

Giridharan Nambi Venkatesan

List of Publications by Year in descending order

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papers

451
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933447

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42
all docs

42
docs citations

42
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, optical, and multiferroic properties of single phased BiFeO ₃ . Applied Physics A: Materials Science and Processing, 2014, 114, 853-859.	2.3	68
2	Synthesis of nanosized BiFeO ₃ powders by co-precipitation method. Journal of Experimental Nanoscience, 2013, 8, 341-346.	2.4	61
3	Effect of samarium doping on the structural, optical and magnetic properties of sol-gel processed BiFeO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 49-58.	2.2	36
4	Effect of Tb substitution on structural, optical, electrical and magnetic properties of BiFeO ₃ . Journal of Materials Science: Materials in Electronics, 2015, 26, 3827-3839.	2.2	32
5	Enhanced photocatalytic activity of hydrothermally grown BiFeO ₃ nanostructures and role of catalyst recyclability in photocatalysis based on magnetic framework. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	29
6	Effect of annealing time in the low-temperature growth of BFO thin films spin coated on glass substrates. Journal of Materials Science: Materials in Electronics, 2013, 24, 4148-4154.	2.2	20
7	Compositionally driven giant strain and electrostrictive co-efficient in lead free NBT-BT-BFO system. Applied Physics Letters, 2018, 112, .	3.3	20
8	Influence of transition metal ion Ni ²⁺ on optical, electrical, magnetic and antibacterial properties of phyto-synthesized CuO nanostructure. Optical and Quantum Electronics, 2018, 50, 1.	3.3	20
9	Built-in Electric Field Assisted Photocatalytic Dye Degradation and Photoelectrochemical Water Splitting of Ferroelectric Ce Doped BaTiO ₃ Nanoassemblies. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	18
10	Investigations on the structural, multiferroic, and magnetoelectric properties of Ba _{1-x} Ce _x TiO ₃ particles. Journal of Applied Physics, 2018, 123, .	2.5	16
11	Structural, dielectric and magnetic properties of K _{0.5} Na _{0.5} NbO ₃ and K _{0.5} Na _{0.5} Nb _{0.975} Co _{0.025} O ₃ lead free ceramics. Ferroelectrics, 2017, 518, 52-58.	0.6	11
12	The Effect of a 0.5 T Magnetic Field on the Photocatalytic Activity of Recyclable Nd-modified BiFeO ₃ Magnetic Catalysts. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	10
13	Studies on multiferroic properties of single phasic Bi _{0.85} Ho _{0.05} Sm _{0.1} FeO ₃ ceramics. International Journal of Modern Physics B, 2018, 32, 1850277.	2.0	10
14	Structure, morphology and magnetodielectric investigations of BaTi _{1-x} FexO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5706-5717.	2.2	10
15	Enhanced electrical properties of PZT thick films prepared by sol-gel technique through step-by-step crystallization process. Journal of Materials Science: Materials in Electronics, 2012, 23, 1103-1107.	2.2	9
16	Study of room-temperature magnetoelectric coupling in (1-x)BaTiO ₃ and (x)NiFe ₂ O ₄ multiferroic composites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
17	Enhanced electrical properties in Rb-substituted sodium bismuth titanate ceramics. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
18	Structural, optical and multiferroic properties of pure and Dy modified YMnO ₃ . Journal of Materials Science: Materials in Electronics, 2017, 28, 16788-16796.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Effect of cobalt substitution on the multiferroic characteristics of ferroelectric potassium sodium niobate (K _{0.5} Na _{0.5} NbO ₃) ceramics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
20	Effect of dopant-induced defects on structural, electrical, and enhanced ferromagnetism and magnetoelectric properties of Dy and Sr co-doped BiFeO ₃ . Journal of Materials Science: Materials in Electronics, 2019, 30, 7359-7366.	2.2	7
21	Observation of enhanced electrostrictive strain in (1-2x)Na _{0.5} Bi _{0.5} TiO ₃ -xBaTiO ₃ -xBiAlO ₃ lead-free ceramics. Sensors and Actuators A: Physical, 2020, 315, 112307.	4.1	7
22	Room temperature magnetoelectric coupling and relaxor-like multiferroic nature in a biphasic of cubic pyrochlore and spinel. Journal of Applied Physics, 2019, 126, 044103.	2.5	6
23	Composition-dependent structural, electrical, magnetic and magnetoelectric properties of (1-x)BaTiO ₃ -xCoFe ₂ O ₄ particulate composites. Bulletin of Materials Science, 2020, 43, 1.	1.7	5
24	Structural and electrical properties of bismuth magnesium titanate substituted lead-free sodium bismuth titanate ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7018-7023.	2.2	4
25	Coexistence of electric polarization and magnetic ordering in acceptor doped potassium sodium niobate (KNN) ceramics. Materials Research Express, 2018, 5, 096104.	1.6	4
26	Structure, dielectric and electrical properties of lead-free (BiFeO ₃) _{1-x} (Bi _{0.5} K _{0.5} TiO ₃) _x solid solution. Ferroelectrics, 2017, 518, 103-108.	0.6	3
27	Dissolution of four-stage to three-stage dynamic scaling behavior with stabilization of relaxor character in K _{0.5} Bi _{0.5} TiO ₃ based binary system. Physica Scripta, 2022, 97, 065809.	2.5	3
28	Substitutional effect of bismuth ferrite on the electrical properties of sodium bismuth titanate ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 407-413.	2.2	2
29	Enhanced energy storage performance and magnetocapacitance effect of polycrystalline BiFeO ₃ ceramics. Journal of the Australian Ceramic Society, 2022, 58, 539-548.	1.9	2
30	Enhanced magnetoelectric coefficients in Na _{0.5} Bi _{0.5} TiO ₃ -CoFe ₂ O ₄ particulate composites prepared from pre-sintered constituents. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	2
31	Structural, electrical and magnetic properties of Bi _{0.9} La _{0.1} Fe _{0.9} Co _{0.1} O ₃ ceramics. , 2014, , .		1
32	Structural, dielectric and magnetic studies of (x) Mg _{0.2} Cu _{0.3} Zn _{0.5} Fe ₂ O ₄ + (1-x) Ba _{0.8} Zr _{0.2} TiO ₃ magnetoelectric composites. AIP Conference Proceedings, 2016, , .	0.4	1
33	Structural, dielectric and ferroelectric studies of BZT doped Mg _{0.2} Cu _{0.3} Zn _{0.5} Fe ₂ O ₄ magnetoelectric composites. AIP Conference Proceedings, 2018, , .	0.4	1
34	On the enhancement of energy storage density in Bi _{0.9} Ho _{0.1} FeO ₃ ceramics. AIP Conference Proceedings, 2018, , .	0.4	1
35	Structural, ferroelectric and piezoelectric properties of lithium doped sodium potassium niobate. AIP Conference Proceedings, 2020, , .	0.4	1
36	Structural and multiferroic properties of YMnO ₃ ceramics synthesized by co-precipitation method. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Structural, dielectric and magnetic studies of (x) Ni _{0.7} Co _{0.1} Cu _{0.2} Fe ₂ O ₄ + (1-x) BaTiO ₃ magnetoelectric composites. AIP Conference Proceedings, 2016, , .	0.4	0
38	Coexistence of ferroelectric phases and electric field induced structural transformation in sodium potassium bismuth titanate ceramics. Journal of Applied Physics, 2018, 123, 234101.	2.5	0
39	Phase boundary and temperature driven enhanced piezoelectric and electrostrictive strain in (1~2x) Bi _{0.5} Na _{0.5} TiO _{3-x} BaTiO _{3-x} Ba _{0.7} Ca _{0.3} TiO ₃ solid solution. Journal of Applied Physics, 2021, 130, 144102.	2.5	0
40	Observation of Enhanced Unipolar Strain and Piezoelectric Charge Co-Efficient in K _{0.5} Na _{0.5} NbO ₃ Simultaneously Doped with Lithium and Antimony. Ferroelectrics, 2021, 583, 12-18.	0.6	0