

Haibo Zhang

List of Publications by Year in descending order

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116
papers

4,661
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94269

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docs citations

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times ranked

2478
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#	ARTICLE	IF	CITATIONS
1	Enhanced energy-storage performance with excellent stability under low electric fields in BNT δ ST relaxor ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 281-288.	2.7	324
2	Preparation and enhanced electrical properties of grain-oriented (Bi $_{1/2}$ Na $_{1/2}$)TiO $_3$ -based lead-free incipient piezoceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2501-2512.	2.8	219
3	A review on the development of lead-free ferroelectric energy-storage ceramics and multilayer capacitors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16648-16667.	2.7	184
4	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.	6.6	181
5	Enhanced energy density of polymer nanocomposites at a low electric field through aligned BaTiO $_3$ nanowires. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6070-6078.	5.2	175
6	Polymer Matrix Nanocomposites with 1D Ceramic Nanofillers for Energy Storage Capacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1-37.	4.0	163
7	Ultrahigh discharged energy density in polymer nanocomposites by designing linear/ferroelectric bilayer heterostructure. <i>Nano Energy</i> , 2018, 54, 437-446.	8.2	137
8	Large Strain in Relaxor/Ferroelectric Composite Lead-Free Piezoceramics. <i>Advanced Electronic Materials</i> , 2015, 1, 1500018.	2.6	120
9	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.	6.6	102
10	Advanced Catalysts for Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 12007-12031.	2.5	94
11	Temperature-insensitive electric-field-induced strain and enhanced piezoelectric properties of textured (K,Na)NbO $_3$ -based lead-free piezoceramics. <i>Acta Materialia</i> , 2018, 156, 389-398.	3.8	84
12	Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ -BaTiO $_3$ based thick-film capacitors for high-temperature applications. <i>Journal of the European Ceramic Society</i> , 2014, 34, 37-43.	2.8	82
13	Ultrahigh energy density and thermal stability in sandwich-structured nanocomposites with dopamine@Ag@BaTiO $_3$. <i>Energy Storage Materials</i> , 2020, 31, 492-504.	9.5	80
14	High discharged energy density of polymer nanocomposites containing paraelectric SrTiO $_3$ nanowires for flexible energy storage device. <i>Journal of Alloys and Compounds</i> , 2018, 744, 116-123.	2.8	78
15	Progress and perspective of high strain NBT-based lead-free piezoceramics and multilayer actuators. <i>Journal of Materiomics</i> , 2021, 7, 508-544.	2.8	76
16	Relaxor/antiferroelectric composites: a solution to achieve high energy storage performance in lead-free dielectric ceramics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5681-5691.	2.7	75
17	Largely enhanced discharge energy density in linear polymer nanocomposites by designing a sandwich structure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 121, 115-122.	3.8	73
18	Novel NaNbO $_3$ -Sr $_{0.7}$ Bi $_{0.2}$ TiO $_3$ lead-free dielectric ceramics with excellent energy storage properties. <i>Ceramics International</i> , 2021, 47, 3713-3719.	2.3	70

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19	Fine-grained BNT-based lead-free composite ceramics with high energy-storage density. <i>Ceramics International</i> , 2019, 45, 19895-19901.	2.3	68
20	Large electric field-induced strain in AgNbO ₃ -modified 0.76Bi _{0.5} Na _{0.5} TiO ₃ -0.24SrTiO ₃ lead-free piezoceramics. <i>Ceramics International</i> , 2018, 44, 7851-7857.	2.3	66
21	Droplet impact on soft viscoelastic surfaces. <i>Physical Review E</i> , 2016, 94, 063117.	0.8	65
22	Tailoring the energy storage performance of polymer nanocomposites with aspect ratio optimized 1D nanofillers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20356-20364.	5.2	63
23	Effects of CoFe ₂ O ₄ electrode microstructure on the sensing properties for mixed potential NH ₃ sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 462-466.	4.0	61
24	Large strain with low hysteresis in Bi ₄ Ti ₃ O ₁₂ modified Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 4404-4413.	2.8	61
25	High Energy Storage Performance of PMMA Nanocomposites Utilizing Hierarchically Structured Nanowires Based on Interface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27382-27391.	4.0	59
26	Superior energy-storage performance in 0.85Bi _{0.5} Na _{0.5} TiO ₃ ∗0.15NaNbO ₃ lead-free ferroelectric ceramics <i>via</i> composition and microstructure engineering. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10088-10094.	5.2	57
27	Constructing layered structures to enhance the breakdown strength and energy density of Na _{0.5} Bi _{0.5} TiO ₃ -based lead-free dielectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15292-15300.	2.7	51
28	High energy density at high temperature in PLZST antiferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4587-4594.	2.7	49
29	Effect of V ₂ O ₅ -content on electrode catalytic layer morphology and mixed potential ammonia sensor performance. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 658-663.	4.0	47
30	Improved heat transfer for pyroelectric energy harvesting applications using a thermal conductive network of aluminum nitride in PMN∗PMS∗PZT ceramics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5040-5051.	5.2	45
31	Largely enhanced ferroelectric and energy storage performances of P(VDF-CTFE) nanocomposites at a lower electric field using BaTiO ₃ nanowires by stirring hydrothermal method. <i>Ceramics International</i> , 2016, 42, 19012-19018.	2.3	43
32	Large electric-field-induced strain in B-site complex-ion (Fe _{0.5} Nb _{0.5}) ₄₊ -doped Bi _{1/2} (Na _{0.82} K _{0.12}) _{1/2} TiO ₃ lead-free piezoceramics. <i>Ceramics International</i> , 2018, 44, 3211-3217.	2.3	43
33	Waste biomass valorization through production of xylose-based porous carbon microspheres for supercapacitor applications. <i>Waste Management</i> , 2020, 105, 492-500.	3.7	41
34	Hydrothermal Synthesis and Size-Dependent Properties of Multiferroic Bismuth Ferrite Crystallites. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3842-3849.	1.9	39
35	Thermally-stable large strain in Bi(Mn _{0.5} Ti _{0.5})O ₃ modified 0.8Bi _{0.5} Na _{0.5} TiO ₃ -0.2Bi _{0.5} K _{0.5} TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 1827-1836.	2.8	39
36	Large strain under low driving field in lead-free relaxor/ferroelectric composite ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4113-4126.	1.9	39

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37	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
38	Sandwich structure-assisted significantly improved discharge energy density in linear polymer nanocomposites with high thermal stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 581, 123802.	2.3	38
39	Review of lead-free Bi-based dielectric ceramics for energy-storage applications. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 293001.	1.3	38
40	Pyroelectric and Dielectric Properties of Mn Modified $0.82\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3 \sim 0.18\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ Lead-Free Thick Films. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2147-2150.	3.5	37
41	Highly enhanced thermal stability in quenched $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -based lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4705-4711.	2.8	37
42	Structure variation and energy storage properties of acceptor-modified $\text{Pb}_{0.9}\text{La}_{0.1}\text{Zr}_{0.5}\text{Sn}_{0.5}\text{Ti}_{0.9}\text{O}_{3-\delta}$ antiferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1912-1920.	1.9	36
43	Large electrostrain in low-temperature sintered $\text{NBT}_{0.95}\text{FT}_{0.05}$ incipient piezoceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3739-3747.	1.9	36
44	Effects of sintering temperature on sensing properties of $\text{V}_2\text{O}_5\text{-WO}_3\text{-TiO}_2$ electrode for potentiometric ammonia sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 268-275.	4.0	35
45	Hexagonal boron nitride nanosheets doped pyroelectric ceramic composite for high-performance thermal energy harvesting. <i>Nano Energy</i> , 2019, 60, 144-152.	8.2	34
46	Ultrahigh energy storage density of Ca^{2+} -modified PLZST antiferroelectric ceramics prepared by the tape-casting method. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4138-4145.	2.8	33
47	High discharged energy density of nanocomposites filled with double-layered core-shell nanoparticles by reducing space charge polarization. <i>Ceramics International</i> , 2018, 44, 19330-19337.	2.3	31
48	Enhanced Dielectric Energy Storage Performance of $0.45\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3-0.55\text{Sr}_{0.7}\text{Bi}_{0.2}\text{TiO}_3/\text{AlN}$ Type Lead-Free Composite Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17652-17661.	4.0	31
49	Low temperature preparation and electrical properties of sodium-potassium bismuth titanate lead-free piezoelectric thick films by screen printing. <i>Journal of the European Ceramic Society</i> , 2010, 30, 3157-3165.	2.8	30
50	$(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3$ -based lead-free co-fired multilayer actuators with large strain and high fatigue resistance. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6147-6155.	1.9	30
51	Achieving excellent energy storage density of $\text{Pb}_{0.97}\text{La}_{0.02}(\text{Zr}_{0.05}\text{Ti}_{0.95})\text{O}_3$ ceramics by the B-site modification. <i>Journal of the European Ceramic Society</i> , 2021, 41, 360-367.	2.8	30
52	Dielectric, Ferroelectric, Pyroelectric, and Piezoelectric Properties of La-Modified Lead-Free Sodium-Potassium Bismuth Titanate Thick Films. <i>Journal of the American Ceramic Society</i> , 2010, 93, 750-757.	1.9	29
53	Significant Energy Density of Discharge and Charge-Discharge Efficiency in $\text{Ag}@$ BNN Nanofillers-Modified Heterogeneous Sandwich Structure Nanocomposites. <i>ACS Applied Energy Materials</i> , 2020, 3, 6591-6601.	2.5	29
54	Preparation and characterization of sol-gel derived sodium-potassium bismuth titanate powders and thick films deposited by screen printing. <i>Journal of Alloys and Compounds</i> , 2010, 495, 173-180.	2.8	28

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55	Piezoelectric property in morphotropic phase boundary $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ lead free thick film deposited by screen printing. Applied Physics Letters, 2008, 92, 152901.	1.5	27
56	Effect of repeated composite sol infiltrations on the dielectric and piezoelectric properties of a $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ lead free thick film. Journal of the European Ceramic Society, 2009, 29, 717-723.	2.8	27
57	Effects of sintering temperature on the NH_3 sensing properties of $\text{Mg}_2\text{Cu}_{0.25}\text{Fe}_{1.0}\text{O}_{3.75}$ electrode for YSZ-based potentiometric NH_3 sensor. Ceramics International, 2016, 42, 2214-2220.	2.3	27
58	Enhanced pyroelectric properties of lead-free BNT-xBA-xKNN ceramics for thermal energy harvesting. Journal of the American Ceramic Society, 2019, 102, 3990-3999.	1.9	27
59	Structure, dielectric, ferroelectric, and field-induced strain response properties of $(\text{Mg}_{1/3}\text{Nb}_{2/3})_{4+}$ complex-ion modified $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ lead-free ceramics. Journal of Alloys and Compounds, 2018, 743, 73-82.	2.8	26
60	Intermediate-temperature conductivity of B-site doped $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ -based lead-free ferroelectric ceramics. Ceramics International, 2016, 42, 16798-16803.	2.3	25
61	Enhanced electrical energy storage properties in La-doped $(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.93}\text{Ba}_{0.07}\text{TiO}_3$ lead-free ceramics by addition of La_2O_3 and $\text{La}(\text{NO}_3)_3$. Journal of Materials Science, 2017, 52, 10062-10072.	1.7	25
62	Piezoelectric and dielectric aging of $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ lead-free ferroelectric thick films. Journal of Applied Physics, 2010, 107, .	1.1	24
63	High energy storage performance for dielectric film capacitors by designing 1D SrTiO_3 @ SiO_2 nanofillers. Journal of Advanced Dielectrics, 2018, 08, 1850039.	1.5	24
64	Enhanced Pyroelectric and Piezoelectric Figure of Merit of Porous $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ Lead-Free Ferroelectric Thick Films. Journal of the American Ceramic Society, 2010, 93, 1957-1964.	1.9	23
65	High energy storage density of tetragonal PBLZST antiferroelectric ceramics with enhanced dielectric breakdown strength. Ceramics International, 2020, 46, 3921-3926.	2.3	23
66	The strong electrocaloric effect in molecular ferroelectric ImClO_4 with ultrahigh electrocaloric strength. Journal of Materials Chemistry A, 2020, 8, 16189-16194.	5.2	23
67	High energy density of ferroelectric polymer nanocomposites utilizing $\text{PZT}@ \text{SiO}_2$ nanocubes with morphotropic phase boundary. Chemical Engineering Journal, 2022, 434, 134659.	6.6	23
68	3D printed porous biomass-derived SiCnw/SiC composite for structure-function integrated electromagnetic absorption. Virtual and Physical Prototyping, 2022, 17, 718-733.	5.3	23
69	High remnant polarization, high dielectric constant and impedance performance of Nb/In Co-doped $\text{Bi}_{0.49}\text{La}_{0.01}\text{Na}_{0.49}\text{Li}_{0.01}\text{TiO}_3$ -ceramics. Ceramics International, 2018, 44, 6843-6850.	2.3	22
70	Low-temperature sintered $(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3$ -based incipient piezoceramics for co-fired multilayer actuator application. Journal of Materiomics, 2019, 5, 480-488.	2.8	22
71	Enhanced energy storage performance of nanocomposites filled with paraelectric ceramic nanoparticles by weakening the electric field distortion. Ceramics International, 2020, 46, 21149-21155.	2.3	21
72	Significantly improved photocatalytic activity of the $\text{SnO}_2/\text{BiFeO}_3$ heterojunction for pollutant degradation and mechanism. Ceramics International, 2022, 48, 14789-14798.	2.3	21

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73	B site doping effect on depinning in $\text{Pb}(\text{Mn}_{1/3}\text{Nb}_{1/3}\text{Sb}_{1/3})_x(\text{Zr}_{0.825}\text{Ti}_{0.175})_{1-x}\text{O}_3$ ferroelectric ceramics. <i>Applied Physics Letters</i> , 2008, 93, 192901.	1.5	20
74	SPS prepared NN-24SBT lead-free relaxor-antiferroelectric ceramics with ultrahigh energy-storage density and efficiency. <i>Scripta Materialia</i> , 2022, 210, 114428.	2.6	19
75	Improved energy storage performance of $\text{Ba}_{0.4}\text{Sr}_{0.6}\text{TiO}_3$ by doping high polarization BiFeO_3 . <i>Ceramics International</i> , 2021, 47, 14647-14654.	2.3	18
76	Enhanced Electric Field-Induced Strain Properties in Lead-Free BF-BT-Based Piezoceramics by Local Structure Inhomogeneity. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1277-1286.	3.2	17
77	Enhanced solar water-splitting performance of TiO_2 nanotube arrays by annealing and quenching. <i>Applied Surface Science</i> , 2014, 313, 633-639.	3.1	16
78	Electrical Properties of BST Thin Films Fabricated by a Modified Sol-gel Processing. <i>Integrated Ferroelectrics</i> , 2005, 70, 1-9.	0.3	15
79	Preparation of poly acrylic acid grafted-mesoporous silica as pH responsive releasing material. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2153-2158.	2.9	15
80	The effects of Cu-content on $\text{Mg}_{2-x}\text{Cu}_x\text{Fe}_{1-x}\text{O}_{3.5+x}$ electrodes for YSZ-based mixed-potential type NH_3 sensors. <i>Ceramics International</i> , 2016, 42, 9363-9370.	2.3	15
81	Mechanical force-driven growth of elongated BaTiO_3 lead-free ferroelectric nanowires. <i>Ceramics International</i> , 2017, 43, 2969-2973.	2.3	15
82	Energy storage performance of sandwich structure composites with strawberry-like $\text{Ag}@\text{SrTiO}_3$ nanofillers. <i>Chemical Engineering Journal</i> , 2022, 435, 135064.	6.6	15
83	$\text{NaNbO}_3/\text{BaTiO}_3/\text{NaSbO}_3$ lead and potassium-free ceramics with thermally stable signal piezoelectric properties. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3990-3998.	1.9	14
84	Effect of annealing temperature of a novel Sol-gel process on the electrical properties of low voltage ZnO-based ceramic films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 117, 317-320.	1.7	13
85	High pyroelectric performance due to ferroelectric-antiferroelectric transition near room temperature. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7820-7827.	2.7	13
86	Research Progress on Multilayer-Structured Polymer-Based Dielectric Nanocomposites for Energy Storage. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	12
87	Enhanced electrochemical performances with a copper/xylose-based carbon composite electrode. <i>Applied Surface Science</i> , 2018, 436, 639-645.	3.1	11
88	Highly enhanced discharged energy density and superior cyclic stability of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ -based ceramics by introducing $\text{Sr}_{0.7}\text{Ca}_{0.3}\text{TiO}_3$ component. <i>Materials Chemistry and Physics</i> , 2022, 276, 125402.	2.0	10
89	High energy storage efficiency of NBT-SBT lead-free ferroelectric ceramics. <i>Ceramics International</i> , 2022, 48, 23266-23272.	2.3	10
90	Non-180° domain contributions in $\text{Bi}_{0.5}(\text{Na}_{0.82}\text{K}_{0.18})_{0.5}\text{TiO}_3$ lead-free piezoelectric thick films. <i>Ceramics International</i> , 2015, 41, 10506-10511.	2.3	9

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91	Constrained sintering and electrical properties of BNT-BKT lead-free piezoceramic thick films. <i>Ceramics International</i> , 2016, 42, 2534-2541.	2.3	9
92	Enhanced energy storage performance of BNT-ST based ceramics under low electric field via domain engineering. <i>Ceramics International</i> , 2022, 48, 31381-31388.	2.3	9
93	Nonlinear dielectric properties of (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free piezoelectric thick films. <i>Applied Physics Letters</i> , 2011, 98, 072908.	1.5	8
94	Enhanced tetragonality and large negative thermal expansion in a new Pb/Bi-based perovskite ferroelectric of (1-x)Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (x)PbTiO ₃ -xBi(Zn _{1/2} V _{1/2})O ₃ . <i>Chemistry Frontiers</i> , 2019, 6, 1990-1995.	3.0	8
95	Phase-Field Study of Electromechanical Coupling in Lead-Free Relaxor/Ferroelectric-Layered Composites. <i>Advanced Electronic Materials</i> , 2019, 5, 1800710.	2.6	8
96	Significantly reduced hysteresis in (Fe _{1/2} Nb _{1/2}) ₄₊ -modified 0.75Na _{1/2} Bi _{1/2} TiO ₃ -0.25SrTiO ₃ lead-free piezoceramics with large strain. <i>Ceramics International</i> , 2021, 47, 17915-17920.	2.3	8
97	Realizing enhanced energy density in ternary polymer blends by intermolecular structure design. <i>Chemical Engineering Journal</i> , 2022, 446, 136980.	6.6	8
98	Preparation and enhanced electric-field-induced strain of textured 91BNT-6BT-3KNN lead-free piezoceramics by TGG method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 3076-3081.	1.1	7
99	Tailoring the strain performance of lead-free relaxor/ferroelectric-layered composites. <i>Journal of Electroceramics</i> , 2020, 44, 32-40.	0.8	7
100	Improvement of dielectric properties and energy storage performance in sandwich-structured P(VDF-CTFE) composites with low content of GO nanosheets. <i>Nanotechnology</i> , 2021, 32, 425702.	1.3	7
101	Phase/domain structure and enhanced thermal stable ferro-/pyroelectric properties of (1-x)0.94Na _{0.48} Bi _{0.44} TiO ₃ -0.06BaTiO ₃ :xZnO ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 699-705.	2.8	6
102	Control of Paste Rheology and Piezoelectric Properties of Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ Lead-Free Piezoelectric Thick Films Deposited by Screen Printing. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 658-668.	1.1	5
103	Effects of Ni addition on the response of La ₂ CuO ₄ sensing electrode for NO sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 37-43.	4.0	5
104	FABRICATION AND CHARACTERISTICS OF Pb DOPED BST FERROELECTRIC THIN FILMS FOR UNCOOLED INFRARED FOCAL PLANE ARRAYS. <i>Integrated Ferroelectrics</i> , 2006, 82, 91-99.	0.3	4
105	Composition-sensitive electrical properties of charge nonstoichiometric 0.94Bi _{0.5+x} Na _{0.5-x} TiO ₃ -0.06BaTiO ₃ ceramics. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950012.	1.5	4
106	Realizing a ferroelectric state and high pyroelectric performance in antiferroelectric-oxide composites. <i>Dalton Transactions</i> , 2020, 49, 9728-9734.	1.6	4
107	Effect of lithium carbonate on the sintering, microstructure, and functional properties of sol-gel-derived Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ piezoceramics. <i>Journal of Materials Research</i> , 2021, 36, 1105-1113.	1.2	3
108	High-energy storage and temperature stable dielectrics properties of lead-free BiScO ₃ -BaTiO ₃ (Bi _{0.5} Na _{0.5})TiO ₃ ceramics. <i>IET Nanodielectrics</i> , 2018, 1, 143-148.	2.0	2

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109	Effect of thermal treatment on microstructure and phase of partially-stabilized zirconia. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 483-486.	0.4	1
110	Low temperature sintering and microwave dielectric properties of $Zr_{0.3}(Zn_{1/3}Nb_{2/3})_{0.7}TiO_4$ ceramics doped with $CuO-B_2O_3$. Journal of Electroceramics, 2016, 36, 40-45.	0.8	1
111	Fabrication of a Copper/Carbon Composite Based on Biomass for Electrochemical Application. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2017, 96, 273-278.	0.2	1
112	Intermediate-temperature conductivity of Al^{3+} -doped $Na_{0.5}Bi_{0.49}Ti_{0.3}O_3$ lead-free oxide-ion-conductor solid electrolytes. Journal of Materials Science: Materials in Electronics, 2019, 30, 17078-17084.	1.1	1
113	Development of pH-responsive polymer-grafted mesoporous silica. Transactions of the Materials Research Society of Japan, 2013, 38, 597-601.	0.2	1
114	Giant strain and compling effects of relaxor/ferroelectric lead-free composite piezoceramics. , 2015, , .		0
115	Enhanced relaxor behavior and thermal- and frequency-insensitive strain of $(Na_{0.5}Bi_{0.5})_{0.93}Ba_{0.07}Ti_{1-x}(Mn_{1/3}Nb_{2/3})_xO_3$ ceramics. Journal of Applied Physics, 2020, 127, 194101.	1.1	0
116	Effect of lithium carbonate on the sintering, microstructure, and functional properties of sol-gel-derived $Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O_3$ piezoceramics. Journal of Materials Research, 2021, 36, 1-9.	1.2	0