

Yi Quan

List of Publications by Year in descending order

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papers

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184
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#	ARTICLE	IF	CITATIONS
1	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
2	0.36BiScO ₃ -0.64PbTiO ₃ piezoelectric ceramics for high temperature ultrasonic transducer applications. Journal of Alloys and Compounds, 2018, 743, 365-371.	5.5	28
3	Achieving high piezoelectric performances with enhanced domain-wall contributions in Sm-textured Sm-modified PMN-29PT ceramics. Journal of the European Ceramic Society, 2021, 41, 2458-2464.	5.7	26
4	0.36BiScO ₃ -0.64PbTiO ₃ /Epoxy 1â€³ Composite for Ultrasonic Transducer Applications. IEEE Sensors Journal, 2018, 18, 5685-5690.	4.7	25
5	Evolution of mesoscopic domain structure and macroscopic properties in lead-free Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ferroelectric ceramics. Journal of Applied Physics, 2021, 129, .	2.5	23
6	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
7	Highly heterogeneous epitaxy of flexoelectric BaTiO ₃ -Î membrane on Ge. Nature Communications, 2022, 13, .	12.8	22
8	High Frequency Needle Ultrasonic Transducers Based on Lead-Free Co Doped Na _{0.5} Bi _{4.5} Ti ₄ O ₁₅ Piezo-Ceramics. Micromachines, 2018, 9, 291.	2.9	18
9	A Review of UltraHigh Frequency Ultrasonic Transducers. Frontiers in Materials, 2022, 8, .	2.4	11
10	Fabrication and Characterization of High-Frequency Ultrasound Transducers Based on Lead-Free BNT-BT Tape-Casting Thick Film. Sensors, 2018, 18, 3166.	3.8	9
11	Giant strain responses and relaxor characteristics in lead-free (Bi _{0.5} Na _{0.5})TiO ₃ -BaZrO ₃ ferroelectric thin films. Journal of Materials Chemistry C, 2022, 10, 7449-7459.	5.5	8
12	High-Frequency 0.36BiScO ₃ -0.64PbTiO ₃ Ultrasonic Transducer for High-Temperature Imaging Application. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 761-768.	3.0	7
13	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
14	Single-Beam Acoustic Tweezer Prepared by Lead-Free KNN-Based Textured Ceramics. Micromachines, 2022, 13, 175.	2.9	4
15	Enhanced Electrical Properties of Lead-Free Piezoelectric KNLN-BZ-BNT Ceramics With the Modification of Sm ³⁺ Ions. Frontiers in Materials, 2021, 8, .	2.4	2
16	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
17	Establishment and Verification of Neural Network for Rapid and Accurate Cytological Examination of Four Types of Cerebrospinal Fluid Cells. Frontiers in Medicine, 2021, 8, 749146.	2.6	0