Jiagang Wu

List of Publications by Year in descending order

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398	19,063	15504 65	19749 117
papers	citations	h-index	g-index

402	402	402	5676
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into the Correlation between Tetragonal Phase and Temperature Stability of Potassium Sodium Niobate Based Ceramics from Domain Behaviors. Advanced Electronic Materials, 2022, 8, 2100257.	5.1	7
2	Enhanced strain and electrostrictive properties in lead-free BNT-based ceramics via rare earth doping. Journal of Materiomics, 2022, 8, 401-407.	5.7	11
3	Multiple property enhancement in bismuth ferriteâ€based ferroelectrics by balancing nanodomain and relaxor state. Journal of the American Ceramic Society, 2022, 105, 1241-1252.	3.8	12
4	Temperatureâ€independent large strain with small hysteresis in Sbâ€modified BNTâ€based leadâ€free ceramics. Journal of the American Ceramic Society, 2022, 105, 2116-2127.	3.8	10
5	Compositionally Graded KNNâ€Based Multilayer Composite with Excellent Piezoelectric Temperature Stability. Advanced Materials, 2022, 34, e2109175.	21.0	74
6	Tailoring depolarization temperature by phase transition causing properties evolution in Bi0.5(Na1-K) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	10.7	13
7	Low-temperature dielectric relaxation associated with NbO6 octahedron distortion in antimony modified potassium sodium niobate ceramics. Journal of Materials Science and Technology, 2022, 115, 189-198.	10.7	14
8	Understanding the enhanced electrocaloric effect in BaTiO3-based ferroelectrics at critical state. Acta Materialia, 2022, 227, 117735.	7.9	16
9	Large electrocaloric effect under electric field behavior in potassium sodium niobate ceramics with incompletely overlapped phase boundaries. Journal of Materials Chemistry A, 2022, 10, 5262-5272.	10.3	13
10	Multiscale Structure Engineering for High-Performance Pb-Free Piezoceramics. Accounts of Materials Research, 2022, 3, 461-471.	11.7	29
11	Constructing Relaxor/Ferroelectric Pseudocomposite To Reveal the Domain Role in Electrostrain of Bismuth Ferriteâ€“Barium Titanate Based Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 18713-18722.	8.0	8
12	Tuning the electrocaloric effect by tailoring phase fraction in BaTiO3-based ferroelectrics. Journal of the European Ceramic Society, 2022, 42, 5172-5178.	5.7	8
13	Origin of large piezoelectricity in BF-BT based multiphase ferroelectrics. Ceramics International, 2022, 48, 23808-23813.	4.8	5
14	Modulating polarization rotation to stimulate the high piezocatalytic activity of (K, Na)NbO3 lead-free piezoelectric materials. Applied Catalysis B: Environmental, 2022, 313, 121471.	20.2	30
15	Excellent fatigue resistance in Sb nonstoichiometric KNN-based ceramics by engineering relaxor multiphase state. Journal of the European Ceramic Society, 2022, 42, 4888-4897.	5.7	11
16	Ultra-slim electrostrains with superior temperature-stability in lead-free sodium niobate-based ferroelectric perovskite. Journal of Materiomics, 2022, 8, 1230-1238.	5.7	6
17	Electric-Field-Insensitive Temperature Stability of Strain in KNN Multilayer Composite Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 26949-26957.	8.0	8
18	An exploration for new strategy: Achieving both excellent temperature stability and good electrostrain in BiFeO3â€“BaTiO3-based relaxor ferroelectrics by domain engineering. Materials Today Physics, 2022, 27, 100747.	6.0	2

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19	Achieving superior energy-storage efficiency by tailoring the state of polar nano-sized regions under low electric fields. Chemical Engineering Journal, 2022, 447, 137494.	12.7	27
20	Coupling effects of the A-site ions on high-performance potassium sodium niobate ceramics. Journal of Materials Science and Technology, 2022, 130, 198-207.	10.7	13
21	A KNN composite-based piezoelectric helix for ultrasonic transcutaneous energy harvesting. Applied Physics Letters, 2022, 120, .	3.3	6
22	Potassium Sodium Niobate-Based Lead-Free High-Frequency Ultrasonic Transducers for Multifunctional Acoustic Tweezers. ACS Applied Materials & Interfaces, 2022, 14, 30979-30990.	8.0	10
23	(1-x)[0.90NN-0.10Bi(Mg2/3Nb1/3)O3]-x(Bi0.5Na0.5)0.7Sr0.3TiO3 ceramics with coreâ€“shell structures: A pathway for simultaneously achieving high polarization and breakdown strength. Nano Energy, 2022, 101, 107577.	16.0	33
24	Relaxor behavior of potassium sodium niobate ceramics by domain evolution. Journal of the European Ceramic Society, 2021, 41, 335-343.	5.7	13
25	Defect-induced superior piezoelectric response in perovskite KNbO3. Journal of the European Ceramic Society, 2021, 41, 2506-2513.	5.7	13
26	Large electrostrictive coefficient with high electroâ€strain dominated by modified ergodic state in BNTâ€based solid solutions. Journal of the American Ceramic Society, 2021, 104, 1391-1401.	3.8	24
27	Large electrocaloric response with superior temperature stability in NaNbO₃-based relaxor ferroelectrics benefiting from the crossover region. Journal of Materials Chemistry A, 2021, 9, 2806-2814.	10.3	32
28	Enhanced electrocaloric effect in compositional driven potassium sodium niobateâ€based relaxor ferroelectrics. Journal of Materials Research, 2021, 36, 1142-1152.	2.6	14
29	Symmetry of the Underlying Lattice in (K,Na)NbO₃-Based Relaxor Ferroelectrics with Large Electromechanical Response. ACS Applied Materials & Interfaces, 2021, 13, 7461-7469.	8.0	30
30	Competitive mechanism of temperature-dependent electrical properties in BiFeO3-BaTiO3 ferroelectrics controlled by domain evolution. Acta Materialia, 2021, 206, 116601.	7.9	64
31	Simultaneous enhancement of polarization and breakdown strength in lead-free BaTiO3-based ceramics. Chemical Engineering Journal, 2021, 409, 128231.	12.7	89
32	HighlyÂTunable Multifunctional BaTiO3-Based Ferroelectrics via Site Selective Doping Strategy. Acta Materialia, 2021, 209, 116792.	7.9	33
33	Enhanced energy harvesting ability of polydimethylsiloxane-BaTiO3-based flexible piezoelectric nanogenerator for tactile imitation application. Nano Energy, 2021, 83, 105809.	16.0	92
34	Nanoscale bubble domains with polar topologies in bulk ferroelectrics. Nature Communications, 2021, 12, 3632.	12.8	57
35	Realizing High Comprehensive Energy Storage and Ultrahigh Hardness in Lead-Free Ceramics. ACS Applied Materials & Interfaces, 2021, 13, 28472-28483.	8.0	78
36	A new class of ion substitution to achieve high electrostrain under low electric field in BNTâ€based ceramics. Journal of the American Ceramic Society, 2021, 104, 6277-6289.	3.8	15

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37	Decoding Thermal Depolarization Temperature in Bismuth Ferriteâ€“Barium Titanate Relaxor Ferroelectrics with Large Strain Response. ACS Applied Materials & Interfaces, 2021, 13, 37422-37432.	8.0	13
38	Polyporous PVDF/TiO₂ photocatalytic composites for photocatalyst fixation, recycle, and repair. Journal of the American Ceramic Society, 2021, 104, 6290-6298.	3.8	8
39	Optimized strain properties with small hysteresis in BNT-based ceramics with ergodic relaxor state. Journal of the European Ceramic Society, 2021, 41, 5147-5154.	5.7	36
40	One simple approach, two remarkable enhancements: Manipulating defect dipoles and local stress of (K, Na)NbO3-based ceramics. Acta Materialia, 2021, 221, 117351.	7.9	14
41	Manipulating temperature stability in KNN-based ceramics via defect design. Acta Materialia, 2021, 218, 117229.	7.9	15
42	Electrocaloric refrigeration capacity in BNT-based ferroelectrics benefiting from low depolarization temperature and high breakdown electric field. Journal of Materials Chemistry A, 2021, 9, 12772-12781.	10.3	11
43	Decoding the relationship between the electrocaloric strength and phase structure in perovskite ferroelectrics towards high performance. Journal of Materials Chemistry C, 2021, 9, 2063-2072.	5.5	11
44	Enhanced electrocaloric effect in compositional driven potassium sodium niobate-based relaxor ferroelectrics. Journal of Materials Research, 2021, 36, 1-11.	2.6	0
45	Feasible Way to Achieve Multifunctional (K, Na)NbO₃-Based Ceramics: Controlling Long-Range Ferroelectric Ordering. ACS Applied Materials & Interfaces, 2021, 13, 60227-60240.	8.0	9
46	Electric field compensation effect driven strain temperature stability enhancement in potassium sodium niobate ceramics. Acta Materialia, 2020, 182, 1-9.	7.9	27
47	Defect engineering electrical properties of leadâ€free potassium sodium niobateâ€based ceramics. Journal of the American Ceramic Society, 2020, 103, 444-453.	3.8	15
48	BNTâ€based ferroelectric ceramics: Electrical properties modification by Ta₂O₅ oxide addition. Journal of the American Ceramic Society, 2020, 103, 412-422.	3.8	32
49	Domainâ€scale imaging to dispel the clouds over the thermal depolarization of Bi_{0.5}Na_{0.5}TiO₃â€based relaxor ferroelectrics. Journal of the American Ceramic Society, 2020, 103, 1881-1890.	3.8	24
50	Decoding the Role of Diffused Multiphase Coexistence in Potassium Sodium Niobate-Based Ceramics with Nanodomains for Enhanced Piezoelectric Devices. ACS Applied Nano Materials, 2020, 3, 953-961.	5.0	18
51	Full characterization for material constants of a promising KNN-based lead-free piezoelectric ceramic. Ceramics International, 2020, 46, 5641-5644.	4.8	33
52	Influence of different lanthanide ions on the structure and properties of potassium sodium niobate based ceramics. Scripta Materialia, 2020, 177, 186-191.	5.2	25
53	Emerging new phase boundary in potassium sodium-niobate based ceramics. Chemical Society Reviews, 2020, 49, 671-707.	38.1	229
54	Secondâ€orderâ€transition like characteristic contributes to strain temperature stability in (K, Na)NbO 3 â€based materials. Journal of the American Ceramic Society, 2020, 103, 2509-2519.	3.8	3

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55	High-performance KNN-based ceramics: inter-granular coupling effect. Journal of Materials Science: Materials in Electronics, 2020, 31, 1065-1071.	2.2	1
56	Defects and Aliovalent Doping Engineering in Electroceramics. Chemical Reviews, 2020, 120, 1710-1787.	47.7	151
57	New Role of Relaxor Multiphase Coexistence in Potassium Sodium Niobate Ceramics: Reduced Electric Field Dependence of Strain Temperature Stability. ACS Applied Materials & Interfaces, 2020, 12, 49822-49829.	8.0	11
58	High-performance potassium sodium niobate piezoceramics for ultrasonic transducer. Nano Energy, 2020, 70, 104559.	16.0	68
59	A Bright New World of Ferroelectrics: Magic of Spontaneous Polarization. ACS Applied Materials & Interfaces, 2020, 12, 52231-52233.	8.0	6
60	Synergetic Contributions in Phase Boundary Engineering to the Piezoelectricity of Potassium Sodium Niobate Lead-Free Piezoceramics. ACS Applied Materials & Interfaces, 2020, 12, 39455-39461.	8.0	24
61	The Role of Adding Bi0.5A0.5ZrO3 in Affecting Orthorhombic-Tetragonal Phase Transition Temperature and Electrical Properties in Potassium Sodium Niobate Ceramics. Acta Materialia, 2020, 197, 224-234.	7.9	25
62	Multifunctional barium titanate ceramics via chemical modification tuning phase structure. InformaÄ•nÃ-MateriÃ¡ly, 2020, 2, 1163-1190.	17.3	112
63	Tuning the Covalency of Aâ€“O Bonds to Improve the Performance of KNN-Based Ceramics with Multiphase Coexistence. ACS Applied Materials & Interfaces, 2020, 12, 49795-49804.	8.0	17
64	Mesoscale origin of dielectric relaxation with superior electrostrictive strain in bismuth ferrite-based ceramics. Materials Horizons, 2020, 7, 3011-3020.	12.2	39
65	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
66	Enhanced piezoelectric properties in 0.96(K0.48Na0.52)(Nb1â^'xTax)O3â€“0.04(Bi0.5Ag0.5)ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 9525-9534.	2.2	8
67	Perovskite lead-free piezoelectric ceramics. Journal of Applied Physics, 2020, 127, .	2.5	147
68	Understanding the Nature of Temperature Stability in Potassium Sodium Niobate Based Ceramics from Structure Evolution under External Field. ACS Applied Materials & Interfaces, 2020, 12, 32925-32934.	8.0	29
69	Perovskite BiFeO₃â€“BaTiO₃ Ferroelectrics: Engineering Properties by Domain Evolution and Thermal Depolarization Modification. Advanced Electronic Materials, 2020, 6, 2000079.	5.1	87
70	Advances in tuning the â€œd₃₃ â^•1/T_dâ€•bottleneck: simultaneously realizing large d₃₃ and high T_d in Bi_{0.5}Na_{0.5}TiO₃-based relaxor ferroelectrics. Journal of Materials Chemistry A, 2020, 8, 9209-9217.	10.3	29
71	Effects of rare-earth dopants on phase structure and electrical properties of lead-free bismuth sodium titanate-based ceramics. Journal of Materiomics, 2020, 6, 286-292.	5.7	29
72	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

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73	A new concept to enhance piezoelectricity and temperature stability in KNN ceramics. Chemical Engineering Journal, 2020, 402, 126215.	12.7	52
74	(Bi0.5Na0.5)TiO3 ferroelectric ceramics: Achieving high depolarization temperature and improved piezoelectric properties. Journal of the European Ceramic Society, 2020, 40, 5392-5401.	5.7	19
75	Defect dynamics mediated unusual field-cycling behavior in bismuth ferrite-based ceramics. Scripta Materialia, 2020, 187, 418-423.	5.2	9
76	Reduced degree of phase coexistence in KNN-Based ceramics by competing additives. Journal of the European Ceramic Society, 2020, 40, 2945-2953.	5.7	19
77	Lead-Free (K,Na)NbO₃-Based Materials: Preparation Techniques and Piezoelectricity. ACS Omega, 2020, 5, 3099-3107.	3.5	37
78	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
79	Defect-driven conductivity behavior in lead-free KNN-based ceramics. Journal of Applied Physics, 2020, 127, .	2.5	21
80	Poling temperatureâ€insensitive piezoelectric constant of highâ€performance potassium sodium niobate piezoceramics. Journal of the American Ceramic Society, 2020, 103, 4402-4410.	3.8	12
81	Nano-domains in lead-free piezoceramics: a review. Journal of Materials Chemistry A, 2020, 8, 10026-10073.	10.3	150
82	Potassium sodium niobate based lead-free ceramic for high-frequency ultrasound transducer applications. Journal of Materiomics, 2020, 6, 513-522.	5.7	18
83	Superior Electrostrictive Effect in Relaxor Potassium Sodium Niobate Based Ferroelectrics. ACS Applied Materials & Interfaces, 2020, 12, 25050-25057.	8.0	45
84	Diffused and successive phase transitions of (K, Na)NbO₃â€based ceramics with high strain and temperature insensitivity. Journal of the American Ceramic Society, 2019, 102, 2648-2657.	3.8	25
85	Electrocaloric behavior and piezoelectric effect in relaxor NaNbO₃â€based ceramics. Journal of the American Ceramic Society, 2019, 102, 2578-2586.	3.8	16
86	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
87	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
88	Polymorphic characteristics challenging electrical properties in lead-free piezoceramics. Dalton Transactions, 2019, 48, 11250-11258.	3.3	21
89	Potassium sodium niobate ceramics with broad phase transition range: Temperature-insensitive strain. Ceramics International, 2019, 45, 24827-24834.	4.8	4
90	Structure and domain wall dynamics in lead-free KNN-based ceramics. Journal of Applied Physics, 2019, 126, .	2.5	20

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91	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
92	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
93	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
94	Giant electrostrictive effect in lead-free barium titanate-based ceramicsviaA-site ion-pairs engineering. Journal of Materials Chemistry A, 2019, 7, 17366-17375.	10.3	61
95	Microstructural Origins of High Piezoelectric Performance: A Pathway to Practical Leadâ€Free Materials. Advanced Functional Materials, 2019, 29, 1902911.	14.9	58
96	Rare earth element boosting temperature stability of (K,Na)NbO3-based ceramics. Journal of Alloys and Compounds, 2019, 795, 401-407.	5.5	19
97	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
98	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
99	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
100	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
101	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
102	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
103	Rietveld Analysis and Electrical Properties of BiInO₃ Doped KNN-Based Ceramics. Inorganic Chemistry, 2019, 58, 428-438.	4.0	25
104	and Nanotechnology, 2019, 19, 231-234.	0.9	0
105	Enhanced electrical properties and temperature stability of ZnF₂-modified (K,Na)NbO₃-based ceramics. Journal of Applied Physics, 2019, 125, 082526.	2.5	20
106	Compositionâ€driven broad phase boundary for optimizing properties and stability in leadâ€free barium titanate ceramics. Journal of the American Ceramic Society, 2019, 102, 3477-3487.	3.8	13
107	Structure and property of lead-free (K,Na)NbO3â€“(Bi1/2Na1/2)ZrO3â€“CaTiO3 piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 1663-1669.	2.2	10
108	Temperature stability and electrical properties in Laâ€doped <scp>KNN</scp>â€based ceramics. Journal of the American Ceramic Society, 2018, 101, 4084-4094.	3.8	37

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109	Ultrahigh strain in site engineering-independent Bi0.5Na0.5TiO3-based relaxor-ferroelectrics. Acta Materialia, 2018, 147, 70-77.	7.9	102
110	Modulation of electrostriction and strain response in bismuth sodium titanateâ€based ceramics. Journal of the American Ceramic Society, 2018, 101, 3005-3014.	3.8	13
111	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. Journal of Materials Chemistry C, 2018, 6, 456-463.	5.5	43
112	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
113	Sintering behavior, phase structure and electric properties of KNNTS-BKNZ ceramics with excessive alkali metals. Journal of Materials Science: Materials in Electronics, 2018, 29, 5337-5348.	2.2	7
114	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
115	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
116	Tailored electrical properties in ternary BiScO3-PbTiO3 ceramics by composition modification. Ceramics International, 2018, 44, 8057-8063.	4.8	9
117	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
118	Microstructure and electrical properties of (1-x)K0.5Na0.5NbO3â€“xBi0.5Na0.5Zr0.85Sn0.15O3 lead-free ceramics. Journal of Alloys and Compounds, 2018, 730, 311-317.	5.5	29
119	Structural evolution of the Râ€T phase boundary in <scp>KNN</scp>â€based ceramics. Journal of the American Ceramic Society, 2018, 101, 1191-1200.	3.8	25
120	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
121	Properties and structures of nonstoichiometric (K, Na)NbO₃â€based leadâ€free ceramics. Journal of the American Ceramic Society, 2018, 101, 1632-1645.	3.8	32
122	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
123	Excellent electrostrictive coefficient in bismuth sodium titanate-based ceramics via regulating degree of diffuseness and phase composition. Journal of Applied Physics, 2018, 124, .	2.5	14
124	The Atomic Circus: Small Electron Beams Spotlight Advanced Materials Down to the Atomic Scale. Advanced Materials, 2018, 30, e1802402.	21.0	27
125	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
126	Giant Electrostrictive Responses and Temperature Insensitive Strain in Barium Titanateâ€Based Ceramics. Advanced Electronic Materials, 2018, 4, 1800075.	5.1	21

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127	Comprehensive investigation of structural and electrical properties of (Bi, Na) CoZrO 3 -doped KNN ceramics. Journal of Alloys and Compounds, 2018, 758, 14-24.	5.5	21
128	Enhanced temperature stability in the Râ€“T phase boundary with dominating intrinsic contribution. Physical Chemistry Chemical Physics, 2018, 20, 20149-20159.	2.8	31
129	Large strain of lead-free bismuth ferrite ternary ceramics at elevated temperature. Scripta Materialia, 2018, 155, 11-15.	5.2	52
130	Recent development in lead-free perovskite piezoelectric bulk materials. Progress in Materials Science, 2018, 98, 552-624.	32.8	706
131	An Alternative Way To Enhance Piezoelectricity and Temperature Stability in Lead-Free Sodium Niobate Piezoceramics. Inorganic Chemistry, 2018, 57, 10383-10389.	4.0	7
132	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
133	Thermal depolarization regulation by oxides selection in lead-free BNT/oxides piezoelectric composites. Acta Materialia, 2018, 158, 269-277.	7.9	69
134	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
135	Reduced dielectric loss and high piezoelectric constant in Ce and Mn co-doped BiScO3-PbCe Ti1-O3-Bi(Zn0.5Ti0.5)O3 ceramics. Ceramics International, 2018, 44, 16483-16488.	4.8	14
136	Modifying Temperature Stability of (K,Na)NbO₃ Ceramics through Phase Boundary. Advanced Electronic Materials, 2018, 4, 1800205.	5.1	29
137	Low leakage current resistive memory based on Bi_{1.10} (Fe_{0.95}Mn_{0.05}) O₃ films. Semiconductor Science and Technology, 2018, 33, 095002.	2.0	3
138	Progress on the doping and phase boundary design of potassiumâ€“sodium niobate lead-free ceramics. Journal of Advanced Dielectrics, 2018, 08, 1830003.	2.4	30
139	High-performance potassium sodium niobate-based lead-free materials without antimony. Journal of Materials Science: Materials in Electronics, 2018, 29, 14487-14494.	2.2	2
140	Bi0.5Na0.5TiO3-Based Piezoelectric Materials. , 2018, , 191-245.		5
141	BaTiO3-Based Piezoelectric Materials. , 2018, , 247-299.		3
142	Bismuth Ferrite-Based Piezoelectric Materials. , 2018, , 301-378.		4
143	Application of Lead-Free Piezoelectric Materials. , 2018, , 463-522.		2
144	Preparation and Characterization. , 2018, , 41-108.		9

#	Article	IF	Citations
145	Recent Development of Lead-Free Piezoelectrics. , 2018, , 397-461.		0
146	Alkali Niobate-Based Piezoelectric Materials. , 2018, , 109-189.		0
147	Reduced dielectric loss in new colossal permittivity (Pr, Nb)TiO₂ ceramics by suppressing adverse effects of secondary phases. Physical Chemistry Chemical Physics, 2018, 20, 21814-21821.	2.8	33
148	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. ACS Applied Materials & Interfaces, 2018, 10, 30566-30573.	8.0	31
149	Phase structure, electrical properties, and component stability in (1â€‰â^'â€‰x)K0.40Na0.60Nb0.96Sb0.04O3â€“x(Bi0.92Nd0.08)0.5Na0.5ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 17209-17216.	2.2	6
150	Shifting the phase boundary: Potassium sodium niobate derivates. MRS Bulletin, 2018, 43, 607-611.	3.5	69
151	Temperatureâ€insensitive piezoelectricity in leadâ€free NaNbO₃â€based ceramics. Journal of the American Ceramic Society, 2018, 101, 5596-5603.	3.8	15
152	Advances in Lead-Free Piezoelectric Materials. , 2018, , .		84
153	New poling method for piezoelectric ceramics. Journal of Materials Chemistry C, 2017, 5, 1601-1606.	5.5	37
154	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. Energy and Environmental Science, 2017, 10, 528-537.	30.8	386
155	Novel titanium dioxide ceramics containing bismuth and antimony. Journal of Materiomics, 2017, 3, 112-120.	5.7	24
156	Lead-free rare earth-modified BiFeO3 ceramics: Phase structure and electrical properties. Materials and Design, 2017, 120, 83-89.	7.0	46
157	Phase transition and piezoelectric properties of Nd3+ doped nonstoichiometric (K,Na)NbO3-based lead free ceramics. Applied Physics Letters, 2017, 110, .	3.3	22
158	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
159	Enhanced electrocaloric effect near polymorphic phase boundary in lead-free potassium sodium niobate ceramics. Applied Physics Letters, 2017, 110, .	3.3	53
160	Investigation of new lead free (1â^'x)KNNSâ€“xBKZH piezo-ceramics with Râ€“Oâ€“T phase boundary. Journal of Materials Science: Materials in Electronics, 2017, 28, 8803-8809.	2.2	17
161	Effects of oxide additives on structure and properties of bismuth ferrite-based ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 11534-11542.	2.2	26
162	Composition dependence of electrical properties in (1Ââ^'Âx)KNbO3â€“xNaNbO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 4828-4838.	2.2	8

#	Article	IF	Citations
163	Composition design and electrical properties in BiFeO3â€“BaTiO3â€“Bi(Zn0.5Ti0.5)O3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 13076-13083.	2.2	22
164	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
165	Modulating the electric and magnetic properties of BiFeO3 ceramics. Materials and Design, 2017, 125, 213-221.	7.0	17
166	Enhanced electrical properties and good thermal stability in K0.48Na0.52NbO3â€“LiNbO3â€“BiAlO3 lead-free piezoceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 8500-8509.	2.2	11
167	The piezoelectric and dielectric properties of sodiumâ€“potassium niobate ceramics with new multiphase boundary. Journal of Materials Science: Materials in Electronics, 2017, 28, 18090-18098.	2.2	16
168	Large strain and strain memory effect in bismuth ferrite lead-free ceramics. Journal of Materials Chemistry C, 2017, 5, 9528-9533.	5.5	32
169	Investigation of phase structure, microstructure, and electrical properties of LaAlO3-modified alkali niobate lead-free perovskite. Journal of Materials Science: Materials in Electronics, 2017, 28, 17761-17771.	2.2	3
170	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
171	Optimization of energy storage density in relaxor (K, Na, Bi)NbO3 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 16199-16204.	2.2	37
172	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
173	Multiphase coexistence and enhanced electrical properties in (1-x-y)BaTiO3-xCaTiO3-yBaZrO3 lead-free ceramics. Ceramics International, 2017, 43, 13516-13523.	4.8	22
174	Effect of Hf and Li on the structure and electrical properties of Bi0.5Na0.5TiO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 16948-16954.	2.2	5
175	Electric field-induced phase transitions and composition-driven nanodomains in rhombohedral-tetragonal potassium-sodium niobate-based ceramics. Acta Materialia, 2017, 140, 79-86.	7.9	36
176	Novel rhombohedral and tetragonal phase boundary with high T C in alkali niobate ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 12851-12857.	2.2	8
177	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
178	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
179	Site engineering and polarization characteristics in (Ba1â^'yCay)(Ti1â^'xHfx)O3 lead-free ceramics. Journal of Applied Physics, 2016, 119, .	2.5	51
180	Phase structure and piezoelectric properties of (1â^'x)K0.48Na0.52Nb0.95Sb0.05O3-x(Bi0.5Na0.5)0.9(Li0.5Ce0.5)0.1ZrO3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2016, 119, .	2.5	46

#	Article	IF	Citations
181	Relationship between Poling Characteristics and Phase Boundaries of Potassiumâ€“Sodium Niobate Ceramics. ACS Applied Materials & Interfaces, 2016, 8, 9242-9246.	8.0	36
182	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
183	Effect of B-site dopants Nb, Ta and W on microstructure and electrical properties of Ca0.85(Li,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Electronics, 2016, 27, 913-920.	2.2	10
184	Quenched bismuth ferrite-barium titanate lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2016, 676, 505-512.	5.5	54
185	Microstructure and electrical properties of 0.94Bi0.51(Na1-x K x) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td ()0.50TiO3-0.0	2.0	0
186	Giant piezoelectric effect and high strain response in (1â^'x)(K0.45Na0.55)(Nb1Sb)O3 -xBi0.5Na0.5Zr1â^'Hf O3 lead-free ceramics. Journal of the European Ceramic Society, 2016, 36, 1605-1612.	5.7	52
187	Balanced development of piezoelectricity, Curie temperature, and temperature stability in potassiumâ€“sodium niobhrate lead-free ceramics. Journal of Materials Chemistry C, 2016, 4, 9779-9787.	5.5	26
188	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
189	Enhanced piezoelectric properties in potassium-sodium niobate-based ternary ceramics. Materials and Design, 2016, 109, 609-614.	7.0	49
190	New potassiumâ€“sodium niobate ternary system with large piezoelectric coefficient and high Curie temperature. Journal of Materials Science: Materials in Electronics, 2016, 27, 9812-9820.	2.2	16
191	Structure-property in KNNS-BNT-BNH ternary system with rhombohedral-tetragonal phase boundary. Ceramics International, 2016, 42, 16049-16054.	4.8	6
192	Electrical properties of holmium doped (K,Na)(Nb,Sb)O3-(Bi,Na)HfO3 ceramics with wide sintering and poling temperature range. Journal of Alloys and Compounds, 2016, 689, 759-766.	5.5	37
193	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
194	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
195	Superior Piezoelectric Properties in Potassiumâ€“Sodium Niobate Leadâ€Free Ceramics. Advanced Materials, 2016, 28, 8519-8523.	21.0	577
196	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
197	Lead-Free KNbO₃:xZnO Composite Ceramics. ACS Applied Materials & Interfaces, 2016, 8, 30304-30311.	8.0	30
198	Composition dependence of phase structure and electrical properties of (1â^'y)Bi1â^'x Nd x FeO3â^'y BiScO3 ceramics. Science China Technological Sciences, 2016, 59, 1029-1035.	4.0	1

#	Article	IF	Citations
199	Enhanced piezoelectricity in (1 â^') Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (x)Bi_{1.05}Fe_{1â^'y}A ceramics: site engineering and wide phase boundary region. Dalton Transactions, 2016, 45, 11277-11285.	3.3	62
200	Contribution of Bi0.5Na0.5ZrO3 on phase boundary and piezoelectricity in K0.48Na0.52Nb0.96Sb0.04O3-Bi0.5Na0.5SnO3-xBi0.5Na0.5ZrO3 ternary ceramics. Journal of Alloys and Compounds, 2016, 684, 397-402.	5.5	14
201	Modification of strain and piezoelectricity in (K,Na)NbO3â€"(Bi,Na)HfO3 lead-free ceramics with high Curie temperature. Journal of Alloys and Compounds, 2016, 684, 217-223.	5.5	33
202	Structure and electrical properties of (0.965 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (x)(K_{0.48}Na_{0.52} piezoelectric ceramics. RSC Advances, 2016, 6, 57210-57216.	3.6	25
203	Crystal Structure, Piezoelectric and Dielectric Properties of (Li, Ce)4+, Nb5+ and Mn2+ Co-doped CaBi4Ti4O15 High-Temperature Ceramics. Journal of Electronic Materials, 2016, 45, 3597-3602.	2.2	8
204	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
205	Phase boundary design and high piezoelectric activity in (1â^'x)(Ba0.93Ca0.07)TiO3-xBa(Sn1â^'Hf)O3 lead-free ceramics. Journal of Alloys and Compounds, 2016, 666, 372-379.	5.5	18
206	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	68
207	Microstructure, electrical properties and temperature stability in Bi_{0.5}Na_{0.5}Zr_{0.95}Ce_{0.05}O₃ modified Râ€"T phase boundary of potassium-sodium niobium lead-free ceramics. RSC Advances, 2016, 6, 6983-6989.	3.6	11
208	Colossal permittivity in titanium dioxide ceramics modified by tantalum and trivalent elements. Acta Materialia, 2016, 103, 243-251.	7.9	136
209	Giant electrocaloric effect in lead-free Ba0.94Ca0.06Ti1â^'xSnxO3 ceramics with tunable Curie temperature. Applied Physics Letters, 2015, 107, .	3.3	60
210	Influence of K/Na ratio on phase structure and electrical properties of 0.96 (K x Na1â^'x) NbO3-0.04 (Bi0.5Na0.5) ZrO3 lead-free ceramics. Journal of Electroceramics, 2015, 34, 142-149.	2.0	14
211	Photocatalytic O₂ production using WO₃ nanoparticles prepared by annealing ethylenediamine tungstate/C_xN_y gel. RSC Advances, 2015, 5, 99398-99404.	3.6	7
212	Effect of Sintering Parameters on Microstructure and Electrical Properties of (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3Lead-Free Piezo-Ceramics. Ferroelectrics, 2015, 489, 129-134.	0.6	5
213	Microstructure and Electrical Properties of (1-x)(K_{0.46}Na_{0.54})NbO₃-x(Bi_{0.5}Na_{0.5})(Zr<sub>0.85 Piezoelectric Ceramics. Ferroelectrics, 2015, 489, 135-140.	0.6	5
214	Phase Structure and Piezoelectric Properties of (0.977-x)(K_{0.5}Na_{0.5})NbO₃-0.023Bi_{0.5}(Na_{0.9}K_{0.1} Piezoelectric Ceramics. Ferroelectrics, 2015, 489, 141-146.	0.6	1
215	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
216	(1 â^') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 72 Td (x)(K_{0.48}Na_{0.52})(Nb_{0.95â^'yâ^'z}Ta<sub>z</s lead-free ceramics: composition dependence of the phase boundaries and electrical properties. Dalton Transactions, 2015, 44, 4440-4448.	3.3	44

#	Article	IF	Citations
217	Evolution of phase structure, microstructure, and electrical properties in (1â^'x)(K,Na)NbO3â€“x(Bi,Na,Li,Ba)ZrO3 lead-free ceramics. Journal of Alloys and Compounds, 2015, 628, 329-334.	5.5	16
218	Microstructure and electrical properties of (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3â€“x wt% ZnO lead-free piezoelectric ceramics sintered at lower temperature. Journal of Materials Science: Materials in Electronics, 2015, 26, 2323-2328.	2.2	19
219	Colossal permittivity in ceramics of TiO₂Co-doped with niobium and trivalent cation. Journal of Materials Chemistry A, 2015, 3, 5805-5810.	10.3	203
220	Phase structure and electrical properties of 0.965(K0.45Na0.55)0.95Ag0.05(Nb1â^'x Sb x) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Electronics, 2015, 26, 7309-7315.	2.2	12
221	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
222	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
223	Composition dependence of phase structure and electrical properties in lead-free (1-x)(K0.42Na0.585)(Nb1â^'Sb)O3-xBi0.5K0.5ZrO3 piezoceramics. Journal of Alloys and Compounds, 2015, 647, 927-934.	5.5	26
224	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
225	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
226	High unipolar strain in samarium-doped potassiumâ€“sodium niobate lead-free ceramics. RSC Advances, 2015, 5, 39295-39302.	3.6	19
227	Piezoelectric properties and thermal stability of Ca0.92(Li,Ce)0.04Bi2Nb2â^'x W x O9 high-temperature ceramics. Applied Physics A: Materials Science and Processing, 2015, 119, 337-341.	2.3	25
228	Ba0.95Ca0.05Ti0.92Sn0.08â^'x Zr x O3 lead-free ceramics: microstructure and piezoelectricity. Journal of Materials Science: Materials in Electronics, 2015, 26, 4119-4123.	2.2	6
229	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
230	Potassiumâ€“Sodium Niobate Lead-Free Piezoelectric Materials: Past, Present, and Future of Phase Boundaries. Chemical Reviews, 2015, 115, 2559-2595.	47.7	1,271
231	Enhanced piezoelectricity over a wide sintering temperature (400â€“1050 Â°C) range in potassium sodium niobate-based ceramics by two step sintering. Journal of Materials Chemistry A, 2015, 3, 6772-6780.	10.3	31
232	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
233	Phase structure and electrical properties of barium-modified potassiumâ€“sodium niobate-based lead-free ceramics. Journal of Alloys and Compounds, 2015, 651, 302-307.	5.5	8
234	Effects of Mo2/3Bi1/3 doping on the phase structure, microstructure, and piezoelectric properties of KNNSâ€“BNZ ceramics. Ceramics International, 2015, 41, 14610-14614.	4.8	20

#	Article	IF	Citations
235	Composition design and electrical properties in (1-y)(K0.40Na0.60)0.985Li0.015(Nb1â^'xSbx)O3-yBi0.5Na0.5ZrO3 lead-free ceramics. Journal of Applied Physics, 2015, 117, .	2.5	25
236	Temperature dependent properties and poling effect of K4CuNb8O23modified (Na0.5K0.5)NbO3lead free piezoceramics. Journal of Applied Physics, 2015, 117, 124103.	2.5	10
237	Enhanced Electrical Properties of Quenched (1 â€“) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (x)Bi<sub>1â€“y Lead-Free Ceramics. Journal of Physical Chemistry C, 2015, 119, 21105-21115.	3.1	30
238	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
239	Dielectric and Ferroelectric Behaviors of (100)-Oriented 0.9Pb(Sc0.5Ta0.5)O3-0.1PbTiO3Thin Films. Ferroelectrics, 2015, 478, 157-164.	0.6	1
240	Composition-Driven Phase Boundary and Piezoelectricity in Potassiumâ€“Sodium Niobate-Based Ceramics. ACS Applied Materials & Interfaces, 2015, 7, 20332-20341.	8.0	76
241	New (1â€‰â^'â€‰x)K0.45Na0.55Nb0.96Sb0.04O3-xBi0.5Na0.5HfO3 lead-free ceramics: Phase boundary and their electrical properties. Journal of Applied Physics, 2015, 118, .	2.5	55
242	Modification of both d₃₃ and T_C in a potassiumâ€“sodium niobate ternary system. Dalton Transactions, 2015, 44, 21141-21152.	3.3	38
243	Potassiumâ€“sodium niobate lead-free ceramics: modified strain as well as piezoelectricity. Journal of Materials Chemistry A, 2015, 3, 1868-1874.	10.3	87
244	Effect of (LiCe) doping in (NaBi)0.48[ ]0.04Bi2Nb1.97W0.03O9 high-temperature ceramics. Journal of Alloys and Compounds, 2015, 625, 113-117.	5.5	20
245	A polymerâ€“metalâ€“polymerâ€“metal heterostructure for enhanced photocatalytic hydrogen production. Journal of Materials Chemistry A, 2015, 3, 109-115.	10.3	53
246	Giant d 33 in nonstoichiometric (K,Na)NbO 3 -based lead-free ceramics. Scripta Materialia, 2015, 94, 25-27.	5.2	64
247	Lead-free (K, Na)NbO3â€“Bi0.5K0.5ZrO3â€“BaZrO3 ternary system: Microstructure and electrical properties. Journal of Alloys and Compounds, 2015, 619, 560-563.	5.5	11
248	Effect of La and Co-doping on microstructure and electrical properties of BiFeO3 thin films. Science Bulletin, 2014, 59, 5205-5211.	1.7	11
249	Phase transition and piezoelectric properties of (1â^'x)(K0.42Na0.58)(Nb0.96Sb0.04)O3â€“x(Bi0.5Na0.5)0.90Mg0.10ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 4650-4656.	2.2	14
250	Phase boundary, poling conditions, and piezoelectric activity and their relationships in (K_{0.42}Na_{0.58})(Nb_{0.96}Sb_{0.04})O₃â€“(Bi_{0.5}K_{0.5} ceramics. RSC Advances, 2014, 4, 64835-64842.	3.6	36
251	New Leadâ€Free (1Ââ^'Âx)(K_{0.5}Na_{0.5})NbO₃â€“x(Bi_{0.5}Na_{0.5})ZrO<sub> Ceramics with High Piezoelectricity. Journal of the American Ceramic Society, 2014, 97, 688-690.	3.8	3
252	Rhombohedralâ€“tetragonal phase coexistence and piezoelectric properties based on potassiumâ€“sodium niobate ternary system. Journal of Alloys and Compounds, 2014, 610, 86-91.	5.5	28

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253	Phase structure, electrical properties, and stability of 0.96(K0.48Na0.52)1â˜'xLixNbO3â€“0.04Bi0.5Na0.5ZrO3 lead-free piezoceramics. Current Applied Physics, 2014, 14, 809-813.	2.4	11
254	Effect of SrZrO3 on phase structure and electrical properties of 0.974(K0.5Na0.5)NbO3â€“0.026Bi0.5K0.5TiO3 lead-free ceramics. Ceramics International, 2014, 40, 2731-2735.	4.8	22
255	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
256	New phase boundary and piezoelectric properties in (K, Na)NbO3 based ceramics. Journal of Alloys and Compounds, 2014, 585, 748-752.	5.5	15
257	New Potassiumâ€“Sodium Niobate Ceramics with a Giant d₃₃. ACS Applied Materials & Interfaces, 2014, 6, 6177-6180.	8.0	90
258	New potassium-sodium niobate lead-free piezoceramic: Giant-d33 vs. sintering temperature. Journal of Applied Physics, 2014, 115, .	2.5	59
259	Temperature stability, phase structure and electrical behavior of Li-modified 0.99(K0.48Na0.52)NbO3â€“0.01BiCoO3 piezoelectric ceramics. Ceramics International, 2014, 40, 1133-1137.	4.8	17
260	Achieving Both Giant d₃₃ and High T_C in Patassium-Sodium Niobate Ternary System. ACS Applied Materials & Interfaces, 2014, 6, 750-756.	8.0	73
261	Two-step sintering of new potassium sodium niobate ceramics: a high d₃₃and wide sintering temperature range. Dalton Transactions, 2014, 43, 12836.	3.3	27
262	Wide phase boundary zone, piezoelectric properties, and stability in 0.97(K0.4Na0.6)(Nb1â˜'xSbx)O3â€“0.03Bi0.5Li0.5ZrO3 lead-free ceramics. Dalton Transactions, 2014, 43, 9419.	3.3	36
263	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
264	High Strain in (K,Na)NbO₃ -Based Lead-Free Piezoceramics. ACS Applied Materials & Interfaces, 2014, 6, 20358-20364.	8.0	31
265	New lead-free piezoelectric ceramics based on (K0.48Na0.52)(Nb0.95Ta0.05)O3â€“Bi0.5(Na0.7K0.2Li0.1)0.5ZrO3. Dalton Transactions, 2014, 43, 3434.	3.3	26
266	High piezoelectricity in low-temperature sintering potassiumâ€“sodium niobate-based lead-free ceramics. RSC Advances, 2014, 4, 53490-53497.	3.6	21
267	Phase transition, microstructure, and electrical properties of Ca, Zr, and Sn-modified BaTiO 3 lead-free ceramics. Journal of Alloys and Compounds, 2014, 615, 969-974.	5.5	26
268	New potassiumâ€“sodium niobate material system: a giant-d₃₃and high-T_Clead-free piezoelectric. Dalton Transactions, 2014, 43, 11759.	3.3	43
269	Giant piezoelectricity of (K,Na)(Nb,Sb)O3â€“(Bi,Na,K,Pb)ZrO3 ceramics with rhombohedralâ€“tetragonal (R-T) phase boundary. Scripta Materialia, 2014, 88, 41-44.	5.2	25
270	Phase structure and electrical properties of (K0.5Na0.5)NbO3â€“(Bi0.5Na0.5)ZrO3 lead-free ceramics with a sintering aid of ZnO. Ceramics International, 2014, 40, 14601-14605.	4.8	22

#	Article	IF	Citations
271	Giant Piezoelectricity in Potassiumâ€“Sodium Niobate Lead-Free Ceramics. Journal of the American Chemical Society, 2014, 136, 2905-2910.	13.7	693
272	High strain in (K_{0.40}Na_{0.60})(Nb_{0.955}Sb_{0.045})O₃â€“Bi_{0.50}Na<sub>0 ceramics with large piezoelectricity. Journal of Materials Chemistry C, 2014, 2, 8796-8803.	5.5	90
273	Low temperature sintering of Ba0.91Ca0.09Ti0.916Sn0.084O3 lead-free piezoelectric ceramics with the additives of ZnO and MnO2. Journal of Electroceramics, 2014, 32, 175-179.	2.0	9
274	Microstructures and Piezoelectric properties of CuO-doped (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3 ceramics. Journal of Electroceramics, 2014, 33, 117-120.	2.0	6
275	Microstructure and piezoelectric properties of lead-free 0.95(Na0.5K0.5)NbO3â€“0.05(Bi0.5K0.5)Zr1â^'x Ti x O3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 1938-1941.	2.2	9
276	Phase structure, piezoelectric properties, and stability of new K0.48Na0.52NbO3â€“Bi0.5Ag0.5ZrO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 3219-3225.	2.2	36
277	Composition induced rhombohedralâ€“tetragonal phase boundary in BaZrO3 modified (K0.445Na0.50Li0.055)NbO3 lead-free ceramics. Materials Letters, 2014, 120, 275-278.	2.6	33
278	0.99(K0.45Na0.52Li0.03)(Nb1â^'xSbx)O3â€“0.01BiScO3 lead-free ceramics with excellent piezoelectric properties and broad sintering temperature. Ceramics International, 2014, 40, 7589-7593.	4.8	15
279	Dielectric and piezoelectric properties of cerium-doped (NaBi)0.49[ ]0.02Bi2Nb1.98Ta0.02O9-based piezoceramics. Ceramics International, 2014, 40, 14159-14163.	4.8	17
280	Giant d33 in (K,Na)(Nb,Sb)O3-(Bi,Na,K, Li)ZrO3 based lead-free piezoelectrics with high Tc. Applied Physics Letters, 2013, 103, .	3.3	109
281	Bismuth ferrite composite thin films. Applied Physics A: Materials Science and Processing, 2013, 111, 1017-1020.	2.3	4
282	Orientation dependence of resistive hysteresis in bismuth ferrite thin films. Journal of Alloys and Compounds, 2013, 569, 126-129.	5.5	10
283	Compositional dependence of phase structure and electrical properties in (K0.50Na0.50)0.97Bi0.01(Nb1â^'xZrx)O3 lead-free ceramics. Ceramics International, 2013, 39, 8021-8024.	4.8	42
284	Orthorhombicâ€“tetragonal phase coexistence and piezoelectric behavior in (1â^'x)(Ba,Ca)(Ti,Sn)O3â€“x(Ba,Ca)(Ti,Zr)O3 lead-free ceramics. Materials Research Bulletin, 2013, 48, 4411-4414.	5.2	22
285	Enhanced d33 value in HfO2-modified (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3 ceramics. Journal of Alloys and Compounds, 2013, 576, 299-301.	5.5	13
286	Charge defects-induced electrical properties in bismuth ferrite bilayered thin films. Materials Research Bulletin, 2013, 48, 2973-2977.	5.2	10
287	Lead-free Piezoelectrics Based on Potassiumâ€“Sodium Niobate with Giant d₃₃. ACS Applied Materials & Interfaces, 2013, 5, 7718-7725.	8.0	199
288	Enhanced d33 value in (1â^'x)[(K0.50Na0.50)0.97Li0.03Nb0.97Sb0.03O3]â^'xBaZrO3 lead-free ceramics with an orthorhombicâ€“rhombohedral phase boundary. Journal of Alloys and Compounds, 2013, 581, 446-451.	5.5	41

#	Article	IF	Citations
289	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
290	Mediating the Contradiction of d₃₃ and T_C in Potassiumâ€“Sodium Niobate Lead-Free Piezoceramics. ACS Applied Materials & Interfaces, 2013, 5, 10409-10417.	8.0	50
291	Lead-free piezoelectric ceramics based on (0.97â€‰â^'â€‰x)K0.48Na0.52NbO3-0.03Bi0.5(Na0.7K0.2Li0.1)0.5ZrO3-xB0.5Na0.5TiO3 ternary system. Journal of Applied Physics, 2013, 114, 124107.	2.5	24
292	Rhombohedralâ€“tetragonal phase boundary and electrical properties of new K_{0.48}Na_{0.52}Nb_{0.98}Sb_{0.02}O₃-Bi_{0.5}Na_{0.5}Z piezoceramics. Journal Physics D: Applied Physics, 2013, 46, 495305.	2.8	35
293	Ba_{0.85}Ca_{0.15}Ti_{0.90}Zr_{0.10}O₃ Lead-free Ceramics with a Sintering Aid of MnO. Integrated Ferroelectrics, 2013, 141, 89-98.	0.7	8
294	A giant polarization value of Zn and Mn co-modified bismuth ferrite thin films. Applied Physics Letters, 2013, 102, .	3.3	46
295	Piezoelectric Properties of (1-x)(K_{0.52}Na_{0.48})_{1-x}Li_xNbO₃-x(Bi_{0.5}Na_{0.5})_{0.9}Ca_{0.1}TiO₃ with Higher Curie Temperature. Integrated Ferroelectrics, 2013, 141, 82-88.	0.7	2
296	Optical Properties of 0.95BiFeO₃-RTiO₃ (R = Mg, Pb, Ba, Ca and Sr) Thin Films. Integrated Ferroelectrics, 2012, 139, 1-6.	0.7	0
297	Effect of (Bi, La)(Fe, Zn)O3 thickness on the microstructure and multiferroic properties of BiFeO3 thin films. Journal of Applied Physics, 2012, 112, 094109.	2.5	7
298	High piezoelectric coefficient of Pr2O3-doped Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics. Ceramics International, 2012, 38, 6359-6363.	4.8	70
299	Effect of bilayer structure and a SrRuO3 buffer layer on ferroelectric properties of BiFeO3 thin films. Applied Physics A: Materials Science and Processing, 2012, 109, 57-61.	2.3	9
300	Piezoelectric properties of new ternary Bi1/2(Na, Li)1/2TiO3â€“(Bi1/2K1/2)TiO3â€“Ba0.85Ca0.15Ti0.90Zr0.10O3 ceramics. Applied Physics A: Materials Science and Processing, 2012, 109, 273-277.	2.3	2
301	Dielectric properties and impedance analysis in Aurivillius-type (Na0.25K0.25Bi0.5)1â^'x(LiCe)x/2[]x/2Bi4Ti4O15 ceramics. Journal of Alloys and Compounds, 2012, 541, 310-316.	5.5	24
302	A Method to Improve Electrical Properties of BiFeO₃ Thin Films. ACS Applied Materials & Interfaces, 2012, 4, 1182-1185.	8.0	49
303	Rhombohedral-Orthorhombic Phase Transition Induced Enhancement on the Electrical Behavior of (K0.5Na0.5)NbO3-BiScO3-BiCoO3 Lead-free Piezoelectric Ceramics. Materials Research Society Symposia Proceedings, 2012, 1397, 90.	0.1	0
304	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
305	Effects of sintering temperature and poling conditions on the electrical properties of Bi0.50(Na0.70K0.20Li0.10)0.50TiO3 piezoelectric ceramics. Journal of Alloys and Compounds, 2012, 525, 53-57.	5.5	29
306	Multiferroic and fatigue behavior of BiFe_{0.95}Mn_{0.05}O₃/Bi_{0.90}La_{0.10}Fe_{0.85}Zn<sub>0.15</s bilayered thin films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 14-20.	3.0	4

#	Article	IF	Citations
307	Investigation of a new lead-free (0.89â^'x)(Bi0.5Na0.5)TiO3â€"0.11(Bi0.5K0.5)TiO3â€"xBa0.85Ca0.15Ti0.90Zr0.10O3 ceramics. Materials Research Bulletin, 2012, 47, 3937-3940.	5.2	20
308	Microstructure and electrical properties of (Ba0.98Ca0.02)(Ti0.94Sn0.06)O3-modified Bi0.51Na0.50TiO3 lead-free ceramics. Ceramics International, 2012, 38, 5677-5681.	4.8	20
309	Effect of New Phase Boundary on the Dielectric and Piezoelectric Properties of K_{0.5}Na_{0.5}NbO₃- xBaZrO₃- yBi_{0.5}Na_{0.5}TiO₃Lead-free Ceramics. Integrated Ferroelectrics, 2012, 139, 63-74.	0.7	16
310	Microstructure and electrical properties of (Bi_{0.50+x}Na_{0.50})_{0.94}Ba_{0.06}TiO₃ ceramics with bismuth nonstoichiometry. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1213-1218.	1.8	8
311	(Ba, Ca)(Ti, Zr)O3-BiFeO3 lead-free piezoelectric ceramics. Current Applied Physics, 2012, 12, 534-538.	2.4	52
312	Piezoelectric properties of [Li0.03(K0.48Na0.52)0.97](Nb0.97Sb0.03)O3-(Ba0.85Ca0.15)(Ti0.90Zr0.10)O3 lead-free piezoelectric ceramics. Current Applied Physics, 2012, 12, 752-754.	2.4	17
313	Switching-induced charge injection inducing fatigue in lead zirconate titanium thin films. Ceramics International, 2012, 38, 2583-2587.	4.8	1
314	Microstructure and electrical properties of relaxor (1â^'x)[(K0.5Na0.5)0.95Li0.05](Nb0.95Sb0.05)O3â€"xBaTiO3 piezoelectric ceramics. Ceramics International, 2012, 38, 2277-2282.	4.8	22
315	An enhanced mechanical quality factor and a low dielectric loss in lithium sodium niobate lead-free ceramics. Ceramics International, 2012, 38, 4023-4027.	4.8	5
316	Effect of Ba0.85Ca0.15Ti0.90Zr0.10O3 content on the microstructure and electrical properties of Bi0.51(Na0.82K0.18) 0.50TiO3 ceramics. Ceramics International, 2012, 38, 4845-4851.	4.8	25
317	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
318	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
319	Multiferroic and fatigue behavior of silicon-based bismuth ferrite sandwiched structure. Journal of Materials Chemistry, 2011, 21, 7308.	6.7	17
320	Leakage mechanism of cation -modified BiFeO3 thin film. AIP Advances, 2011, 1, .	1.3	70
321	Thickness-Dependent Magnetic Properties of Bismuth Ferrite Thin Films. Electrochemical and Solid-State Letters, 2011, 14, G57.	2.2	5
322	Migration Kinetics of Oxygen Vacancies in Mn-Modified BiFeO₃ Thin Films. ACS Applied Materials & Interfaces, 2011, 3, 2504-2511.	8.0	64
323	Ferroelectric Behavior in Bismuth Ferrite Thin Films of Different Thickness. ACS Applied Materials & Interfaces, 2011, 3, 3261-3263.	8.0	52
324	BiFeO3/Zn1â^'xMnxO bilayered thin films. Applied Surface Science, 2011, 258, 1390-1394.	6.1	11

#	Article	IF	Citations
325	Bismuth ferrite bilayered thin films of different constituent layer thicknesses. Journal of Alloys and Compounds, 2011, 509, 7742-7748.	5.5	0
326	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
327	Compositionally graded bismuth ferrite thin films. Journal of Alloys and Compounds, 2011, 509, L319-L323.	5.5	4
328	Dielectric and piezoelectric properties of Sb5+ doped (NaBi)0.38(LiCe)0.05[]0.14Bi2Nb2O9 ceramics. Journal of Alloys and Compounds, 2011, 509, 8483-8486.	5.5	24
329	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
330	Piezoelectric properties of (K0.474Na0.474Li0.052)(Nb0.948Sb0.052)O3-Co2O3 lead-free ceramics. Journal of the Ceramic Society of Japan, 2011, 119, 654-657.	1.1	8
331	Effect of <scp>(Bi,Gd)FeO₃</scp> Layer Thickness on the Microstructure and Electrical Properties of <scp>BiFeO₃</scp> Thin Films. Journal of the American Ceramic Society, 2011, 94, 4291-4298.	3.8	10
332	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
333	Resistive hysteresis in BiFeO3 thin films. Materials Research Bulletin, 2011, 46, 2183-2186.	5.2	20
334	Thin film bilayers of multiferroic bismuth ferrite on Ptâ€“Si substrate. Physica Status Solidi - Rapid Research Letters, 2011, 5, 83-85.	2.4	4
335	Effect of oxygen content during sputtering on the electrical properties of bismuth ferrite thin films. Physica Status Solidi - Rapid Research Letters, 2011, 5, 190-192.	2.4	7
336	New crystallographic dielectric phase boundary in K_{0.5}Na_{0.5}NbO₃â€based leadâ€free ceramics. Physica Status Solidi - Rapid Research Letters, 2011, 5, 220-222.	2.4	19
337	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
338	Mn4+:BiFeO3/Zn2+:BiFeO3 bilayered thin films of (111) orientation. Applied Surface Science, 2011, 257, 7226-7230.	6.1	18
339	Combined effects of bilayer structure and ion substitutions on bismuth ferrite thin films. Journal of Applied Physics, 2011, 109, .	2.5	11
340	Valence-driven electrical behavior of manganese-modified bismuth ferrite thin films. Journal of Applied Physics, 2011, 109, 124118.	2.5	28
341	Impedance spectroscopy of bilayered bismuth ferrite thin films. Journal of Applied Physics, 2011, 110, .	2.5	38
342	PHASE STRUCTURE, PIEZOELECTRIC AND MULTIFERRIOC BEHAVIOR OF (K_{0.48}Na_{0.52})NbO₃-Co₂O₃ PIEZOELECTRIC CERAMICS. Functional Materials Letters, 2011, 04, 225-229.	1.2	8

#	Article	IF	Citations
343	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
344	BiFeO₃ Thin Films Deposited on LaNiO₃â€Buffered SiO₂/Si Substrate. Journal of the American Ceramic Society, 2010, 93, 1422-1426.	3.8	16
345	Bilayered BiFe_{0.95}Mn_{0.05}O₃/Bi_{0.90}La_{0.10}FeO₃ Thin Films with Low Ferroelectric Coercivity and Large Remanent Polarization. Journal of the American Ceramic Society, 2010, 93, 2113-2116.	3.8	6
346	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
347	Multiferroic Behavior of Sn-Modified BiFeO[sub 3] Thin Films. Electrochemical and Solid-State Letters, 2010, 13, G83.	2.2	9
348	Fatigue and ferroelectric behavior of La and Zn comodified BiFeO3 thin films. Journal of Applied Physics, 2010, 108, .	2.5	23
349	Improved ferroelectric behavior in (110) oriented BiFeO3 thin films. Journal of Applied Physics, 2010, 107, 034103.	2.5	47
350	Effect of Zn Concentration on Multiferroic and Fatigue Behavior of Bi[sub 0.90]La[sub 0.10]Fe[sub 1â^'x]Zn[sub x]O[sub 3] Thin Films. Electrochemical and Solid-State Letters, 2010, 13, G105.	2.2	8
351	Resistive Hysteresis and Diodelike Behavior of BiFeO[sub 3]/ZnO Heterostructure. Electrochemical and Solid-State Letters, 2010, 13, G9.	2.2	19
352	ZnO as a buffer layer for growth of BiFeO3 thin films. Journal of Applied Physics, 2010, 108, .	2.5	42
353	Multiferroic, Optical, and Fatigue Behavior of BiFeO[sub 3] Thin Films with a Sintering Aid of CuO. Electrochemical and Solid-State Letters, 2010, 13, G68.	2.2	3
354	Diodelike and resistive hysteresis behavior of heterolayered BiFeO3/ZnO ferroelectric thin films. Journal of Applied Physics, 2010, 108, .	2.5	46
355	Improved Ferroelectric and Fatigue Behavior of Bi_{0.95}Gd_{0.05}FeO₃/BiFe_{0.95}Mn_{0.05}O₃ Bilayered Thin Films. Journal of Physical Chemistry C, 2010, 114, 19318-19321.	4.5	17
356	Multiferroic behavior of BiFeO3â€“RTiO3 (Mg, Sr, Ca, Ba, and Pb) thin films. Journal of Applied Physics, 2010, 108, 026101.	2.5	7
357	Multiferroic behavior and electrical conduction of BiFeO3 thin film deposited on quartz substrate. Journal of Alloys and Compounds, 2010, 507, L4-L7.	5.5	19
358	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
359	Effect of residual stress on the ferroelectric property of (Pb0.90La0.10)Ti0.975O3 thin films. Journal of Applied Physics, 2009, 105, 056107.	2.5	4
360	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

#	Article	IF	Citations
361	Electrical behavior and oxygen vacancies in BiFeO3/[(Bi1/2Na1/2)0.94Ba0.06]TiO3 thin film. Applied Physics Letters, 2009, 95, .	3.3	59
362	Preparation and Piezoelectric Properties of (Na0.52-xK0.48)Nb0.95-xTa0.05O3-xLiSbO3 Ceramics. Ferroelectrics, 2009, 385, 6108-6113.	0.6	2
363	Multiferroic behaviour and orientation dependence of lead-free (1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (â˜'x)BiF films. Journal Physics D: Applied Physics, 2009, 42, 195405.	2.8	13
364	Phase transitions and electrical behavior of lead-free (K0.50Na0.50)NbO3 thin film. Journal of Applied Physics, 2009, 106, .	2.5	45
365	Orientation dependence of ferroelectric behavior of BiFeO3 thin films. Journal of Applied Physics, 2009, 106, .	2.5	94
366	Periodicity and orientation dependence of electrical properties of [(Pb0.90La0.10)Ti0.975O3/PbTiO3]n (n=1â€“6) multilayer thin films. Applied Surface Science, 2009, 255, 8305-8308.	6.1	3
367	Piezoelectric Properties of (1â˜'x)(Na_{0.5}K_{0.5})NbO₃â€“xAgSbO₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2009, 92, 755-757.	2.8	30
368	High Curie temperature of (Li, K, Ag)-modified (K0.50Na0.50)NbO3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2009, 472, L6-L8.	5.5	14
369	Phase structure, microstructure and ferroelectric properties of (1â˜'x)[(K0.50Na0.50)0.94Li0.06](Nb0.94Sb0.06)O3â€“xCaTiO3 lead-free ceramics. Journal of Alloys and Compounds, 2009, 476, 782-786.	5.5	27
370	Multiferroic behavior and impedance spectroscopy of bilayered BiFeO3/CoFe2O4 thin films. Journal of Applied Physics, 2009, 105, .	2.5	80
371	Multiferroic and Fatigue Behavior of (Bi[sub 0.90]La[sub 0.10])FeO[sub 3]/CoFe[sub 2]O[sub 4]/(Bi[sub) Tj ETQq1 1 0.784314 rgBT /O G61.	2.2	11
372	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
373	Microstructure and electrical properties of (1â€“x)(K_{0.5}Na_{0.5})NbO₃â€“x BiFeO₃ piezoelectric ceramics. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1211-1214.	1.8	13
374	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
375	Effect of the PbOx thickness on the microstructure and electrical properties of PLT thin films prepared by RF magnetron sputtering. Surface and Coatings Technology, 2008, 202, 2080-2084.	4.8	4
376	K/Na Ratio Dependence of the Electrical Properties of [(K_xNa_{1â˜'x})_{0.95}Li_{0.05}](Nb_{0.95}Ta_{0.05})O<sub> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 2385-2387.	3.8	28
377	Microstructure and Electrical Properties of [(K_{0.50}Na_{0.50})_{0.95â˜'x}Li_{0.05}Ag_x](Nb_{0.95} Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 2772-2775.	3.8	49
378	CaTiO₃â€Modified (K_{0.50}Na_{0.50})(Nb_{0.96}Sb_{0.04})O₃Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 3402-3404.	3.8	18

#	Article	IF	Citations
379	High Tunability of Highly (100)â€Oriented Lead Zirconate Titanium Thin Films. Journal of the American Ceramic Society, 2008, 91, 3786-3788.	3.8	21
380	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
381	Microstructure and electrical properties of (Li, Ag, Ta, Sb)-modified (K_{0.50}Na_{0.50})NbO₃ lead-free ceramics with good temperature stability. Journal Physics D: Applied Physics, 2008, 41, 125405.	2.8	28
382	Electrical properties and temperature stability of a new kind of lead-free piezoelectric ceramics. Journal Physics D: Applied Physics, 2008, 41, 245401.	2.8	11
383	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
384	Effects of K content on the dielectric, piezoelectric, and ferroelectric properties of 0.95(KxNa1âˆ'x)NbO3âˆ'0.05LiSbO3 lead-free ceramics. Journal of Applied Physics, 2008, 103, .	2.5	77
385	Preparation and properties of highly (100)-oriented Pb(Zr0.2Ti0.8)O3 thin film prepared by rf magnetron sputtering with a PbOx buffer layer. Journal of Applied Physics, 2007, 101, 094107.	2.5	35
386	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
387	Microstructure, dielectric, and piezoelectric properties of (Li, Ag, Ta) modified (K0.50Na0.50)NbO3 lead-free ceramics with high Curie temperature. Journal of Applied Physics, 2007, 102, .	2.5	34
388	Effects of Ag content on the phase structure and piezoelectric properties of (K0.44âˆ'xNa0.52Li0.04Agx)(Nb0.91Ta0.05Sb0.04)O3 lead-free ceramics. Applied Physics Letters, 2007, 91, 132914.	3.3	122
389	Orientation dependence of dielectric and ferroelectric properties of Pb(Zr0.8Ti0.2)O3âˆ•Pb(Zr0.2Ti0.8)O3 multilayered thin films. Applied Physics Letters, 2007, 91, .	3.3	12
390	Effects of Kâˆ•Na ratio on the phase structure and electrical properties of (KxNa0.96âˆ'xLi0.04)(Nb0.91Ta0.05Sb0.04)O3 lead-free ceramics. Applied Physics Letters, 2007, 91, 252907.	3.3	153
391	Double hysteresis loop in (Pb0.90La0.10)Ti0.975O3âˆ•Pb(Zr0.20Ti0.80)O3 bilayer thin films. Applied Physics Letters, 2007, 91, .	3.3	19
392	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
393	Growth and properties of (Pb0.90La0.10)TiO3 thick films prepared by RF magnetron sputtering with a PbO buffer layer. Journal of Crystal Growth, 2007, 300, 398-402.	1.5	2
394	Highly (100)-oriented (Pb1-xLax)Ti1-x/4O3/Pb(Zr0.20Ti0.80)O3/(Pb1-xLax)Ti1-x/4O3multilayered thin films by RF magnetron sputtering. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2362-2368.	1.8	5
395	Orientation control and ferroelectric properties of (Pb_{0.90}La_{0.10})Ti_{0.975}O₃ thin films prepared by rf magnetron sputtering with a LaNiO₃ buffer layer. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 3526-3532.	1.8	3
396	Piezoelectric and ferroelectric properties of [(K0.4725Na0.4725)Li0.055]NbO3â€"(Ag0.5Li0.5)TaO3lead-free ceramics. Physica Status Solidi - Rapid Research Letters, 2007, 1, 214-216.	2.4	19

#	Article	IF	Citations
397	Bi<inf>0.5</inf>(Na<inf>l-x-y</inf>K<inf>x</inf>Li<inf>y</inf>)<inf>0.5</inf>TiO<... Lead-free Piezoelectric Ceramics and Their Applications for Buzzers and Filters. , 2006, , .		0
398	THE CRYSTALLINE AND DOMAIN PROPERTIES OF PLT THIN FILMS FABRICATED BY RF SPUTTERING. Integrated Ferroelectrics, 2006, 79, 219-226.	0.7	0