

Ghulam Jaffari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3571836/publications.pdf>

Version: 2024-02-01

31
papers

473
citations

933447

10
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferromagnetism in Li doped ZnO nanoparticles: The role of interstitial Li. Journal of Applied Physics, 2012, 112, .	2.5	106
2	Correlation between structure, oxygen content and the multiferroic properties of Sr doped BiFeO ₃ . Journal of Alloys and Compounds, 2015, 622, 8-16.	5.5	86
3	Size and Lone Pair Effects on the Multiferroic Properties of Bi _{0.75} A _{0.25} FeO ₃ (A = Sr, Pb, and Ba) Ceramics. Journal of the American Ceramic Society, 2013, 96, 3141-3148.	4.3	43
4	Photoinduced Fabrication of Zinc Oxide Nanoparticles: Transformation of Morphological and Biological Response on Light Irradiance. ACS Omega, 2021, 6, 11783-11793.	3.5	42
5	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. Journal of Materials Chemistry C, 2017, 5, 9451-9464.	5.5	27
6	Study of Surface-Active Modes and Defects in Single-Phase Li-Incorporated MgO Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 28182-28189.	3.1	25
7	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
8	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
9	Peculiar magnetism in Eu substituted BiFeO ₃ and its correlation with local structure. Journal of Physics Condensed Matter, 2018, 30, 435802.	1.8	12
10	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
11	Magnetic and transport properties of Co ₂ Mn _{1-x} CrxSi Heusler alloy thin films. Journal of Applied Physics, 2013, 114, .	2.5	10
12	Carrier concentration dependence of ferroelectric transition in multiferroic Li doped and Li-Co co-doped ZnO nanoparticles. Applied Physics Letters, 2014, 104, 222906.	3.3	9
13	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
14	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
15	Development of ferroelectric correlations in the quantum paraelectric and antiferrodistortive regimes in BaxSr _{1-x} TiO ₃ (x = 0.10). Journal of Applied Physics, 2014, 116, .	2.5	6
16	Relaxation dynamics and polydispersivity associated with defects and ferroelectric correlations in Ba-doped EuTiO ₃ . Journal of Physics Condensed Matter, 2017, 29, 465402.	1.8	6
17	Formation of multiferroic PbTiO ₃ /PbFe ₁₂ O ₁₉ composite by exceeding the solubility limit of Fe in PbTiO ₃ . Physica B: Condensed Matter, 2017, 520, 139-147.	2.7	5
18	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

#	ARTICLE	IF	CITATIONS
19	Dynamic Response in $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ and Anomalous Behavior at the Phase Boundary Composition. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3177-3183.	3.8	4
20	Role of morphology, crystal orientation and stoichiometry in the electrical response of perovskite EuTiO_3 ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1250-1257.	5.7	4
21	Model-based quantification of inter-/intra-grain electrical parameters, hopping polydispersivity, and local energy barrier profile of BiFeMnO_3 synthesized by different methods. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 160, 110334.	4.0	4
22	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
23	Identification and comparison of peculiarities in physical properties of multiferroic morphotropic phase boundary sintered $\text{BiFeO}_3\text{-xPbTiO}_3$ nano-ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 150, 109868.	4.0	3
24	Solution processing of morphotropic phase boundary $\text{BiFeO}_3\text{-xPbTiO}_3$ thin films with reduced conductivity for high room temperature switchable polarization. <i>Journal of the American Ceramic Society</i> , 2022, 105, 888-900.	3.8	3
25	Effect of stoichiometry on electrical response and polydispersivity related to hopping polarization in EuTiO_3 . <i>Journal of Applied Physics</i> , 2019, 125, 114102.	2.5	2
26	Interplay between ferroelectric and quantum paraelectric instabilities in $\text{Eu}_{0.7}\text{Ba}_{0.3}\text{TiO}_3$ Perovskite oxide: Defect dipoles and ferroelectric instability induced by oxygen vacancies. <i>Journal of Applied Physics</i> , 2020, 128, 014104.	2.5	2
27	Relaxation dynamics associated with the multiple polymorphic phase transitions in morphotropic phase boundaries $\text{BiScO}_3\text{-PbTiO}_3$ solid solutions. <i>Scripta Materialia</i> , 2021, 190, 174-178.	5.2	2
28	Identification of the consequences of Pb-O chemical bond modification, Pb lone pair and Pb volatilization on the intrinsic and extrinsic physical properties of $\text{Ba}_{1-x}\text{Pb}_x\text{TiO}_3$ ($x \leq 0.5$). <i>Journal of Alloys and Compounds</i> , 2021, 865, 158977.	5.5	2
29	Magnetoelectric features in the magnetic hysteresis of modified multiferroic BiFeO_3 : Release of latent magnetization induced by cationic modification. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 537, 168198.	2.3	1
30	Structural and electrical response of poly(vinylidene fluoride-co-chlorotrifluoroethylene) copolymer free-standing films. <i>Polymer International</i> , 0, , .	3.1	1
31	Model-based analysis of the ferroelectric response of multiferroic $(1-x)\text{BiFeO}_3\text{-xPbTiO}_3$ solid solution thin films around morphotropic phase boundary.. <i>Thin Solid Films</i> , 2021, 741, 138995.	1.8	0