

# Giridharan Nambi Venkatesan

## List of Publications by Year in descending order

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40  
papers

451  
citations

933447

10  
h-index

752698

20  
g-index

42  
all docs

42  
docs citations

42  
times ranked

655  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced energy storage performance and magnetocapacitance effect of polycrystalline BiFeO <sub>3</sub> ceramics. Journal of the Australian Ceramic Society, 2022, 58, 539-548.	1.9	2
2	Enhanced magnetoelectric coefficients in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –CoFe <sub>2</sub> O <sub>4</sub> particulate composites prepared from pre-sintered constituents. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	2
3	Dissolution of four-stage to three-stage dynamic scaling behavior with stabilization of relaxor character in K <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> based binary system. Physica Scripta, 2022, 97, 065809.	2.5	3
4	Study of room-temperature magnetoelectric coupling in (1–x)BaTiO <sub>3</sub> and (x)NiFe <sub>2</sub> O <sub>4</sub> multiferroic composites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
5	Phase boundary and temperature driven enhanced piezoelectric and electrostrictive strain in (1–2x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> –xBaTiO <sub>3</sub> –xBa <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> solid solution. Journal of Applied Physics, 2021, 130, 144102.	2.5	0
6	Observation of Enhanced Unipolar Strain and Piezoelectric Charge Co-Efficient in K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> Simultaneously Doped with Lithium and Antimony. Ferroelectrics, 2021, 583, 12-18.	0.6	0
7	Composition-dependent structural, electrical, magnetic and magnetoelectric properties of (1–x)BaTiO <sub>3</sub> –xCoFe <sub>2</sub> O <sub>4</sub> particulate composites. Bulletin of Materials Science, 2020, 43, 1.	1.7	5
8	Observation of enhanced electrostrictive strain in (1–2x)Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –xBaTiO <sub>3</sub> –xBiAlO <sub>3</sub> lead-free ceramics. Sensors and Actuators A: Physical, 2020, 315, 112307.	4.1	7
9	Structural, ferroelectric and piezoelectric properties of lithium doped sodium potassium niobate. AIP Conference Proceedings, 2020, , .	0.4	1
10	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
11	Effect of dopant-induced defects on structural, electrical, and enhanced ferromagnetism and magnetoelectric properties of Dy and Sr co-doped BiFeO <sub>3</sub> . Journal of Materials Science: Materials in Electronics, 2019, 30, 7359-7366.	2.2	7
12	Structure, morphology and magnetodielectric investigations of BaTi <sub>1–x</sub> Fe <sub>x</sub> O <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5706-5717.	2.2	10
13	Compositionally driven giant strain and electrostrictive co-efficient in lead free NBT-BT-BFO system. Applied Physics Letters, 2018, 112, .	3.3	20
14	Influence of transition metal ion Ni <sup>2+</sup> on optical, electrical, magnetic and antibacterial properties of phyto-synthesized CuO nanostructure. Optical and Quantum Electronics, 2018, 50, 1.	3.3	20
15	Effect of cobalt substitution on the multiferroic characteristics of ferroelectric potassium sodium niobate (K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> ) ceramics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	7
16	Studies on multiferroic properties of single phasic Bi <sub>0.85</sub> Ho <sub>0.05</sub> Sm <sub>0.1</sub> FeO <sub>3</sub> ceramics. International Journal of Modern Physics B, 2018, 32, 1850277.	2.0	10
17	Coexistence of electric polarization and magnetic ordering in acceptor doped potassium sodium niobate (KNN) ceramics. Materials Research Express, 2018, 5, 096104.	1.6	4
18	Investigations on the structural, multiferroic, and magnetoelectric properties of Ba <sub>1–x</sub> Ce <sub>x</sub> TiO <sub>3</sub> particles. Journal of Applied Physics, 2018, 123, .	2.5	16

#	ARTICLE	IF	CITATIONS
19	Structural, dielectric and ferroelectric studies of BZT doped Mg <sub>0.2</sub> Cu <sub>0.3</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> magnetoelectric composites. AIP Conference Proceedings, 2018, , .	0.4	1
20	On the enhancement of energy storage density in Bi <sub>0.9</sub> Ho <sub>0.1</sub> FeO <sub>3</sub> ceramics. AIP Conference Proceedings, 2018, , .	0.4	1
21	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
22	Structural, optical and multiferroic properties of pure and Dy modified YMnO <sub>3</sub> . Journal of Materials Science: Materials in Electronics, 2017, 28, 16788-16796.	2.2	7
23	Structure, dielectric and electrical properties of lead-free (BiFeO <sub>3</sub> ) <sub>1-x</sub> (Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> ) <sub>x</sub> solid solution. Ferroelectrics, 2017, 518, 103-108.	0.6	3
24	Structural, dielectric and magnetic properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> and K <sub>0.5</sub> Na <sub>0.5</sub> Nb <sub>0.975</sub> Co <sub>0.025</sub> O <sub>3</sub> lead free ceramics. Ferroelectrics, 2017, 518, 52-58.	0.6	11
25	Structural, dielectric and magnetic studies of (x) Mg <sub>0.2</sub> Cu <sub>0.3</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> + (1-x) Ba <sub>0.8</sub> Zr <sub>0.2</sub> TiO <sub>3</sub> magnetoelectric composites. AIP Conference Proceedings, 2016, , .	0.4	1
26	Enhanced electrical properties in Rb-substituted sodium bismuth titanate ceramics. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
27	The Effect of a 0.5 T Magnetic Field on the Photocatalytic Activity of Recyclable Nd-modified BiFeO <sub>3</sub> Magnetic Catalysts. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	10
28	Structural, dielectric and magnetic studies of (x) Ni <sub>0.7</sub> Co <sub>0.1</sub> Cu <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> + (1-x) BaTiO <sub>3</sub> magnetoelectric composites. AIP Conference Proceedings, 2016, , .	0.4	0
29	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
30	Enhanced photocatalytic activity of hydrothermally grown BiFeO <sub>3</sub> 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
31	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
32	Effect of Tb substitution on structural, optical, electrical and magnetic properties of BiFeO <sub>3</sub> . Journal of Materials Science: Materials in Electronics, 2015, 26, 3827-3839.	2.2	32
33	Effect of samarium doping on the structural, optical and magnetic properties of sol-gel processed BiFeO <sub>3</sub> thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 49-58.	2.2	36
34	Structural, electrical and magnetic properties of Bi <sub>0.9</sub> La <sub>0.1</sub> Fe <sub>0.9</sub> Co <sub>0.1</sub> O <sub>3</sub> ceramics. , 2014, , .		1
35	Structural, optical, and multiferroic properties of single phased BiFeO <sub>3</sub> . Applied Physics A: Materials Science and Processing, 2014, 114, 853-859.	2.3	68
36	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

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37	Structural and multiferroic properties of YMnO <sub>3</sub> ceramics synthesized by co-precipitation method. , 2013, , .		0
38	Synthesis of nanosized BiFeO <sub>3</sub> powders by co-precipitation method. Journal of Experimental Nanoscience, 2013, 8, 341-346.	2.4	61
39	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
40	Built-in Electric Field Assisted Photocatalytic Dye Degradation and Photoelectrochemical Water Splitting of Ferroelectric Ce Doped BaTiO <sub>3</sub> Nanoassemblies. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	18