

Myang Hwan Lee

List of Publications by Year in descending order

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971
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#	ARTICLE	IF	CITATIONS
1	Ultrahigh piezoelectric strain in lead-free BiFeO ₃ -BaTiO ₃ ceramics at elevated temperature. Journal of Alloys and Compounds, 2022, 919, 165744.	5.5	12
2	Temperature-insensitive piezoelectric properties of lead-free BiFeO ₃ -BaTiO ₃ ceramics with high Curie temperature. Journal of Alloys and Compounds, 2021, 851, 156788.	5.5	35
3	Role of Bi chemical pressure on electrical properties of BiFeO ₃ -BaTiO ₃ -based ceramics. Solid State Sciences, 2021, 114, 106562.	3.2	29
4	Effect of heat-treatment mechanism on structural and electromechanical properties of eco-friendly (Bi, Ba)(Fe, Ti)O ₃ piezoceramics. Journal of Materials Science, 2021, 56, 13198-13214.	3.7	19
5	Ferroelectric and Piezoelectric Properties of BiFeO ₃ -Based Piezoelectric Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900984.	1.8	15
6	Phase evolution and origin of the high piezoelectric properties in lead-free BiFeO ₃ -BaTiO ₃ ceramics. Ceramics International, 2020, 46, 22239-22252.	4.8	48
7	Enhanced Electromechanical Properties of 0.65Bi _{1.05} FeO ₃ -0.35BaTiO ₃ Ceramics through Optimizing Sintering Conditions. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900970.	1.8	10
8	Effect of sintering temperature on the electrical properties of pristine BF-35BT piezoelectric ceramics. Journal of the Korean Ceramic Society, 2020, 57, 290-295.	2.3	16
9	Thermal Quenching Effects on the Ferroelectric and Piezoelectric Properties of BiFeO ₃ -BaTiO ₃ Ceramics. ACS Applied Electronic Materials, 2019, 1, 1772-1780.	4.3	79
10	Effects of cooling rate on the electrical properties of Pb-free BF-BT ceramics. Ferroelectrics, 2019, 553, 76-82.	0.6	7
11	Effects of B-Site Donor Modification on the Crystal Structure and the Electrical Properties of Lead-Free 0.65BiFeO ₃ -0.35BaTiO ₃ Ceramics. Journal of the Korean Physical Society, 2019, 75, 811-816.	0.7	10
12	Lead-free high performance Bi(Zn _{0.5} Ti _{0.5})O ₃ -modified BiFeO ₃ -BaTiO ₃ piezoceramics. Journal of the European Ceramic Society, 2018, 38, 4414-4421.	5.7	68
13	Effects of forming pressure on the piezoelectric property of lead-free 0.67BiFeO ₃ -0.33BaTiO ₃ ceramics. Journal of the Korean Physical Society, 2016, 68, 1445-1449.	0.7	1
14	Effect of annealing temperature and layer thickness on the opto-electrical properties of transparent conducting Zn/SnO ₂ /Zn multilayer thin films. Journal of the Korean Physical Society, 2016, 68, 154-158.	0.7	0
15	High-Performance Lead-Free Piezoceramics with High Curie Temperatures. Advanced Materials, 2015, 27, 6976-6982.	21.0	428
16	Annealing time dependent structural, morphological, optical and electrical properties of RF sputtered p-type transparent conducting SnO ₂ /Al/SnO ₂ thin films. Transactions of Nonferrous Metals Society of China, 2014, 24, s129-s133.	4.2	2
17	Flexoelectric Effect in the Reversal of Self-Polarization and Associated Changes in the Electronic Functional Properties of BiFeO ₃ Thin Films. Advanced Materials, 2013, 25, 5643-5649.	21.0	133