

Tomoaki Karki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The preparation of MnO ₂ -doped NaNbO ₃ -based lead-free ceramics with enhanced energy storage performance and attractive electrocaloric effect. Japanese Journal of Applied Physics, 2022, 61, SB1028.	1.5	3
2	Single-Beam Acoustic Tweezer Prepared by Lead-Free KNN-Based Textured Ceramics. Micromachines, 2022, 13, 175.	2.9	4
3	Effect of template amounts on the orientation degree and electrical properties of lead-free piezoelectric textured KNN-based ceramics. Journal of Applied Physics, 2022, 131, .	2.5	6
4	Enhanced energy storage properties of Sr(Ti _{0.5} Zr _{0.5}) _{1-x} (Tf ₅) _x (0.0 ≤ x ≤ 0.1) relaxor ferroelectric single crystals. Journal of Applied Physics, 2022, 131, 11492-11500.	4.5	10
5	Irreversible domain evolutions and formation mechanism of relaxor ferroelectric 0.91PZN-0.09PT single crystals. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	1
6	High piezoelectricity after field cooling AC poling in temperature stable ternary single crystals manufactured by continuous-feeding Bridgman method. Journal of Advanced Ceramics, 2022, 11, 57-65.	17.4	14
7	A Review on Alternating Current Poling for Perovskite Relaxor-PbTiO ₃ Single Crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 3037-3047.	3.0	16
8	Growth and piezoelectric properties of large sized Ca ₃ TaGa ₃ Si ₂ O ₁₄ crystals. CrystEngComm, 2021, 23, 5362-5366.	2.6	5
9	Lead-Free KNN-Based Textured Ceramics for High-Frequency Ultrasonic Transducer Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1979-1987.	3.0	22
10	Effect of MnO ₂ addition on temperature-dependent properties of tetragonal (Bi,Na)TiO ₃ ∕BaTiO ₃ thick films prepared on MgO ceramic substrates. Japanese Journal of Applied Physics, 2021, 60, SFFB04.	1.5	3
11	Effect of substrate material to the properties of screen-printed lead free (Bi _{0.5} Na _{0.5})TiO ₃ -based thick films. Japanese Journal of Applied Physics, 2020, 59, 025502.	1.5	2
12	Effects of MnO ₂ addition on the electrical properties of lead-free textured potassium sodium niobate-based ceramics. Ferroelectrics, 2019, 553, 51-59.	0.6	1
13	The high piezoelectric properties and high temperature stability in Mn doped Pb(Mg _{0.5} W _{0.5})O ₃ -Pb(Zr,Ti)O ₃ ceramics. Ceramics International, 2019, 45, 6523-6527.	4.8	16
14	Large Piezoelectric Strain with Superior Thermal Stability and Excellent Fatigue Resistance of Lead-Free Potassium Sodium Niobate-Based Grain Orientation-Controlled Ceramics. ACS Applied Materials & Interfaces, 2018, 10, 10220-10226.	8.0	51
15	Preparation of Plate-Like Sodium Niobate Particles by Hydrothermal Method. Journal of the American Ceramic Society, 2015, 98, 654-658.	3.8	8
16	Preparation of Morphology-Controlled Plate-Like Sodium Niobate Particles by Hydrothermal Synthesis. Journal of the American Ceramic Society, 2015, 98, 1668-1672.	3.8	6
17	Morphotropic Phase Boundary Slope of (K,Na,Li)NbO ₃ ∕BaZrO ₃ Binary System Adjusted Using Third Component (Bi,Na)TiO ₃ Additive. Japanese Journal of Applied Physics, 2013, 52, 09KD11.	1.5	60
18	Two-Step Synthesis of Platelike Potassium Sodium Niobate Template Particles by Hydrothermal Method. Journal of the American Ceramic Society, 2013, 96, 2515-2518.	3.8	21

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19	Preparation of plate-like potassium sodium niobate particles by hydrothermal method. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1052-1055.	1.8	17
20	Microstructure and Piezoelectric Properties of $(K_{0.5}Na_{0.5})NbO_3$ -BaTiO ₃ Lead-Free Piezoelectric Ceramics Modified by B_2O_3 -CuO. Journal of the American Ceramic Society, 2010, 93, 3823-3827.	3.8	26
21	Piezoelectric properties of modified $(K_{0.5}Na_{0.5})NbO_3$ -BaTiO ₃ ceramics with the mixture sintering aids of B_2O_3 - CaO . , 2010, , .		0
22	Preparation of $K_3Li_2Nb_5O_{15}$ thin films. , 2009, , .		0
23	Scaling effects of ferroelectric nanoparticles studied by synchrotron radiation X-ray diffraction. , 2009, , .		0
24	Zero Temperature Compensated Microwave Dielectric Properties of $Ca_{0.8}Sr_{0.2}TiO_3$ - $Li_{0.5}Ln_{0.5}TiO_3$ System. Ferroelectrics, 2009, 378, 1-7.		3
25	Growth of Potassium Sodium Lithium Niobate-Tantalate Single Crystals for Piezoelectric Applications. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
26	Growth of Substituted Langasite-Type $Ca_3NbGa_3Si_2O_{14}$ Single Crystals, and Their Dielectric, Elastic and Piezoelectric Properties. Ferroelectrics, 2003, 286, 43-48.	0.6	15
27	Growth of Langasite Family Compounds for Bulk and Saw Applications. Ferroelectrics, 2002, 273, 89-94.	0.6	8
28	Piezoelectric properties of potassium lithium niobate single crystals. Ferroelectrics, 2001, 262, 257-262.	0.6	6
29	Research on shear stress of electrorheological fluid containing piezoelectric powders. Journal of Intelligent Material Systems and Structures, 0, , 1045389X2110482.	2.5	0