

# Nagasamudram Suresh Kumar

## List of Publications by Year in descending order

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27  
papers

703  
citations

567281

15  
h-index

552781

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tetragonal structure and dielectric behaviour of rare-earth substituted $\text{La}_{0.8}\text{Co}_{0.16-x}\text{Eu}_{0.04}\text{Gd}_x\text{TiO}_3$ ( $x = 0.04 \sim 0.16$ ) nanorods. <i>Materials Chemistry and Physics</i> , 2022, 278, 125598.	4.0	7
2	Development of hybrid organic-inorganic perovskite (HOIP) composites. , 2021, , 225-237.		0
3	A Review on Metamaterials for Device Applications. <i>Crystals</i> , 2021, 11, 518.	2.2	18
4	A review on the origin of nanofibers/nanorods structures and applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 68.	3.6	11
5	Structure, morphology, dielectric, and impedance properties of $(1-x)$ $(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)$ + $(x)$ $(\text{CuTiO}_3)$ ( $x \sim 0.2 \sim 0.8$ ) nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21225-21236.	2.2	3
6	Structural and Dielectric Properties of $(1-x)$ $(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)$ + $(x)$ $(\text{BiZnFeO}_3)$ ( $x \sim 0.2 \sim 0.8$ ) nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 4512-4522.	3.7	3
7	Stability of 2D and 3D Perovskites Due to Inhibition of Light-Induced Decomposition. <i>Journal of Electronic Materials</i> , 2020, 49, 7072-7084.	2.2	4
8	Structural transformation and high negative dielectric constant behavior in $(1-x)$ $(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)$ + $(x)$ $(\text{BiFeO}_3)$ ( $x = 0.2 \sim 0.8$ ) nanocomposites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 122, 114204.	2.7	21
9	Negative dielectric behavior in tetragonal $\text{La}_{0.8}\text{Co}_{0.2-x}\text{Eu}_x\text{TiO}_3$ ( $x \sim 0.01 \sim 0.04$ ) nanorods. <i>Materials Characterization</i> , 2020, 166, 110425.	4.4	18
10	Nanorods like microstructure, photocatalytic activity and ac-electrical properties of $(1-x)$ $(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)$ + $(x)$ $(\text{BaTiO}_3)$ ( $x \sim 0.2, 0.4, 0.6$ & $0.8$ ) nanocomposites. <i>Chemical Physics Letters</i> , 2020, 26, 752, 137552.	2.6	20
11	$\text{BaSrLaFe}_{12}\text{O}_{19}$ nanorods: optical and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8022-8032.	2.2	12
12	Phase transformation, nanorod-like morphology, wide bandgap, and dielectric properties of $1-x$ $(\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3)$ + $x$ $(\text{BaTiO}_3)$ ( $x \sim 0.2 \sim 0.8$ ) nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9293-9305.	2.7	7
13	Photocatalytic Activity, Negative AC Electrical Conductivity, Dielectric Modulus, and Impedance Properties in $0.6 (\text{Al}_{0.2}\text{La}_{0.8}\text{TiO}_3) + 0.4 (\text{BiFeO}_3)$ Nanocomposite. <i>Crystal Research and Technology</i> , 2020, 55, 2000068.	1.3	13
14	A review on biological and biomimetic materials and their applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	62
15	Structural, morphological, electrical, impedance and ferroelectric properties of $\text{BaO-ZnO-TiO}_2$ ternary system. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 201-218.	1.9	36
16	Phase change and ferroelectric nature of microwave-heated lead cobalt titanate nanoparticles prepared by sol-gel method. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 130-137.	2.1	5
17	Optical bandgap and ferroelectric studies of $\text{Pb}_{0.8-y}\text{La}_y\text{Co}_{0.2}\text{TiO}_3$ ( $y = 0.2$ to $0.8$ ) synthesized by microwave irradiation processed sol-gel technique. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 035014.	1.5	2
18	Induced dielectric behavior in high dense $\text{Al}_x\text{La}_{1-x}\text{TiO}_3$ ( $x \sim 0.2 \sim 0.8$ ) nanospheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20253-20264.	2.2	33

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19	Microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique: Structural, morphological, dielectric, impedance and ferroelectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 23-30.	3.5	43
20	Temperature and frequency dependence of complex impedance parameters of microwave sintered NiMg ferrites. Journal of the Australian Ceramic Society, 2019, 55, 541-548.	1.9	19
21	Grain and grain boundary conduction mechanism in sol-gel synthesized and microwave heated $Pb_{0.8-y}La_yCo_{0.2}TiO_3$ ( $y = 0.2 \leq y \leq 0.8$ ) nanofibers. Materials Chemistry and Physics, 2019, 223, 241-248.	4.0	40
22	A review on giant piezoelectric coefficient, materials and applications. Biointerface Research in Applied Chemistry, 2019, 9, 4205-4216.	1.0	16
23	Review on Magnetocaloric Effect and Materials. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1971-1979.	1.8	130
24	Structural and ferroelectric properties of microwave heated lead cobalt titanate nanoparticles synthesized by sol-gel technique. Journal of Materials Science: Materials in Electronics, 2018, 29, 4738-4742.	2.2	21
25	Multiferroic Nature of Microwave-Processed and Sol-Gel Synthesized $NanoPb_{1-x}Co_xTiO_3$ ( $x = 0.2 \leq x \leq 0.8$ ) Ceramics. Crystal Research and Technology, 2018, 53, 1800139.	1.3	33
26	Sol-gel synthesized and microwave heated $Pb_{0.8-y}La_yCo_{0.2}TiO_3$ ( $y = 0.2 \leq y \leq 0.8$ ) nanoparticles: Structural, morphological and dielectric properties. Ceramics International, 2018, 44, 18189-18199.	4.8	57
27	Structural and functional properties of sol-gel synthesized and microwave heated $Pb_{0.8}Co_{0.2-z}La_zTiO_3$ ( $z = 0.05 \leq z \leq 0.2$ ) nanoparticles. Ceramics International, 2018, 44, 19408-19420.	4.8	53