Myang Hwan Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1327920/publications.pdf

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17	912	840776 11	940533 16
papers	citations	h-index	g-index

17	17	17	971
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highâ€Performance Leadâ€Free Piezoceramics with High Curie Temperatures. Advanced Materials, 2015, 27, 6976-6982.	21.0	428
2	Flexoelectric Effect in the Reversal of Selfâ€Polarization and Associated Changes in the Electronic Functional Properties of BiFeO₃ Thin Films. Advanced Materials, 2013, 25, 5643-5649.	21.0	133
3	Thermal Quenching Effects on the Ferroelectric and Piezoelectric Properties of BiFeO₃â€“BaTiO₃ Ceramics. ACS Applied Electronic Materials, 2019, 1, 1772-1780.	4.3	79
4	Lead-free high performance Bi(Zn0.5Ti0.5)O3-modified BiFeO3-BaTiO3 piezoceramics. Journal of the European Ceramic Society, 2018, 38, 4414-4421.	5.7	68
5	Phase evolution and origin of the high piezoelectric properties in lead-free BiFeO3â€“BaTiO3 ceramics. Ceramics International, 2020, 46, 22239-22252.	4.8	48
6	Temperature-insensitive piezoelectric properties of lead-free BiFeO3â€“BaTiO3 ceramics with high Curie temperature. Journal of Alloys and Compounds, 2021, 851, 156788.	5.5	35
7	Role of Bi chemical pressure on electrical properties of BiFeO3â€“BaTiO3â€“based ceramics. Solid State Sciences, 2021, 114, 106562.	3.2	29
8	Effect of heat-treatment mechanism on structural and electromechanical properties of eco-friendly (Bi, Ba)(Fe, Ti)O3 piezoceramics. Journal of Materials Science, 2021, 56, 13198-13214.	3.7	19
9	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
10	Ferroelectric and Piezoelectric Properties of BiFeO₃â€Based Piezoelectric Ceramics. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900984.	1.8	15
11	Ultrahigh piezoelectric strain in lead-free BiFeO3-BaTiO3 ceramics at elevated temperature. Journal of Alloys and Compounds, 2022, 919, 165744.	5.5	12
12	Effects of B-Site Donor Modification on the Crystal Structure and the Electrical Properties of Lead-Free 0.65BiFeO3-0.35BaTiO3 Ceramics. Journal of the Korean Physical Society, 2019, 75, 811-816.	0.7	10
13	Enhanced Electromechanical Properties of 0.65Bi_{1.05}FeO₃â€“0.35BaTiO₃ Ceramics through Optimizing Sintering Conditions. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900970.	1.8	10
14	Effects of cooling rate on the electrical properties of Pb-free BF-BT ceramics. Ferroelectrics, 2019, 553, 76-82.	0.6	7
15	Annealing time dependent structural, morphological, optical and electrical properties of RF sputtered p-type transparent conducting SnO2/Al/SnO2 thin films. Transactions of Nonferrous Metals Society of China, 2014, 24, s129-s133.	4.2	2
16	Effects of forming pressure on the piezoelectric property of lead-free 0.67BiFeO3-0.33BaTiO3 ceramics. Journal of the Korean Physical Society, 2016, 68, 1445-1449.	0.7	1
17	Effect of annealing temperature and layer thickness on the opto-electrical properties of transparent conducting Zn/SnO2/Zn multilayer thin films. Journal of the Korean Physical Society, 2016, 68, 154-158.	0.7	0