Jiagang Wu

List of Publications by Year
in descending order

398 papers	19,063 citations	15503 65 h-index	19747 117 g-index
402 all docs	402 docs citations	402 times ranked	5676 citing authors

#	Article	IF	Citations
1	Potassiumâ€"Sodium Niobate Lead-Free Piezoelectric Materials: Past, Present, and Future of Phase Boundaries. Chemical Reviews, 2015, 115, 2559-2595.	47.7	1,271
2	Recent development in lead-free perovskite piezoelectric bulk materials. Progress in Materials Science, 2018, 98, 552-624.	32.8	706
3	Giant Piezoelectricity in Potassiumâ€"Sodium Niobate Lead-Free Ceramics. Journal of the American Chemical Society, 2014, 136, 2905-2910.	13.7	693
4	Superior Piezoelectric Properties in Potassiumâ€"Sodium Niobate Leadâ€Free Ceramics. Advanced Materials, 2016, 28, 8519-8523.	21.0	577
5	Multiferroic bismuth ferrite-based materials for multifunctional applications: Ceramic bulks, thin films and nanostructures. Progress in Materials Science, 2016, 84, 335-402.	32.8	478
6	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537.	30.8	386
7	Giant Piezoelectricity and High Curie Temperature in Nanostructured Alkali Niobate Lead-Free Piezoceramics through Phase Coexistence. Journal of the American Chemical Society, 2016, 138, 15459-15464.	13.7	310
8	Ultrahigh Performance in Lead-Free Piezoceramics Utilizing a Relaxor Slush Polar State with Multiphase Coexistence. Journal of the American Chemical Society, 2019, 141, 13987-13994.	13.7	296
9	Ultrahigh energy-storage potential under low electric field in bismuth sodium titanate-based perovskite ferroelectrics. Journal of Materials Chemistry A, 2018, 6, 9823-9832.	10.3	244
10	Emerging new phase boundary in potassium sodium-niobate based ceramics. Chemical Society Reviews, 2020, 49, 671-707.	38.1	229
11	Colossal permittivity in ceramics of TiO₂Co-doped with niobium and trivalent cation. Journal of Materials Chemistry A, 2015, 3, 5805-5810.	10.3	203
12	Lead-free Piezoelectrics Based on Potassiumâ€"Sodium Niobate with Giant <i>d</i>₃₃. ACS Applied Materials & Interfaces, 2013, 5, 7718-7725.	8.0	199
13	Composition and poling condition-induced electrical behavior of (Ba0.85Ca0.15)(Ti1â^'xZrx)O3 lead-free piezoelectric ceramics. Journal of the European Ceramic Society, 2012, 32, 891-898.	5.7	197
14	Practical High Piezoelectricity in Barium Titanate Ceramics Utilizing Multiphase Convergence with Broad Structural Flexibility. Journal of the American Chemical Society, 2018, 140, 15252-15260.	13.7	187
15	Role of room-temperature phase transition in the electrical properties of (Ba, Ca)(Ti, Zr)O3 ceramics. Scripta Materialia, 2011, 65, 771-774.	5.2	170
16	Effects of Kâ^•Na ratio on the phase structure and electrical properties of (KxNa0.96â^'xLi0.04)(Nb0.91Ta0.05Sb0.04)O3 lead-free ceramics. Applied Physics Letters, 2007, 91, 252907.	3.3	153
17	Defects and Aliovalent Doping Engineering in Electroceramics. Chemical Reviews, 2020, 120, 1710-1787.	47.7	151
18	Thermally stable piezoelectric properties of (K, Na)NbO3-based lead-free perovskite with rhombohedral-tetragonal coexisting phase. Acta Materialia, 2017, 122, 344-351.	7.9	150

#	Article	IF	Citations
19	Nano-domains in lead-free piezoceramics: a review. Journal of Materials Chemistry A, 2020, 8, 10026-10073.	10.3	150
20	Perovskite lead-free piezoelectric ceramics. Journal of Applied Physics, 2020, 127, .	2.5	147
21	Ferroelectric and Impedance Behavior of Laâ€•and Tiâ€Codoped BiFeO₃ Thin Films. Journal of the American Ceramic Society, 2010, 93, 2795-2803.	3.8	142
22	BiFeO3 thin films of (1 1 1)-orientation deposited on SrRuO3 buffered Pt/TiO2/SiO2/Si(1 0 0) substrates. Acta Materialia, 2010, 58, 1688-1697.	7.9	141
23	Colossal permittivity in titanium dioxide ceramics modified by tantalum and trivalent elements. Acta Materialia, 2016, 103, 243-251.	7.9	136
24	Multifunctional BaTiO₃-Based Relaxor Ferroelectrics toward Excellent Energy Storage Performance and Electrostrictive Strain Benefiting from Crossover Region. ACS Applied Materials & Interfaces, 2020, 12, 23885-23895.	8.0	127
25	Effects of Ag content on the phase structure and piezoelectric properties of (K0.44â^'xNa0.52Li0.04Agx)(Nb0.91Ta0.05Sb0.04)O3 lead-free ceramics. Applied Physics Letters, 2007, 91, 132914.	3.3	122
26	Effects of Secondary Phases on the High-Performance Colossal Permittivity in Titanium Dioxide Ceramics. ACS Applied Materials & Interfaces, 2018, 10, 3680-3688.	8.0	120
27	Compositional dependence of phase structure and electrical properties in (K0.42Na0.58)NbO3-LiSbO3 lead-free ceramics. Journal of Applied Physics, 2007, 102, 114113.	2.5	114
28	Multifunctional barium titanate ceramics via chemical modification tuning phase structure. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 1163-1190.	17.3	112
29	Giant <i>d</i>33 in (K,Na)(Nb,Sb)O3-(Bi,Na,K, Li)ZrO3 based lead-free piezoelectrics with high <i>T</i>c. Applied Physics Letters, 2013, 103, .	3.3	109
30	Composition dependence of colossal permittivity in (Sm_{0.5}Ta_{0.5})_xTi_{1â^'x}O₂ceramics. Journal of Materials Chemistry C, 2015, 3, 9206-9216.	5.5	109
31	Effect of dwell time during sintering on piezoelectric properties of (Ba0.85Ca0.15)(Ti0.90Zr0.10)O3 lead-free ceramics. Journal of Alloys and Compounds, 2011, 509, L359-L361.	5.5	107
32	Ferromagnetic, ferroelectric, and fatigue behavior of (111)-oriented BiFeO3/(Bi1/2Na1/2)TiO3 lead-free bilayered thin films. Applied Physics Letters, 2009, 94, .	3.3	106
33	Large d33 in (K,Na)(Nb,Ta,Sb)O3-(Bi,Na,K)ZrO3 lead-free ceramics. Journal of Materials Chemistry A, 2014, 2, 4122.	10.3	103
34	Ultrahigh strain in site engineering-independent Bi0.5Na0.5TiO3-based relaxor-ferroelectrics. Acta Materialia, 2018, 147, 70-77.	7.9	102
35	High strain in (K_{0.40}Na_{0.60})(Nb_{0.955}Sb_{0.045})O₃â€"Bi_{0.50}Na<sub> ceramics with large piezoelectricity. Journal of Materials Chemistry C, 2014, 2, 8796-8803.	5.5	97
36	Orientation dependence of ferroelectric behavior of BiFeO3 thin films. Journal of Applied Physics, 2009, 106, .	2.5	94

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37	Construction of new morphotropic phase boundary in 0.94(K0.4â^’xNa0.6BaxNb1â^’xZrx)O3â€“0.06LiSbO3 lead-free piezoelectric ceramics. Journal of Materials Science, 2011, 46, 6871-6876.	3.7	93
38	Enhanced energy harvesting ability of polydimethylsiloxane-BaTiO3-based flexible piezoelectric nanogenerator for tactile imitation application. Nano Energy, 2021, 83, 105809.	16.0	92
39	Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. Journal of Materials Chemistry C, 2015, 3, 8780-8787.	5.5	91
40	New Potassiumâ€“Sodium Niobate Ceramics with a Giant <i>d</i>₃₃. ACS Applied Materials & Interfaces, 2014, 6, 6177-6180.	8.0	90
41	Simultaneous enhancement of polarization and breakdown strength in lead-free BaTiO3-based ceramics. Chemical Engineering Journal, 2021, 409, 128231.	12.7	89
42	Composition-driven phase boundary and electrical properties in (Ba_{0.94}Ca_{0.06})(Ti_{1â€“x}M_x)O₃(M = Sn, Hf,) Tj ETQq0 0 0 rgBT /Overlo	3.3	88
43	Niobium and divalentâ€modified titanium dioxide ceramics: Colossal permittivity and composition design. Journal of the American Ceramic Society, 2017, 100, 3004-3012.	3.8	88
44	Potassiumâ€“sodium niobate lead-free ceramics: modified strain as well as piezoelectricity. Journal of Materials Chemistry A, 2015, 3, 1868-1874.	10.3	87
45	Perovskite BiFeO₃â€“BaTiO₃ Ferroelectrics: Engineering Properties by Domain Evolution and Thermal Depolarization Modification. Advanced Electronic Materials, 2020, 6, 2000079.	5.1	87
46	Effects of a phase engineering strategy on the strain properties in KNN-based ceramics. Journal of Materials Chemistry C, 2019, 7, 2037-2048.	5.5	86
47	Advances in Lead-Free Piezoelectric Materials. , 2018, , .		84
48	Sintering temperature-induced electrical properties of (Ba0.90Ca0.10)(Ti0.85Zr0.15)O3 lead-free ceramics. Materials Research Bulletin, 2012, 47, 1281-1284.	5.2	81
49	Multiferroic behavior and impedance spectroscopy of bilayered BiFeO3/CoFe2O4 thin films. Journal of Applied Physics, 2009, 105, .	2.5	80
50	Piezoelectric Properties of LiSbO₃-Modified (K_{0.48}Na_{0.52})NbO₃ Lead-Free Ceramics. Japanese Journal of Applied Physics, 2007, 46, 7375.	1.5	79
51	Realizing High Comprehensive Energy Storage and Ultrahigh Hardness in Lead-Free Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 28472-28483.	8.0	78
52	Effects of K content on the dielectric, piezoelectric, and ferroelectric properties of 0.95(KxNa1â^’x)NbO3â^’0.05LiSbO3 lead-free ceramics. Journal of Applied Physics, 2008, 103, .	2.5	77
53	Role of antimony in the phase structure and electrical properties of potassiumâ€“sodium niobate lead-free ceramics. RSC Advances, 2015, 5, 14575-14583.	3.6	77
54	Composition-Driven Phase Boundary and Piezoelectricity in Potassiumâ€“Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2015, 7, 20332-20341.	8.0	76

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55	CaTiO3-modified [(K0.5Na0.5)0.94Li0.06](Nb0.94Sb0.06)O3 lead-free piezoelectric ceramics with improved temperature stability. Scripta Materialia, 2008, 59, 750-752.	5.2	75
56	Defect dipole-induced poling characteristics and ferroelectricity of quenched bismuth ferrite-based ceramics. Journal of Materials Chemistry C, 2016, 4, 6140-6151.	5.5	75
57	Identification of Phase Boundaries and Electrical Properties in Ternary Potassium-Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2016, 8, 18943-18953.	8.0	75
58	Compositionally Graded KNNâ€Based Multilayer Composite with Excellent Piezoelectric Temperature Stability. Advanced Materials, 2022, 34, e2109175.	21.0	74
59	Achieving Both Giant <i>d</i>₃₃ and High <i>T</i>_C in Patassium-Sodium Niobate Ternary System. ACS Applied Materials & Interfaces, 2014, 6, 750-756.	8.0	73
60	High-performance piezoelectric-energy-harvester and self-powered mechanosensing using lead-free potassiumâ€"sodium niobate flexible piezoelectric composites. Journal of Materials Chemistry A, 2018, 6, 16439-16449.	10.3	73
61	Leakage mechanism of cation -modified BiFeO3 thin film. AIP Advances, 2011, 1, .	1.3	70
62	High piezoelectric coefficient of Pr2O3-doped Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics. Ceramics International, 2012, 38, 6359-6363.	4.8	70
63	New Leadâ€Free (1Ââ^'Â<i>x</i>)(K_{0.5}Na_{0.5})NbO₃â€"<i>x</i>(Bi_{0.5}Na_{0.5})ZrO<sub>3 Ceramics with High Piezoelectricity. Journal of the American Ceramic Society, 2014, 97, 688-690.	3.8	70
64	Effects of site engineering and doped element types on piezoelectric and dielectric properties of bismuth ferrite lead-free ceramics. Journal of Materials Chemistry C, 2015, 3, 11326-11334.	5.5	69
65	Thermal depolarization regulation by oxides selection in lead-free BNT/oxides piezoelectric composites. Acta Materialia, 2018, 158, 269-277.	7.9	69
66	Shifting the phase boundary: Potassium sodium niobate derivates. MRS Bulletin, 2018, 43, 607-611.	3.5	69
67	High-performance potassium sodium niobate piezoceramics for ultrasonic transducer. Nano Energy, 2020, 70, 104559.	16.0	68
68	Study of the relationships among the crystal structure, phase transition behavior and macroscopic properties of modified (K,Na)NbO 3 -based lead-free piezoceramics. Journal of the European Ceramic Society, 2018, 38, 2335-2343.	5.7	66
69	Effects of SrRuO3 buffer layer thickness on multiferroic (Bi0.90La0.10)(Fe0.95Mn0.05)O3 thin films. Journal of Applied Physics, 2009, 106, .	2.5	65
70	Understanding the piezoelectricity of high-performance potassium sodium niobate ceramics from diffused multi-phase coexistence and domain feature. Journal of Materials Chemistry A, 2019, 7, 16803-16811.	10.3	65
71	Migration Kinetics of Oxygen Vacancies in Mn-Modified BiFeO₃ Thin Films. ACS Applied Materials & Interfaces, 2011, 3, 2504-2511.	8.0	64
72	Potassiumâ€"sodium niobate lead-free piezoelectric ceramics: recent advances and perspectives. Journal of Materials Science: Materials in Electronics, 2015, 26, 9297-9308.	2.2	64

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73	Giant d 33 in nonstoichiometric (K,Na)NbO 3 -based lead-free ceramics. Scripta Materialia, 2015, 94, 25-27.	5.2	64
74	Competitive mechanism of temperature-dependent electrical properties in BiFeO3-BaTiO3 ferroelectrics controlled by domain evolution. Acta Materialia, 2021, 206, 116601.	7.9	64
75	Strong Piezoelectricity in (1 â€" x)(K0.4Na0.6)(Nb0.96Sb0.04)O3-xBi0.5K0.5Zr1â€"ySnyO3 Lead-Free Binary System: Identification and Role of Multiphase Coexistence. ACS Applied Materials & Interfaces, 2015, 7, 5927-5937.	8.0	63
76	Role of trivalent acceptors and pentavalent donors in colossal permittivity of titanium dioxide ceramics. Journal of Materials Chemistry C, 2019, 7, 4235-4243.	5.5	63
77	Broad-temperature-span and large electrocaloric effect in lead-free ceramics utilizing successive and metastable phase transitions. Journal of Materials Chemistry A, 2019, 7, 25526-25536.	10.3	63
78	Enhanced piezoelectricity in (1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (x)Bi_{1.05}Fe_{1â^'y}A<sub>y</su ceramics: site engineering and wide phase boundary region. Dalton Transactions, 2016, 45, 11277-11285.	3.3	62
79	Giant electrostrictive effect in lead-free barium titanate-based ceramics<i>via</i>A-site ion-pairs engineering. Journal of Materials Chemistry A, 2019, 7, 17366-17375.	10.3	61
80	Improved temperature stability of CaTiO3-modified [(K0.5Na0.5)0.96Li0.04](Nb0.91Sb0.05Ta0.04)O3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2008, 104, .	2.5	60
81	Giant electrocaloric effect in lead-free Ba0.94Ca0.06Ti1â^'<i>x</i>Sn<i>x</i>O3 ceramics with tunable Curie temperature. Applied Physics Letters, 2015, 107, .	3.3	60
82	Electrical behavior and oxygen vacancies in BiFeO3/[(Bi1/2Na1/2)0.94Ba0.06]TiO3 thin film. Applied Physics Letters, 2009, 95, .	3.3	59
83	New potassium-sodium niobate lead-free piezoceramic: Giant-<i>d</i>33 vs. sintering temperature. Journal of Applied Physics, 2014, 115, .	2.5	59
84	Compositionâ€induced phase transitions and enhanced electrical properties in bismuth sodium titanate ceramics. Journal of the American Ceramic Society, 2017, 100, 5601-5609.	3.8	59
85	A new method to improve the electrical properties of KNN-based ceramics: Tailoring phase fraction. Journal of the European Ceramic Society, 2018, 38, 85-94.	5.7	58
86	Microstructural Origins of High Piezoelectric Performance: A Pathway to Practical Leadâ€Free Materials. Advanced Functional Materials, 2019, 29, 1902911.	14.9	58
87	Large Electrocaloric Effect in (Bi_{0.5}Na_{0.5})TiO₃-Based Relaxor Ferroelectrics. ACS Applied Materials & Interfaces, 2020, 12, 33934-33940.	8.0	58
88	Synergistically optimizing electrocaloric effects and temperature span in KNN-based ceramics utilizing a relaxor multiphase boundary. Journal of Materials Chemistry C, 2020, 8, 4030-4039.	5.5	57
89	Nanoscale bubble domains with polar topologies in bulk ferroelectrics. Nature Communications, 2021, 12, 3632.	12.8	57
90	New (1â€‰â^'â€‰<i>x</i>)K0.45Na0.55Nb0.96Sb0.04O3-<i>x</i>Bi0.5Na0.5HfO3 lead-free ceramics: Phase boundary and their electrical properties. Journal of Applied Physics, 2015, 118, .	2.5	55

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91	Dielectric, ferroelectric, and piezoelectric properties in potassium sodium niobate ceramics with rhombohedralâ€“orthorhombic and orthorhombicâ€“tetragonal phase boundaries. Ceramics International, 2014, 40, 5771-5779.	4.8	54
92	Quenched bismuth ferrite-barium titanate lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2016, 676, 505-512.	5.5	54
93	A polymerâ€“metalâ€“polymerâ€“metal heterostructure for enhanced photocatalytic hydrogen production. Journal of Materials Chemistry A, 2015, 3, 109-115.	10.3	53
94	Enhanced electrocaloric effect near polymorphic phase boundary in lead-free potassium sodium niobate ceramics. Applied Physics Letters, 2017, 110, .	3.3	53
95	Good temperature stability of K0.5Na0.5NbO3 based lead-free ceramics and their applications in buzzers. Journal of the European Ceramic Society, 2008, 28, 2963-2968.	5.7	52
96	Ferroelectric Behavior in Bismuth Ferrite Thin Films of Different Thickness. ACS Applied Materials & Interfaces, 2011, 3, 3261-3263.	8.0	52
97	Enhanced d33 value of Bi0.5Na0.5TiO3â€“(Ba0.85Ca0.15)(Ti0.90Zr0.10)O3 lead-free ceramics. Journal of Alloys and Compounds, 2012, 521, 4-7.	5.5	52
98	(Ba, Ca)(Ti, Zr)O3-BiFeO3 lead-free piezoelectric ceramics. Current Applied Physics, 2012, 12, 534-538.	2.4	52
99	Giant piezoelectric effect and high strain response in (1â^ˆ'x)(K0.45Na0.55)(Nb1Sb)O3 -xBi0.5Na0.5Zr1â^ˆ'Hf O3 lead-free ceramics. Journal of the European Ceramic Society, 2016, 36, 1605-1612.	5.7	52
100	Large strain of lead-free bismuth ferrite ternary ceramics at elevated temperature. Scripta Materialia, 2018, 155, 11-15.	5.2	52
101	Superior and anti-fatigue electro-strain in Bi_{0.5}Na_{0.5}TiO₃-based polycrystalline relaxor ferroelectrics. Journal of Materials Chemistry A, 2019, 7, 5391-5401.	10.3	52
102	A new concept to enhance piezoelectricity and temperature stability in KNN ceramics. Chemical Engineering Journal, 2020, 402, 126215.	12.7	52
103	Site engineering and polarization characteristics in (Ba1â^ˆ'<i>y</i>Ca<i>y</i>)(Ti1â^ˆ'<i>x</i>Hf<i>x</i>)O3 lead-free ceramics. Journal of Applied Physics, 2016, 119, .	2.5	51
104	Enhanced energy storage properties of {Bi0.5[(Na0.8K0.2)1-Li]0.5}0.96Sr0.04(Ti1--Ta Nb)O3 lead-free ceramics. Ceramics International, 2017, 43, 13541-13546.	4.8	51
105	Phase Structure and Electrical Properties of (K_{0.48}Na_{0.52})(Nb_{0.95}Ta_{0.05})O₃â€LiSbO₃ Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 319-321.	3.8	50
106	Mediating the Contradiction of <i>d</i>₃₃ and <i>T</i>_C in Potassiumâ€“Sodium Niobate Lead-Free Piezoceramics. ACS Applied Materials & Interfaces, 2013, 5, 10409-10417.	8.0	50
107	Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. Journal of Materials Chemistry A, 2018, 6, 23736-23745.	10.3	50
108	Perovskite Na_{0.5}Bi_{0.5}TiO₃: a potential family of peculiar lead-free electrostrictors. Journal of Materials Chemistry A, 2019, 7, 13658-13670.	10.3	50

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109	A Method to Improve Electrical Properties of BiFeO₃ Thin Films. ACS Applied Materials & Interfaces, 2012, 4, 1182-1185.	8.0	49
110	Enhanced piezoelectric properties in potassium-sodium niobate-based ternary ceramics. Materials and Design, 2016, 109, 609-614.	7.0	49
111	Phase structure and enhanced piezoelectric properties in (1-x)(K0.48Na0.52)(Nb0.95Sb0.05)O3-x(Bi0.5Na0.42Li0.08)0.9Sr0.1ZrO3 lead-free piezoelectric ceramics. Ceramics International, 2017, 43, 2100-2106.	4.8	49
112	Bi nonstoichiometry and composition engineering in (1 â^’ x)Bi_{1+y}FeO_{3+3y/2}â^’ xBaTiO₃ceramics. RSC Advances, 2016, 6, 90831-90839.	3.6	48
113	Improved ferroelectric behavior in (110) oriented BiFeO3 thin films. Journal of Applied Physics, 2010, 107, 034103.	2.5	47
114	Diodelike and resistive hysteresis behavior of heterolayered BiFeO3/ZnO ferroelectric thin films. Journal of Applied Physics, 2010, 108, .	2.5	46
115	Rhombohedralâ€"orthorhombic phase coexistence and electrical properties of Ta and BaZrO3 co-modified (K, Na)NbO3 lead-free ceramics. Current Applied Physics, 2013, 13, 1647-1650.	2.4	46
116	A giant polarization value of Zn and Mn co-modified bismuth ferrite thin films. Applied Physics Letters, 2013, 102, .	3.3	46
117	Phase structure and piezoelectric properties of (1â^’<i>x</i>)K0.48Na0.52Nb0.95Sb0.05O3-<i>x</i>(Bi0.5Na0.5)0.9(Li0.5Ce0.5)0.1ZrO3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2016, 119, .	2.5	46
118	High piezoelectricity in (K,Na)(Nb,Sb)O3â€"(Bi,La,Na,Li)ZrO3 lead-free ceramics. Journal of Materials Science, 2016, 51, 4963-4972.	3.7	46
119	Lead-free rare earth-modified BiFeO3 ceramics: Phase structure and electrical properties. Materials and Design, 2017, 120, 83-89.	7.0	46
120	Large electrocaloric strength and broad electrocaloric temperature span in lead-free Ba_{0.85}Ca_{0.15}Ti_{1â^’x}Hf_xO₃ceramics. RSC Advances, 2017, 7, 5813-5820.	3.6	46
121	Phase transitions and electrical behavior of lead-free (K0.50Na0.50)NbO3 thin film. Journal of Applied Physics, 2009, 106, .	2.5	45
122	Superior Electrostrictive Effect in Relaxor Potassium Sodium Niobate Based Ferroelectrics. ACS Applied Materials & Interfaces, 2020, 12, 25050-25057.	8.0	45
123	(1 â^’) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (x)(K_{0.48}Na_{0.52})(Nb_{0.95â^’yâ^’z}Ta lead-free ceramics: composition dependence of the phase boundaries and electrical properties. Dalton Transactions, 2015, 44, 4440-4448.	3.3	44
124	Enhanced piezoelectric activity in high-temperature Bi_{1â^’xâ^’y}Sm_xLa_yFeO₃ lead-free ceramics. Journal of Materials Chemistry C, 2015, 3, 3684-3693.	5.5	44
125	New potassiumâ€"sodium niobate material system: a giant-d₃₃and high-T_Clead-free piezoelectric. Dalton Transactions, 2014, 43, 11759.	3.3	43
126	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. Journal of Materials Chemistry C, 2018, 6, 456-463.	5.5	43

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127	Enhancing temperature stability in potassium-sodium niobate ceramics through phase boundary and composition design. Journal of the European Ceramic Society, 2019, 39, 305-315.	5.7	43
128	ZnO as a buffer layer for growth of BiFeO3 thin films. Journal of Applied Physics, 2010, 108, .	2.5	42
129	Compositional dependence of phase structure and electrical properties in (K0.50Na0.50)0.97Bi0.01(Nb1âˆ’xZrx)O3 lead-free ceramics. Ceramics International, 2013, 39, 8021-8024.	4.8	42
130	Enhanced d33 value in (1âˆ’x)[(K0.50Na0.50)0.97Li0.03Nb0.97Sb0.03O3]âˆ’xBaZrO3 lead-free ceramics with an orthorhombicâ€“rhombohedral phase boundary. Journal of Alloys and Compounds, 2013, 581, 446-451.	5.5	41
131	Enhanced thermal stability of (NaCe)â€multidoped CaBi₂Nb₂O₉ by Aâ€site vacanciesâ€induced pseudoâ€tetragonal distortion. Journal of the American Ceramic Society, 2018, 101, 4615-4626.	3.8	41
132	A realization of excellent piezoelectricity and good thermal stability in CaBi₂Nb₂O₉: Pseudo phase boundary. Journal of the American Ceramic Society, 2019, 102, 1794-1804.	3.8	41
133	Characteristics of giant piezoelectricity around the rhombohedral-tetragonal phase boundary in (K,Na)NbO₃-based ceramics with different additives. Journal of Materials Chemistry A, 2015, 3, 15951-15961.	10.3	40
134	Mesoscale origin of dielectric relaxation with superior electrostrictive strain in bismuth ferrite-based ceramics. Materials Horizons, 2020, 7, 3011-3020.	12.2	39
135	Polymorphic phase transition-induced electrical behavior of BiCoO3-modified (K0.48Na0.52)NbO3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2011, 509, L284-L288.	5.5	38
136	Impedance spectroscopy of bilayered bismuth ferrite thin films. Journal of Applied Physics, 2011, 110, .	2.5	38
137	Modification of both d₃₃ and T_C in a potassiumâ€“sodium niobate ternary system. Dalton Transactions, 2015, 44, 21141-21152.	3.3	38
138	Improved temperature stability and high piezoelectricity in lead-free barium titanate-based ceramics. Journal of the European Ceramic Society, 2018, 38, 5411-5419.	5.7	38
139	KNNS-BNZH Lead-Free 1â€“3 Piezoelectric Composite for Ultrasonic and Photoacoustic Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1395-1401.	3.0	38
140	Enhanced piezoelectricity and temperature stability in LaFeO₃â€modified KNNâ€based leadâ€free ceramics. Journal of the American Ceramic Society, 2019, 102, 6126-6136.	3.8	38
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