M A Zubair

List of Publications by Year
in descending order

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33	569	567281	642732
papers	citations	15 h-index	23 g-index

33	33	33	544
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effective bandgap tuning with non-trivial modulation in room temperature magnetic and electrical responses of low level Baâ€“Cr co-substituted BiFeO3 nanoparticles. Ceramics International, 2022, 48, 19583-19596.	4.8	3
2	Vacancy-Induced Temperature-Dependent Thermal and Magnetic Properties of Holmium-Substituted Bismuth Ferrite Nanoparticle Compacts. ACS Applied Materials & Interfaces, 2022, 14, 25886-25897.	8.0	4
3	Effect of processing temperature on structural, optical and frequency dependent electrical responses of solid-state sintered bismuth sodium titanate. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 274, 115474.	3.5	8
4	Carrier transport and performance limit of semi-transparent photovoltaics: CuIn1â^'xGaxSe2 as a case study. Journal of Applied Physics, 2021, 130, .	2.5	4
5	A dynamic optical constant extraction method for thin films with structural and optical-parametric justifications. Journal of Applied Physics, 2020, 128, .	2.5	3
6	Study of impedance and magnetoelectric property of lead-free xLCNZFO+(1-x)BGTDO multiferroic composites. Materials Chemistry and Physics, 2020, 255, 123575.	4.0	12
7	Piezo and pyroelectricity in spark plasma sintered potassium sodium niobate (KNN) ceramics. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1428-1432.	2.9	5
8	Investigation of magnetic and ferroelectric properties along with the magnetoelectric coupling behavior for asserting a room temperature bi-phase composite as multiferroics. Journal of Electroceramics, 2020, 45, 56.	2.0	1
9	Amorphous interface oxide formed due to high amount of Sm doping (5â€“20Âmol%) stabilizes finer size anatase and lowers indirect band gap. Applied Surface Science, 2020, 529, 146967.	6.1	4
10	An experimental insight of the multiferroic properties of magnetoelectrically coupled xLNCZFO+(1â^'x)BSTDO composites. Journal of Magnetism and Magnetic Materials, 2020, 502, 166449.	2.3	17
11	Low temperature synthesis of Î±- and Î²-phase Bi2O3 thin film via B doping: tailoring optical band gap and n- to p-type Bi2O3. Journal of Materials Science: Materials in Electronics, 2019, 30, 15670-15682.	2.2	8
12	Enhance magnetoelectric coupling in xLi0.1Ni0.2Mn0.6Fe2.1O4â€“(1â€‰â^'â€‰x)BiFeO3 multiferroic composites. Journal of Materials Science: Materials in Electronics, 2019, 30, 13033-13046.	2.2	16
13	Thickness dependent correlation between structural and optical properties of textured CdSe thin film. AIP Advances, 2019, 9, .	1.3	47
14	Bi0.9Ho0.1FeO3/TiO2 Composite Thin Films: Synthesis and Study of Optical, Electrical and Magnetic Properties. Scientific Reports, 2019, 9, 5205.	3.3	16
15	Influence of Fe2+/Fe3+ ions in tuning the optical band gap of SnO2 nanoparticles synthesized by TSP method: Surface morphology, structural and optical studies. Materials Science in Semiconductor Processing, 2019, 89, 223-233.	4.0	22
16	Evidence of superparamagnetism and improved electrical properties in Ba and Ta co-doped BiFeO3 ceramics. Journal of Alloys and Compounds, 2018, 735, 2584-2596.	5.5	46
17	Crystal Size and Strain Estimation of 10% Cu doped ZnO Nanoparticles using X-ray Diffraction Data. , 2018, , .		2
18	Structural, electrical, magnetic and magnetoelectric properties of (1â^'y) [Ba 0.6â^'x Ca x Sr 0.4 Zr 0.25 Ti 0.75 O 3]Â+Â(y) [(Li 0.5 Fe 0.5) 0.4 Ni 0.18 Cu 0.12 Zn 0.3 Fe 2 O 4] composites. Journal of Alloys and Compounds, 2017, 698, 341-356.	5.5	19

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19	Modulation of structural, electrical, and magnetic features with dilute Zr substitution in Bi0.8La0.2Fe1-xZrxO3 system. Journal of Applied Physics, 2017, 122, .	2.5	12
20	Optical and structural characterization of ZnSe thin film fabricated by thermal vapour deposition technique. AIMS Materials Science, 2017, 4, 1095-1121.	1.4	29
21	Structural transition and its effect in La, Zr co-substituted mono-domain BiFeO3. Journal of Applied Physics, 2016, 120, 214106.	2.5	19
22	Size dependent magnetic and electrical properties of Ba-doped nanocrystalline BiFeO3. AIP Advances, 2016, 6, .	1.3	49
23	Correlation of charge defects and morphology with magnetic and electrical properties of Sr and Ta codoped BiFeO3. Journal of Alloys and Compounds, 2016, 688, 1186-1194.	5.5	35
24	Saturation magnetization and band gap tuning in BiFeO3 nanoparticles via co-substitution of Gd and Mn. Journal of Alloys and Compounds, 2016, 687, 701-706.	5.5	72
25	Bulk response and grain boundary microelectrical activity of high TC BaTiO3â€“(Bi1/2K1/2)TiO3-based positive temperature coefficient of resistance ceramics. Journal of Materials Research, 2013, 28, 2946-2959.	2.6	4
26	Microstructural and electrical property evolution in an acceptor-dopant free positive temperature coefficient thermistor. Materials Science in Semiconductor Processing, 2012, 15, 47-51.	4.0	3
27	The effect of SiO2 addition on the development of low-Î£ grain boundaries in PTC thermistors. Journal of the European Ceramic Society, 2010, 30, 107-112.	5.7	22
28	Fabrication and positive temperature coefficient of resistivity properties of semiconducting ceramics based on the BaTiO3â€“(Bi1/2K1/2)TiO3 system. Journal of the European Ceramic Society, 2010, 30, 555-559.	5.7	30
29	The influence of cooling rate and SiO2 additions on the grain boundary structure of Mn-doped PTC thermistors. Journal of the European Ceramic Society, 2008, 28, 1845-1855.	5.7	31
30	The effect of SiO2 addition and measurement temperature on the high-field electrical behavior of BaTiO3-based positive temperature coefficient thermistors. Journal of Applied Physics, 2008, 104, 103711.	2.5	9
31	Modeling the effect of SiO2 additions and cooling rate on the electrical behavior of donor-acceptor codoped positive temperature coefficient thermistors. Journal of Applied Physics, 2008, 103, 123713.	2.5	7
32	Modeling the resistance-temperature characteristic of a positive temperature coefficient thermistor, using experimentally determined permittivity data. Applied Physics Letters, 2007, 91, .	3.3	10
33	Silica Additions and the Performance of PTC Thermistors. Advances in Science and Technology, 2006, 45, 2362-2370.	0.2	0