

Limei Zheng

List of Publications by Year in descending order

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52
papers

1,108
citations

394421

19
h-index

414414

32
g-index

52
all docs

52
docs citations

52
times ranked

996
citing authors

#	ARTICLE	IF	CITATIONS
1	Large size lead-free (Na,K)(Nb,Ta)O ₃ piezoelectric single crystal: growth and full tensor properties. CrystEngComm, 2013, 15, 7718.	2.6	94
2	Multi-Nonvolatile State Resistive Switching Arising from Ferroelectricity and Oxygen Vacancy Migration. Advanced Materials, 2017, 29, 1606165.	21.0	84
3	(K, Na, Li)(Nb, Ta)O ₃ :Mn Lead-Free Single Crystal with High Piezoelectric Properties. Journal of the American Ceramic Society, 2015, 98, 1829-1835.	3.8	75
4	Orientation dependence of piezoelectric properties and mechanical quality factors of 0.27Pb(In _{1/2} Nb _{1/2})O ₃ -0.46Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.27PbTiO ₃ :Mn single crystals. Journal of Applied Physics, 2013, 114, .	2.5	68
5	Complete set of material constants of 0.95(Na _{0.5} Bi _{0.5})TiO ₃ -0.05BaTiO ₃ lead-free piezoelectric single crystal and the delineation of extrinsic contributions. Applied Physics Letters, 2013, 103, .	3.3	66
6	High-Energy Storage Properties over a Broad Temperature Range in La-Modified BNT-Based Lead-Free Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 19683-19696.	8.0	57
7	A high quality lead-free (Li, Ta) modified (K, Na)NbO ₃ single crystal and its complete set of elastic, dielectric and piezoelectric coefficients with macroscopic 4mm symmetry. CrystEngComm, 2014, 16, 9828-9833. Hysteretic phase transition sequence in $\text{K}(\text{Li}, \text{Ta})\text{NbO}_3$	2.6	48

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#	ARTICLE	IF	CITATIONS
19	Exploring lattice symmetry evolution with discontinuous phase transition by Raman scattering criteria: The single-crystalline K_2TaF_7 model system. <i>Physical Review B</i> , 2019, 100, ...	3.2	10.7843
20	Domain evolution with electric field and delineation of extrinsic contributions in (K, Na, Li)(Nb, Ta) TaTe_2 Overlook	3.3	10 Tf 50
21	Local twin domains and tip voltage-induced domain switching of monoclinic M_2C phase in M_2C		

#	ARTICLE	IF	CITATIONS
37	Temperature dependent piezoelectric anisotropy in tetragonal 0.63Pb(Mg _{1/3} Nb _{2/3})-0.37PbTiO ₃ single crystal. Applied Physics Letters, 2018, 113, 102903.	3.3	5
38	Growth and characterization of large size lead-free ferroelectric K(Ta,Nb)O ₃ single crystal. Journal of the American Ceramic Society, 2021, 104, 5182-5191.	3.8	5
39	Characterization of full tensor properties of single-domain tetragonal 0.63Pb(Mg _{1/3} Nb _{2/3})O ₃ •0.37PbTiO ₃ single crystal using only one sample. Ceramics International, 2018, 44, 8358-8362.	4.8	4
40	Temperature dependence of full matrix material constants of [001] _c poled 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystal. Journal of Applied Physics, 2018, 123, .	2.5	4
41	Reversible and irreversible domain wall dynamics in [011] _c oriented relaxor ferroelectric single crystals. Journal of the American Ceramic Society, 2020, 103, 3257-3264.	3.8	4
42	Intrinsic piezoelectricity in (K,Na)NbO ₃ -based lead-free single crystal: Piezoelectric anisotropy and its evolution with temperature. Applied Physics Letters, 2020, 117, .	3.3	4
43	MgTiO ₃ Modified (Na _{0.53} K _{0.41} Li _{0.06})Nb _{0.91} Sb _{0.09} O ₃ Piezoelectric Ceramics with Improved Thermal Stability. Ferroelectrics, 2010, 404, 134-140.		
44	Determination of full matrix material constants of [111] _c poled Mn doped 0.24Pb(In _{1/2} Nb _{1/2})O ₃ -0.46Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ single-domain single crystal using one sample. Journal of Applied Physics, 2016, 120, .	2.5	3
45	Temperature- and $\langle i \rangle E$ -dependent domain configuration and electrical properties in (K, Na) _{1-x} Tj ETQq ₁ 1 0.784314 rgBT 3973-3981.	3.8	3
46	Effect of shear stress in ferroelectric solid solutions with coexisting phases. Journal of Applied Physics, 2017, 122, .	2.5	3
47	Full tensor properties of [111] poled (Na, K)(Nb,Ta)O ₃ lead-free single crystal. Materials Letters, 2017, 186, 267-270.	2.6	3
48	Mn doped ternary relaxor single crystal with high shear piezoelectricity and improved stability. Ceramics International, 2018, 44, 18672-18677.	4.8	3
49	Ferroelectric domain structure and atomic-scale phase distribution in a Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystal. Ceramics International, 2021, , .	4.8	2
50	Homogenous Sn-doped K(Ta,Nb)O ₃ single crystals and its high piezoelectric response. Journal of Materiomics, 2022, 8, 702-709.	5.7	2
51	Lead-bismuth-free piezoceramics (Na _{0.5} K _{0.44} Li _{0.06})Nb _{0.95} Sb _{0.05} O ₃ -Na _{5.6} Cu _{1.2} Sb ₁₀ O ₂₉ . Science Bulletin, 2007, 52, 566-569.	1.7	0
52	Accurate determination of temperature dependent full matrix parameters of piezoelectric materials using only one sample. Ceramics International, 2020, 46, 18763-18767.	4.8	0