

# Shankar Subramanian

## List of Publications by Year in descending order

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27  
papers

469  
citations

623734

14  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidences of magneto-electric coupling in BFO $\hat{c}$ BT solid solutions. Journal of Alloys and Compounds, 2013, 577, 222-227.	5.5	59
2	Impedance spectroscopy and conductivity analysis of multiferroic BFO $\hat{c}$ BT solid solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 379-386.	2.1	47
3	Conductivity behavior and impedance studies in BaTiO $\hat{c}$ CoFe $\hat{c}$ 2O $\hat{c}$ 4 magnetoelectric composites. Materials Chemistry and Physics, 2019, 234, 110-121.	4.0	40
4	Effects of Sb, Zn doping on structural, electrical and optical properties of SnO $\hat{c}$ 2 thin films. Materials Science in Semiconductor Processing, 2015, 31, 310-314.	4.0	31
5	Dielectric and multiferroic properties of 0.75BiFeO $\hat{c}$ 3 $\hat{c}$ 0.25BaTiO $\hat{c}$ 3 solid solution. Journal of Materials Science: Materials in Electronics, 2014, 25, 888-896.	2.2	27
6	Enhanced multiferroic properties and magneto-dielectric effect analysis of La/Co modified BiFeO $\hat{c}$ 3. Journal of Alloys and Compounds, 2017, 694, 715-720.	5.5	26
7	Anomalous ferroelectricity and strong magnetoelectric coupling in CoFe $\hat{c}$ 2O $\hat{c}$ 4-ferroelectric composites. Journal of Alloys and Compounds, 2019, 779, 918-925.	5.5	25
8	Studies on magnetoelectric coupling and magnetic properties of (1 $\hat{c}$ $\hat{c}$ x)BiFeO $\hat{c}$ 3 $\hat{c}$ xBaTiO $\hat{c}$ 3 solid solutions. Journal of Materials Science: Materials in Electronics, 2015, 26, 1427-1434.	2.2	23
9	Magneto-dielectric coupling and transport properties of the ferromagnetic-BaTiO $\hat{c}$ 3 composites. Applied Physics Letters, 2015, 106, .	3.3	21
10	Energy storage and magnetoelectric coupling in ferroelectric $\hat{c}$ ferrite composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 18352-18357.	2.2	21
11	Progress in multiferroic and magnetoelectric materials: applications, opportunities and challenges. Journal of Materials Science: Materials in Electronics, 2020, 31, 19487-19510.	2.2	21
12	Structural, microstructural and multiferroic properties of BiFeO $\hat{c}$ 3 $\hat{c}$ CoFe $\hat{c}$ 2O $\hat{c}$ 4 composites. Journal of Materials Science: Materials in Electronics, 2019, 30, 2837-2846.	2.2	20
13	Conduction mechanism and dielectric properties of BiFeO $\hat{c}$ 3 $\hat{c}$ BaTiO $\hat{c}$ 3 solid solutions. Journal of Materials Science: Materials in Electronics, 2014, 25, 4896-4901.	2.2	16
14	Effects of co-substitution on dielectric, magnetic properties and magnetoelectric coupling in nano CoFe $\hat{c}$ 2O $\hat{c}$ 4. Materials Letters, 2015, 143, 241-243.	2.6	15
15	Dielectric and tunable ferroelectric properties in BiFeO $\hat{c}$ 3 $\hat{c}$ BiCoO $\hat{c}$ 3 $\hat{c}$ BaTiO $\hat{c}$ 3 ternary compound. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
16	Strong enhancement in structural, dielectric, impedance and magnetoelectric properties of NdMnO $\hat{c}$ 3 - BaTiO $\hat{c}$ 3 multiferroic composites. Materials Chemistry and Physics, 2021, 270, 124856.	4.0	13
17	Impedance Spectroscopy and Conduction Behavior in CoFe $\hat{c}$ 2O $\hat{c}$ 4-BaTiO $\hat{c}$ 3 Composites. Journal of Electronic Materials, 2020, 49, 472-484.	2.2	12
18	Signature of multiferroicity and impedance analysis of Co $\hat{c}$ 1 $\hat{c}$ xZnxFe $\hat{c}$ 2 $\hat{c}$ xLaxO $\hat{c}$ 4 nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 13259-13265.	2.2	10

#	ARTICLE	IF	CITATIONS
19	Structural, Energy Storage Analysis and Enhanced Magnetolectric Coupling in Mn Modified Multiferroic BiFeO <sub>3</sub> . Journal of Electronic Materials, 2019, 48, 5785-5796.	2.2	10
20	Structural, multiferroic, and magnetolectric properties of (1 - x)Bi <sub>0.85</sub> La <sub>0.15</sub> FeO <sub>3</sub> -xBaTiO <sub>3</sub> composite ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 12226-12237.	2.2	8
21	Structural, magnetic, dielectric and magneto-dielectric coupling analysis of ferromagnetic-PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> nanocomposites. Journal of Materials Science: Materials in Electronics, 2016, 27, 6849-6853.	2.2	4
22	Structural Analysis and Magnetolectric Sensing in Cobalt Ferrite-BaTiO <sub>3</sub> Composites. The National Academy of Sciences, India, 2020, 43, 677-679.	1.3	3
23	Significant improvements in dielectric, impedance, multiferroic and magnetolectric properties of (1-x)Co <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> -xBaTiO <sub>3</sub> bulk composites (x=0, 0.10 and 0.20). Journal of Materials Science: Materials in Electronics, 2021, 32, 16706-16714.	2.2	3
24	Structural and impedance spectroscopy in BiFeO <sub>3</sub> -BiCoO <sub>3</sub> -BaTiO <sub>3</sub> ternary system. Materials Today: Proceedings, 2021, 47, 1696-1699.	1.8	1
25	Multiferroic and magnetodielectric properties of Co <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> - BaTiO <sub>3</sub> composites. AIP Conference Proceedings, 2021, , .	0.4	0
26	Tunable dielectric and energy storage studies in NdMnO <sub>3</sub> based composites. Materials Today: Proceedings, 2021, 49, 3414-3414.	1.8	0
27	Variable Dielectric and Ferroelectric Properties in Size-Controlled Cobalt Ferrite. Springer Proceedings in Materials, 2022, , 35-40.	0.3	0