

Mitigation of thermal and fatigue behavior in $\text{K}_{0.5}\text{Na}_{0.5}$

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Piezoelectric properties of low-temperature sintered Li-modified (Na, $\hat{\text{A}}$,K)NbO ₃ lead-free ceramics. Applied Physics Letters, 2008, 93, .	1.5	143
2	Enhanced ferroelectric properties of LiNbO ₃ substituted Na _{0.5} K _{0.5} NbO ₃ lead-free thin films grown by chemical solution deposition. Applied Physics Letters, 2008, 93, .	1.5	60
3	High-quality single crystal growth of Bi-based perovskite ferroelectrics based on defect chemistry. Journal of the Ceramic Society of Japan, 2008, 116, 994-1001.	0.5	26
4	Phase coexistence and high electrical properties in (K _x Na _{0.96} $\hat{\text{A}}$ ^x Li _{0.04})(Nb _{0.85} Ta _{0.15})O ₃ piezoelectric ceramics. Journal of Applied Physics, 2009, 105, 054101.	1.1	41
5	Characterization of Hard Piezoelectric Lead-Free Ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1523-1527.	1.7	117
6	$\hat{\text{A}}$ 001 $\hat{\text{A}}$ © textured (K _{0.5} Na _{0.5})(Nb _{0.97} Sb _{0.03})O ₃ piezoelectric ceramics with high electromechanical coupling over a broad temperature range. Applied Physics Letters, 2009, 95, .	1.5	117
7	A comprehensive study of the phase diagram of K _x Na ₁ $\hat{\text{A}}$ ^x NbO ₃ . Applied Physics Letters, 2009, 95, .	1.5	150
8	Thermal Reliability of Alkaline Niobate-Based Lead-Free Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2009, 48, 09KD08.	0.8	30
9	(K,Na)NbO ₃ -Based Multilayer Piezoelectric Ceramics with Nickel Inner Electrodes. Applied Physics Express, 2009, 2, 111401.	1.1	136
10	Polymorphic phase transition and enhanced piezoelectric properties of LiTaO ₃ -modified (Na _{0.52} K _{0.48})(Nb _{0.93} Sb _{0.07})O ₃ lead-free ceramics. Journal Physics D: Applied Physics, 2009, 42, 012006.	1.3	73
11	Investigation on the composition design and properties study of perovskite lead-free piezoelectric ceramics. Journal of Materials Science, 2009, 44, 5408-5419.	1.7	93
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13	Perspective on the Development of Lead-Free Piezoceramics. Journal of the American Ceramic Society, 2009, 92, 1153-1177.	1.9	2,571
14	Enhanced Piezoelectric Properties in Mn-Doped 0.98K _{0.5} Na _{0.5} NbO ₃ $\hat{\text{A}}$ 0.02BiScO ₃ Lead-Free Ceramics. Journal of the American Ceramic Society, 2009, 92, 1625-1628.	1.9	19
15	Temperature Stability of Electrical Properties of (K _{0.5} Na _{0.5}) ₁ $\hat{\text{A}}$ ^x Li _x Nb _{0.95} Sb _{0.05} O ₃ Lead-Free Ceramics. International Journal of Applied Ceramic Technology, 2010, 7, E39.	1.0	10
16	Dielectric/piezoelectric properties and temperature dependence of domain structure evolution in lead free single crystal. Solid State Communications, 2009, 149, 1646-1649.	0.9	77
17	Polarization fatigue in Pb(In _{0.5} Nb _{0.5})O ₃ $\hat{\text{A}}$ Pb(Mg _{1/3} Nb _{2/3})O ₃ $\hat{\text{A}}$ PbTiO ₃ single crystals. Acta Materialia, 2010, 58, 3773-3780.	3.8	48
18	Low-Temperature Sintering of Cu-Doped 0.94(K _{0.48} Na _{0.535})NbO ₃ $\hat{\text{A}}$ 0.06LiNbO ₃ Lead-Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2010, 93, 4018-4021.	1.9	36

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19	Effect of LiNbO_3 on Piezoelectric Properties of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Ceramics. Materials Science Forum, 2010, 654-656, 2037-2040.	0.3	0
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29	Structure and Piezoelectric Properties of Fe-Doped Potassium Sodium Niobate Tantalate Lead-Free Ceramics. Journal of the American Ceramic Society, 2011, 94, 2489-2493.	1.9	44
30	Influence of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3$ on the Phase Transitions, Electrical, and Thermal Properties of a PbZrO_3 Ceramic. Journal of the American Ceramic Society, 2011, 94, 3397-3404.	1.9	8
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32	Effect of sintering temperature on phase transitions, properties and temperature stability of $(\text{K}_{0.465}\text{Na}_{0.465}\text{Li}_{0.07})(\text{Nb}_{0.95}\text{Sb}_{0.05})\text{O}_3$ lead-free piezoelectric ceramics. Current Applied Physics, 2011, 11, S138-S142.	1.1	17
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39	Temperature dependent electrical properties of 0.95[(K0.5Na0.5)(1-x)Ag x NbO3]-0.05LiSbO3 ceramics. Journal of Electroceramics, 2012, 29, 211-215.	0.8	1
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41	Piezoelectric properties of tetragonal K0.95Li0.05TaxNb1-xO3 lead-free single crystals near tetragonal-cubic phase transition boundary. Phase Transitions, 2012, 85, 523-529.	0.6	1
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57	Enhanced bipolar fatigue resistance in $CaZrO_3$ -modified $(K,Na)NbO_3$ lead-free piezoceramics. Applied Physics Letters, 2014, 104, .	1.5	77
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69	Electric fatigue process in lead-free alkali niobate ceramics at various pressures and temperatures. Japanese Journal of Applied Physics, 2015, 54, 10NB06.	0.8	8
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74	Nanodomain Engineered (K, Na)NbO ₃ Lead-Free Piezoceramics: Enhanced Thermal and Cycling Reliabilities. <i>Journal of the American Ceramic Society</i> , 2015, 98, 448-454.	1.9	57
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76	Effect of Ti on the properties of (K _x Na _{1-x})NbO ₃ based lead-free ceramics. <i>Ceramics International</i> , 2015, 41, 13232-13240.	2.3	2
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78	Potassium-sodium niobate lead-free piezoelectric ceramics: recent advances and perspectives. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9297-9308.	1.1	64
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83	Modification of both d_{33} and T_C in a potassium-sodium niobate ternary system. <i>Dalton Transactions</i> , 2015, 44, 21141-21152.	1.6	38
84	Domain Structure of Potassium-Sodium Niobate Ceramics Before and After Poling. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1027-1033.	1.9	53
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86	Morphotropic NaNbO ₃ -BaTiO ₃ -CaZrO ₃ lead-free ceramics with temperature-insensitive piezoelectric properties. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	44
87	High Bipolar Fatigue Resistance of BCTZ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 174-182.	1.9	31
88	Effect of Na on the structural and electrical properties of lead-free sodium potassium niobate ceramics. <i>Integrated Ferroelectrics</i> , 2016, 168, 115-129.	0.3	6
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99	First-principles calculations of electrical properties, structure, and phase transition of K _{1-x} Na _x NbO ₃ solid solutions. Physical Chemistry Chemical Physics, 2017, 19, 27368-27373.	1.3	4
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105	Average vs. local structure and composition-property phase diagram of K _{0.5} Na _{0.5} NbO ₃ -Bi ^{1/2} Na ^{1/2} TiO ₃ system. Journal of the European Ceramic Society, 2017, 37, 1387-1399.	2.8	118
106	Improved piezoelectricity and high strain response of (1- λ)(0.948K _{0.5} Na _{0.5} NbO ₃ - λ 0.052LiSbO ₃) λ Bi ₂ O ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 1211-1216.	1.1	7
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110	Orthorhombic-tetragonal phase transition induced by Ta isovalent doping and its effect on the fatigue characteristics of KNL-NST ceramics. <i>Ceramics International</i> , 2018, 44, 1526-1533.	2.3	6
111	Structural evolution of the R ₃ T phase boundary in KNN-based ceramics. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1191-1200.	1.9	25
112	Electrocaloric behavior and piezoelectric effect in relaxor NaNbO ₃ -based ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2578-2586.	1.9	16
113	A high temperature stable piezoelectric strain of KNN-based ceramics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19967-19973.	5.2	28
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116	Alkali Niobate-Based Piezoelectric Materials. , 2018, , 109-189.		0
117	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30566-30573.	4.0	31
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119	Understanding the mechanism of thermal-stable high-performance piezoelectricity. <i>Acta Materialia</i> , 2019, 169, 155-161.	3.8	49
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122	A comparative study of the polarization degradation mechanisms during electric cycling in (Bi _{1/2} Na _{1/2})TiO ₃ -based relaxors. <i>Scripta Materialia</i> , 2020, 178, 334-338.	2.6	5
123	Effects of oxide additives on the electrical properties of sodium bismuth titanate-based lead-free ceramics. <i>Materials Research Bulletin</i> , 2020, 122, 110699.	2.7	1
124	Solid-state crystal growth of lead-free ferroelectrics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7606-7649.	2.7	27
125	Enhanced thermal and cycling reliabilities in (K,Na)(Nb,Sb)O ₃ -CaZrO ₃ -(Bi,Na)HfO ₃ ceramics. <i>Journal of Advanced Ceramics</i> , 2020, 9, 349-359.	8.9	11
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