Jamil Ur Rahman

List of Publications by Year
in descending order

21	564	840776 11	713466 21
papers	citations	h-index	g-index

21	21	21	651
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Sr x Ba 1 â^' x Nb 2 O 6 â^' Î´ Ferroelectric-thermoelectrics: Crystal anisotropy, conduction mechanism, and power factor. Applied Physics Letters, 2010, 96, .	3.3	80
3	Thermopower in highly reducedn-type ferroelectric and related perovskite oxides and the role of heterogeneous nonstoichiometry. Physical Review B, 2009, 79, .	3.2	68
4	Grain Boundary Interfaces Controlled by Reduced Graphene Oxide in Nonstoichiometric SrTiO3-Î´ Thermoelectrics. Scientific Reports, 2019, 9, 8624.	3.3	50
5	Thermoelectric power factor enhancement of textured ferroelectric Sr_xBa_{1â€“x}Nb₂O_{6â€“Î´}ceramics. Journal of Materials Research, 2011, 26, 26-30.	2.6	48
6	Resistance Degradation in Y(Cr,Mn)O₃â€“Y₂O₃ Composite NTC Ceramics in Hostile Environments. Journal of the American Ceramic Society, 2009, 92, 2634-2641.	3.8	33
7	Comprehensive Linkage of Defect and Phase Equilibria Through Ferroelectric Transition Behavior in BaTiO3-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
8	Comprehensive Linkage of Defect and Phase Equilibria through Ferroelectric Transition Behavior in BaTiO₃â€Based Dielectrics: Part 1. Defect Energies Under Ambient Air Conditions. Journal of the American Ceramic Society, 2008, 91, 1748-1752.	3.8	25
9	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
10	Electromechanical properties of ternary BiFeO3â^'0.35BaTiO3â€“BiGaO3 piezoelectric ceramics. Journal of Electroceramics, 2018, 41, 93-98.	2.0	18
11	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
12	Factors Limiting Equilibrium in Fabricating a Simple Ferroelectric Oxide: BaTiO₃. Journal of the American Ceramic Society, 2009, 92, 222-228.	3.8	12
13	Localized double phonon scattering and DOS induced thermoelectric enhancement of degenerate nonstoichiometric Li_{1â^'x}NbO₂ compounds. RSC Advances, 2017, 7, 53255-53264.	3.6	10
14	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
15	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
16	The Synthesis and Thermoelectric Properties of p-Type Li1â^'x NbO2-Based Compounds. Journal of Electronic Materials, 2017, 46, 1740-1746.	2.2	9
17	Property-processing relations in developing thermoelectric ceramics: Na1â^'x Co2O4. Journal of Materials Science, 2011, 46, 2064-2070.	3.7	7
18	Effects of cooling rate on the electrical properties of Pb-free BF-BT ceramics. Ferroelectrics, 2019, 553, 76-82.	0.6	7

#	Article	IF	Citations
19	Coral-like iron particles synthesized by morphology controllable reduction process. Ceramics International, 2018, 44, 5359-5364.	4.8	3
20	Low temperature sintering and dielectric properties of LaAlO₃â€“BaSnO₃-based microwave dielectrics. Advances in Applied Ceramics, 2022, 121, 101-108.	1.1	2
21	Energy storage and piezoelectric properties of leadâ€free SrTiO3-modified 0.965Bi0.5Na0.5TiO3â€“0.035BaTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 10712-10725.	2.2	1