

# Venkata Sreenivas Puli

## List of Publications by Year in descending order

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21  
papers

885  
citations

687363

13  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1067  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, dielectric, ferroelectric, and energy density properties of (1-x)BZT-xBCT ceramic capacitors for energy storage applications. Journal of Materials Science, 2013, 48, 2151-2157.	3.7	175
2	Barium zirconate-titanate/barium calcium-titanate ceramics via sol-gel process: novel high-energy-density capacitors. Journal Physics D: Applied Physics, 2011, 44, 395403.	2.8	141
3	Investigations on structure, ferroelectric, piezoelectric and energy storage properties of barium calcium titanate (BCT) ceramics. Journal of Alloys and Compounds, 2014, 584, 369-373.	5.5	109
4	Structure, dielectric tunability, thermal stability and diffuse phase transition behavior of lead free BZT-BCT ceramic capacitors. Journal of Physics and Chemistry of Solids, 2013, 74, 466-475.	4.0	88
5	Photovoltaic effect in transition metal modified polycrystalline BiFeO <sub>3</sub> thin films. Journal Physics D: Applied Physics, 2014, 47, 075502.	2.8	54
6	Transition metal modified bulk BiFeO <sub>3</sub> with improved magnetization and linear magneto-electric coupling. Journal of Alloys and Compounds, 2011, 509, 8223-8227.	5.5	49
7	Nanoscale polarisation switching and leakage currents in (Ba <sub>0.955</sub> Ca <sub>0.045</sub> )(Zr <sub>0.17</sub> Ti <sub>0.83</sub> )O <sub>3</sub> epitaxial thin films. Journal Physics D: Applied Physics, 2015, 48, 355502.	2.8	42
8	Structure, Ferroelectric, Dielectric and Energy Storage Studies of Ba <sub>0.70</sub> Ca <sub>0.30</sub> TiO <sub>3</sub> , Ba(Zr <sub>0.20</sub> Ti <sub>0.80</sub> )O <sub>3</sub> Ceramic Capacitors. Integrated Ferroelectrics, 2014, 157, 139-146.	0.7	40
9	Synthesis and characterization of lead-free ternary component BST-BCT-BZT ceramic capacitors. Journal of Advanced Dielectrics, 2014, 04, 1450014.	2.4	36
10	Core-shell like structured barium zirconium titanate-barium calcium titanate-poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	3.8	29
11	Observation of large enhancement in energy-storage properties of lead-free polycrystalline 0.5BaZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> -0.5Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> ferroelectric thin films. Journal Physics D: Applied Physics, 2019, 52, 255304.	2.8	27
12	Dielectric breakdown of BaO-B <sub>2</sub> O <sub>3</sub> -ZnO-[(BaZr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ] <sub>0.85</sub> [(Ba <sub>0.70</sub> Ca <sub>0.30</sub> )TiO <sub>3</sub> ] <sub>0.15</sub> glass-ceramic composites. Journal of Non-Crystalline Solids, 2012, 358, 3510-3516.	3.1	20
13	A quaternary lead based perovskite structured materials with diffuse phase transition behavior. Materials Research Bulletin, 2011, 46, 2527-2530.	5.2	18
14	Structure and dielectric properties of BaO-B <sub>2</sub> O <sub>3</sub> -ZnO-[(BaZr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ] <sub>0.85</sub> [(Ba <sub>0.70</sub> Ca <sub>0.30</sub> )TiO <sub>3</sub> ] <sub>0.15</sub> glass-ceramics for energy storage. Journal of Materials Science: Materials in Electronics, 2012, 23, 2005-2009.	2.8	13
15	Magnetolectric coupling effect in transition metal modified polycrystalline BiFeO <sub>3</sub> thin films. Journal of Magnetism and Magnetic Materials, 2014, 369, 9-13.	2.3	11
16	Temperature Dependent Magnetic, Dielectric Studies of Sm-Substituted Bulk BiFeO <sub>3</sub> . Journal of Superconductivity and Novel Magnetism, 2012, 25, 1109-1114.	1.8	10
17	Review on energy storage in lead-free ferroelectric films. Energy Storage, 2023, 5, .	4.3	8
18	Electric field induced weak ferroelectricity in Ba <sub>0.70</sub> Sr <sub>0.30</sub> TiO <sub>3</sub> ceramics capacitors. Ferroelectrics, 2017, 516, 133-139.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Magnetoelectric and Multiferroic Properties of BaTiO <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> /BaTiO <sub>3</sub> Heterostructured Thin Films Grown by Pulsed Laser Deposition Technique. Crystals, 2021, 11, 1192.	2.2	5
20	Synthesis and structural properties of Ba(1-x)LaxTiO <sub>3</sub> perovskite nanoparticles fabricated by solvothermal synthesis route. AIP Conference Proceedings, 2017, , .	0.4	2
21	Enhanced energy storage properties of epitaxial (Ba <sub>0.955</sub> Ca <sub>0.045</sub> )(Zr <sub>0.17x</sub> Ti <sub>0.83</sub> ) ferroelectric thin films. Energy Storage, 2022, 4, .		