

Ghulam Jaffari

List of Publications by Year in descending order

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papers

473
citations

933447

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Model-based quantification of inter-/intra-grain electrical parameters, hopping polydispersivity, and local energy barrier profile of BiFeMnO ₃ synthesized by different methods. Journal of Physics and Chemistry of Solids, 2022, 160, 110334.	4.0	4
2	Solution processing of morphotropic phase boundary BiFeO ₃ -xPbTiO ₃ thin films with reduced conductivity for high room temperature switchable polarization. Journal of the American Ceramic Society, 2022, 105, 888-900.	3.8	3
3	Relaxation dynamics associated with the multiple polymorphic phase transitions in morphotropic phase boundaries BiScO ₃ -PbTiO ₃ solid solutions. Scripta Materialia, 2021, 190, 174-178.	5.2	2
4	Identification and comparison of peculiarities in physical properties of multiferroic morphotropic phase boundary sintered BiFeO ₃ -xPbTiO ₃ nano-ceramics. Journal of Physics and Chemistry of Solids, 2021, 150, 109868.	4.0	3
5	Photoinduced Fabrication of Zinc Oxide Nanoparticles: Transformation of Morphological and Biological Response on Light Irradiance. ACS Omega, 2021, 6, 11783-11793.	3.5	42
6	Identification of the consequences of Pb-O chemical bond modification, Pb lone pair and Pb volatilization on the intrinsic and extrinsic physical properties of Ba _{1-x} Pb _x TiO ₃ (x=0.5). Journal of Alloys and Compounds, 2021, 865, 158977.	5.5	2
7	Magnetoelectric features in the magnetic hysteresis of modified multiferroic BiFeO ₃ : Release of latent magnetization induced by cationic modification. Journal of Magnetism and Magnetic Materials, 2021, 537, 168198.	2.3	1
8	Model-based analysis of the ferroelectric response of multiferroic (1-x)BiFeO ₃ -xPbTiO ₃ solid solution thin films around morphotropic phase boundary.. Thin Solid Films, 2021, 741, 138995.	1.8	0
9	Role of morphology, crystal orientation and stoichiometry in the electrical response of perovskite EuTiO ₃ ceramics. Journal of the European Ceramic Society, 2020, 40, 1250-1257.	5.7	4
10	Interplay between ferroelectric and quantum paraelectric instabilities in Eu _{0.7} Ba _{0.3} TiO ₃ Perovskite oxide: Defect dipoles and ferroelectric instability induced by oxygen vacancies. Journal of Applied Physics, 2020, 128, 014104.	2.5	2
11	Manipulation of dielectric, ferroelectric and magnetic anomalies in multiferroic, morphotropic phase boundary quenched BiFeO ₃ -0.35PbTiO ₃ solid solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125835.	2.1	7
12	Electrical response of mixed phase (1-x)BiFeO ₃ -xPbTiO ₃ solid solution: Role of tetragonal phase and tetragonality. Journal of Alloys and Compounds, 2019, 786, 98-108.	5.5	12
13	Effect of stoichiometry on electrical response and polydispersivity related to hopping polarization in EuTiO ₃ . Journal of Applied Physics, 2019, 125, 114102.	2.5	2
14	Morphology and optical studies of Cr doped TiO ₂ and Mixed-Halide Perovskite coated rutile TiO ₂ nanorods. Journal of Alloys and Compounds, 2019, 773, 1154-1164.	5.5	15
15	Effect of Cr-N codoping on structural phase transition, Raman modes, and optical properties of TiO ₂ nanoparticles. Journal of Applied Physics, 2018, 123, .	2.5	9
16	Correlation between ionic size and valence state of tetra, penta and hexavalent B-site substitution with solubility limit, phase transformation and multiferroic properties of Bi _{0.875} Eu _{0.125} FeO ₃ . Physica B: Condensed Matter, 2018, 538, 213-224.	2.7	16
17	Effects of dopant induced defects on structural, multiferroic and optical properties of Bi _{1-x} Pb _x FeO ₃ (0 ≤ x ≤ 0.3) ceramics. Materials Research Express, 2018, 5, 016103.	1.6	5
18	Peculiar magnetism in Eu substituted BiFeO ₃ and its correlation with local structure. Journal of Physics Condensed Matter, 2018, 30, 435802.	1.8	12

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19	Formation of multiferroic PbTiO ₃ /PbFe ₁₂ O ₁₉ composite by exceeding the solubility limit of Fe in PbTiO ₃ . <i>Physica B: Condensed Matter</i> , 2017, 520, 139-147.	2.7	5
20	Relaxation dynamics and polydispersivity associated with defects and ferroelectric correlations in Ba-doped EuTiO ₃ . <i>Journal of Physics Condensed Matter</i> , 2017, 29, 465402.	1.8	6
21	Anomalous temperature dependence of magnetic coercivity and structure property correlations in Bi _{0.75} A _{0.25} FeO ₃ (A = Sr, Pb, and Ba) system. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9451-9464.	5.5	27
22	Study of Surface-Active Modes and Defects in Single-Phase Li-Incorporated MgO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28182-28189.	3.1	25
23	Correlation between structure, oxygen content and the multiferroic properties of Sr doped BiFeO ₃ . <i>Journal of Alloys and Compounds</i> , 2015, 622, 8-16.	5.5	86
24	Development of ferroelectric correlations in the quantum paraelectric and antiferrodistortive regimes in Ba _x Sr _{1-x} TiO ₃ (0.10). <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	6
25	Dynamic Response in Ba _{1-x} Sr _x TiO ₄ and Anomalous Behavior at the Phase Boundary Composition. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3177-3183.	3.8	4
26	Carrier concentration dependence of ferroelectric transition in multiferroic Li doped and Li-Co co-doped ZnO nanoparticles. <i>Applied Physics Letters</i> , 2014, 104, 222906.	3.3	9
27	Size and Lone Pair Effects on the Multiferroic Properties of Bi _{0.75} A _{0.25} FeO ₃ (A = Sr, Pb, and Ba) Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3141-3148.	4.3	13
28	Magnetic and transport properties of Co ₂ Mn _{1-x} CrxSi Heusler alloy thin films. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	10
29	Comparative surface studies of oxygen passivated FeCo nanoparticles and thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 306-310.	1.8	3
30	Ferromagnetism in Li doped ZnO nanoparticles: The role of interstitial Li. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	106
31	Structural and electrical response of poly(vinylidene fluoride-co-chlorotrifluoroethylene) copolymer free-standing films. <i>Polymer International</i> , 0, , .	3.1	1