

Jamil Ur Rahman

List of Publications by Year in descending order

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papers

564
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840776

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21
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651
citing authors

#	ARTICLE	IF	CITATIONS
1	Low temperature sintering and dielectric properties of $\text{LaAlO}_3/\text{BaSnO}_3$ -based microwave dielectrics. <i>Advances in Applied Ceramics</i> , 2022, 121, 101-108.	1.1	2
2	Energy storage and piezoelectric properties of lead-free SrTiO_3 -modified $0.965\text{Bi}_2\text{O}_3\text{Na}_2\text{O} \cdot 0.035\text{BaTiO}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10712-10725.	2.2	1
3	Effect of heat-treatment mechanism on structural and electromechanical properties of eco-friendly $(\text{Bi}, \text{Ba})(\text{Fe}, \text{Ti})\text{O}_3$ piezoceramics. <i>Journal of Materials Science</i> , 2021, 56, 13198-13214.	3.7	19
4	Enhanced Electromechanical Properties of $0.65\text{Bi}_{1-x}\text{Fe}_x\text{O}_3/0.35\text{BaTiO}_3$ Ceramics through Optimizing Sintering Conditions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900970.	1.8	10
5	Effect of sintering temperature on the electrical properties of pristine BF-35BT piezoelectric ceramics. <i>Journal of the Korean Ceramic Society</i> , 2020, 57, 290-295.	2.3	16
6	Grain Boundary Interfaces Controlled by Reduced Graphene Oxide in Nonstoichiometric SrTiO_3 - PbTe Thermoelectrics. <i>Scientific Reports</i> , 2019, 9, 8624.	3.3	50
7	Effects of cooling rate on the electrical properties of Pb-free BF-BT ceramics. <i>Ferroelectrics</i> , 2019, 553, 76-82.	0.6	7
8	Effects of B-Site Donor Modification on the Crystal Structure and the Electrical Properties of Lead-Free $0.65\text{BiFeO}_3\text{-}0.35\text{BaTiO}_3$ Ceramics. <i>Journal of the Korean Physical Society</i> , 2019, 75, 811-816.	0.7	10
9	Coral-like iron particles synthesized by morphology controllable reduction process. <i>Ceramics International</i> , 2018, 44, 5359-5364.	4.8	3
10	Electromechanical properties of ternary $\text{BiFeO}_3\text{-}0.35\text{BaTiO}_3\text{-}0.35\text{BiGaO}_3$ piezoelectric ceramics. <i>Journal of Electroceramics</i> , 2018, 41, 93-98.	2.0	18
11	The Synthesis and Thermoelectric Properties of p-Type Li_xNbO_2 -Based Compounds. <i>Journal of Electronic Materials</i> , 2017, 46, 1740-1746.	2.2	9
12	Localized double phonon scattering and DOS induced thermoelectric enhancement of degenerate nonstoichiometric Li_xNbO_2 compounds. <i>RSC Advances</i> , 2017, 7, 53255-53264.	3.6	10
13	Property-processing relations in developing thermoelectric ceramics: $\text{Na}_x\text{Co}_2\text{O}_4$. <i>Journal of Materials Science</i> , 2011, 46, 2064-2070.	3.7	7
14	Thermoelectric power factor enhancement of textured ferroelectric $\text{Sr}_{1-x}\text{Ba}_x\text{Nb}_2\text{O}_6$ ceramics. <i>Journal of Materials Research</i> , 2011, 26, 26-30.	2.6	48
15	$\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$ Ferroelectric-thermoelectrics: Crystal anisotropy, conduction mechanism, and power factor. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	80
16	Factors Limiting Equilibrium in Fabricating a Simple Ferroelectric Oxide: BaTiO_3 . <i>Journal of the American Ceramic Society</i> , 2009, 92, 222-228.	3.8	12
17	Resistance Degradation in $\text{Y}(\text{Cr}, \text{Mn})\text{O}_3/\text{Y}_2\text{O}_3$ Composite NTC Ceramics in Hostile Environments. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2634-2641.	3.8	33
18	Thermopower in highly reduced n-type ferroelectric and related perovskite oxides and the role of heterogeneous nonstoichiometry. <i>Physical Review B</i> , 2009, 79, .	3.2	68

#	ARTICLE	IF	CITATIONS
19	Comprehensive Linkage of Defect and Phase Equilibria through Ferroelectric Transition Behavior in BaTiO ₃ -Based Dielectrics: Part 1. Defect Energies Under Ambient Air Conditions. Journal of the American Ceramic Society, 2008, 91, 1748-1752.	3.8	25
20	Comprehensive Linkage of Defect and Phase Equilibria Through Ferroelectric Transition Behavior in BaTiO ₃ -Based Dielectrics: Part 2. Defect Modeling Under Low Oxygen Partial Pressure Conditions. Journal of the American Ceramic Society, 2008, 91, 1753-1761.	3.8	28
21	Modified Phase Diagram for the Barium Oxide-Titanium Dioxide System for the Ferroelectric Barium Titanate. Journal of the American Ceramic Society, 2007, 90, 2589-2594.	3.8	108