Bulk of PMN-PT Single Crystals. Crystals, 2019, 9, 65.	1.0	10
64	Abnormal phase transition and polarization mismatch phenomena in BaTiO <sub>3</sub> -based relaxor ferroelectrics. Journal of Advanced Dielectrics, 2019, 09, 1930002.	1.5	33
65	Enhanced breakdown strength and improved ferroelectric properties in lead-containing relaxor ferroelectric ceramics with addition of glass. Materials Research Express, 2019, 6, 116310.	0.8	13
66	AFM-tip written normal and anomalous domains in PMN-0.4PT crystals. Journal of Applied Physics, 2019, 126, .	1.1	3
67	Direct observation of domain kinetics in rhombohedral PMN-28PT single crystals during polarization reversal. Applied Physics Letters, 2019, 115, .	1.5	9
68	Dielectric and ferroelectric properties of CuO-doped lead magnesium niobate-based relaxor ferroelectric ceramics. Journal of Advanced Dielectrics, 2019, 09, 1950033.	1.5	3
69	Grain size engineered lead-free ceramics with both large energy storage density and ultrahigh mechanical properties. Nano Energy, 2019, 58, 768-777.	8.2	457
70	Dielectric properties and I-V characteristics of Li <sub>0.5</sub> La <sub>0.5</sub> TiO <sub>3</sub> solid electrolyte for ceramic supercapacitors. Ceramics International, 2019, 45, 8243-8247.	2.3	19
71	Phase transitions in tantalum-modified silver niobate ceramics for high power energy storage. Journal of Materials Chemistry A, 2019, 7, 834-842.	5.2	185
72	Ferroelectric transitions in silver niobate ceramics. Journal of Materials Chemistry C, 2019, 7, 1028-1034.	2.7	32

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73	Phase distribution and corresponding piezoelectric responses in a morphotropic phase boundary Pb(Mg Nb )O <sub>3</sub> -PbTiO <sub>3</sub> single crystal revealed by confocal Raman spectroscopy and piezo-response force microscopy. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4131-4138.	2.8	10
74	Collective nonlinear electric polarization <i>via</i> defect-driven local symmetry breaking. <i>Materials Horizons</i> , 2019, 6, 1717-1725.	6.4	25
75	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.	2.8	144
76	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.	2.8	37
77	Achieve single domain state in (111)-oriented rhombohedral phase PMN-PT relaxor ferroelectric single crystals for electro-optical application. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	7
78	Analysis on nonlinearity of antiferroelectric multilayer ceramic capacitor (MLCC) for energy storage. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 2005-2011.	1.8	12
79	High thermal stability of electric field-induced strain in (1 $\hat{\sim}$ x)(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -xBa <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> lead-free ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 277-286.	2.8	56
80	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.	2.8	80
81	Ultra-low hysteresis electric field-induced strain with high electrostrictive coefficient in lead-free Ba(Zr Ti <sub>1</sub> )O <sub>3</sub> ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2019, 784, 931-938.	2.8	26
82	High electrostrictive effect in La <sup>3+</sup> -doped Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> lead-free ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2019, 776, 599-605.	2.8	35
83	High dielectric permittivity and electrostrictive strain in a wide temperature range in relaxor ferroelectric (1-x)[Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> ]-xBa(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> solid solutions. <i>Ceramics International</i> , 2019, 45, 5518-5524.	2.3	24
84	Symmetry-mode analysis for intuitive observation of structure $\hat{\sim}$ property relationships in the lead-free antiferroelectric (1 $\hat{\sim}$ x)AgNbO <sub>3</sub> -xLiTaO <sub>3</sub> . <i>IUCr</i> , 2019, 6, 740-750.	1.0	11
85	10.1063/1.5114885.1. , 2019, , .		0
86	Thermal annealing and single $\hat{\sim}$ domain preparation in tetragonal Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> $\hat{\sim}$ Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> $\hat{\sim}$ PbTiO <sub>3</sub> crystal for electro $\hat{\sim}$ optic and non $\hat{\sim}$ linear optical applications. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	14
87	Structure evolution and exceptionally ultra-low hysteresis unipolar electric field-induced strain in (1 $\hat{\sim}$ x)NaNbO <sub>3</sub> -xBaTiO <sub>3</sub> lead-free ferroelectrics. <i>Ceramics International</i> , 2018, 44, 5492-5499.	2.3	65
88	Ionic and electronic conductivity of solid electrolyte Li <sub>0.5</sub> La <sub>0.5</sub> TiO <sub>3</sub> doped with LiO <sub>2</sub> -SiO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> glass. <i>Journal of Alloys and Compounds</i> , 2018, 739, 892-896.	2.8	35
89	Ultra-low hysteresis electrostrictive strain with high thermal stability in Bi(Li <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> -modified BaTiO <sub>3</sub> lead-free ferroelectrics. <i>Journal of Alloys and Compounds</i> , 2018, 753, 558-565.	2.8	29
90	Investigation of domain structure evolution during zero-field temperature treatment in 0.67PMN-0.33PT single crystals. <i>Ferroelectrics</i> , 2018, 525, 114-122.	0.3	3

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91	Origin of composition-insensitive electrostrictive coefficient and continuous decrease of domain wall density in $(1-x)\text{NaNbO}_3\text{-}x\text{BaTiO}_3$ lead-free ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3127-3135.	2.8	40
92	Microstructure and elastic properties of $\text{BaTiO}_3$ nanofibers sintered in various atmospheres. <i>Ceramics International</i> , 2018, 44, 2426-2431.	2.3	15
93	Debye-like relaxation behavior and electric field induced dipole re-orientation of the $0.6\text{BaTiO}_3\text{-}0.4\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ ceramic. <i>Ceramics International</i> , 2018, 44, 922-930.	2.3	9
94	A W-band broadband power divider/combiner using two parallel antisymmetric tapered probes. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2018, 28, e21158.	0.8	1
95	Epitaxially strained $\text{SnTiO}_3$ at finite temperatures. <i>Chinese Physics B</i> , 2018, 27, 127702.	0.7	5
96	The effect of machining on domain configuration in $[001]$ -oriented tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}\text{PbTiO}_3$ single crystals. <i>Journal of Applied Physics</i> , 2018, 124, 173103.	1.1	2
97	Enhanced ability of defect detection using high voltage time-domain resonance analysis and impedance spectrum. <i>Journal of Applied Physics</i> , 2018, 124, 074501.	1.1	1
98	Radar cross section reduction metasurface based on random phase gradients. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	1.1	8
99	Direct observation of the domain kinetics during polarization reversal of tetragonal PMN-PT crystal. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	17
100	Ionic conduction, colossal permittivity and dielectric relaxation behavior of solid electrolyte $\text{Li}_3\text{La}_2/3\text{-TiO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4483-4487.	2.8	50
101	Symmetry changes during relaxation process and pulse discharge performance of the $\text{BaTiO}_3\text{-Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ ceramic. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	31
102	Dielectric relaxation and phase transition behavior of $(1-x)\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}x\text{BaTiO}_3$ binary solid solutions. <i>Ceramics International</i> , 2018, 44, 18491-18498.	2.3	6
103	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.	2.3	45
104	Tunable permittivity in polymer composites filled with Si-based semiconductors by regulating induced polarization. <i>Materials Science in Semiconductor Processing</i> , 2017, 61, 63-70.	1.9	12
105	Dielectric relaxation and Maxwell-Wagner interface polarization in $\text{Nb}_2\text{O}_5$ doped $0.65\text{BiFeO}_3\text{-}0.35\text{BaTiO}_3$ ceramics. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	175
106	The dielectric properties for $(\text{Nb},\text{In},\text{B})$ co-doped rutile $\text{TiO}_2$ ceramics. <i>Ceramics International</i> , 2017, 43, 6403-6409.	2.3	32
107	Effects of phase transition on discharge properties of $\text{PLZST}$ antiferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3618-3625.	1.9	48
108	Composition dependence of dielectric properties in $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}\text{PbTiO}_3\text{-}\text{BaTiO}_3\text{-}(\text{PZN}\text{-}\text{PT}\text{-}\text{BT})$ relaxor ferroelectric ceramics. <i>Journal of Advanced Dielectrics</i> , 2017, 07, 1750008.	1.5	2



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109	Polarization reversal and domain kinetics in PMN-30PT single crystals. <i>Ferroelectrics</i> , 2017, 508, 31-39.	0.3	2
110	Study on the Polarization and Relaxation Processes of Ferroelectric Polymer Films Using the Sawyer-Tower Circuit with Square Voltage Waveform. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12531-12539.	1.5	27
111	Wideband polarization-independent anomalous reflection metasurface with multiple resonance modes. <i>Journal of Advanced Dielectrics</i> , 2017, 07, 1750010.	1.5	7
112	Pb <sub>0.94</sub> La <sub>0.04</sub> [(Zr <sub>0.70</sub> Sn <sub>0.30</sub> ) <sub>0.90</sub> Ti <sub>0.10</sub> ]O <sub>3</sub> antiferroelectric bulk ceramics for pulsed capacitors with high energy and power density. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	99
113	Colossal permittivity behavior and its origin in rutile (Mg <sub>1/3</sub> Ta <sub>2/3</sub> )xTi <sub>1-x</sub> O <sub>2</sub> . <i>Scientific Reports</i> , 2017, 7, 9950.	1.6	60
114	Effects of La-induced phase transition on energy storage and discharge properties of PLZST ferroelectric/antiferroelectric ceramics. <i>Ceramics International</i> , 2017, 43, 13918-13923.	2.3	42
115	Effect of temperature-driven phase transition on energy-storage and -release properties of Pb <sub>0.97</sub> La <sub>0.02</sub> [Zr <sub>0.55</sub> Sn <sub>0.30</sub> Ti <sub>0.15</sub> ]O <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , 2017, 122, 024104.	1.1	19
116	Phase transitions in bismuth-modified silver niobate ceramics for high power energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17525-17531.	5.2	288
117	Relaxation behavior and electrical inhomogeneity in 0.9BaTiO <sub>3</sub> -0.1Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> ceramic. <i>Ceramics International</i> , 2017, 43, 12828-12834.	2.3	11
118	Potassium-sodium niobate based lead-free ceramics: novel electrical energy storage materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 554-563.	5.2	472
119	Dielectric and energy storage properties of BaTiO <sub>3</sub> -Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> ceramic: Influence of glass addition and biasing electric field. <i>Ceramics International</i> , 2017, 43, 35-39.	2.3	73
120	High Dielectric and Mechanical Properties Achieved in Cross-Linked PVDF/SiC Nanocomposites with Elevated Compatibility and Induced Polarization at the Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19054-19065.	4.0	93
121	Polarization of antiferroelectric ceramics for pulse capacitors under transient electric field. <i>Journal of Applied Physics</i> , 2016, 119, 224103.	1.1	42
122	Wideband helicity dependent spoof surface plasmon polaritons coupling metasurface based on dispersion design. <i>Scientific Reports</i> , 2016, 6, 38460.	1.6	4
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