

Shibnath Samanta

List of Publications by Year in descending order

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papers

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1163117

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18
docs citations

18
times ranked

234
citing authors

#	ARTICLE	IF	CITATIONS
1	Band gap, piezoelectricity and temperature dependence of differential permittivity and energy storage density of PZT with different Zr/Ti ratios. Vacuum, 2018, 156, 456-462.	3.5	46
2	Effect of Nb and Fe co-doping on microstructure, dielectric response, ferroelectricity and energy storage density of PLZT. Journal of Materials Science: Materials in Electronics, 2018, 29, 20383-20394.	2.2	25
3	Band gap reduction and redshift of lattice vibrational spectra in Nb and Fe co-doped PLZT. Journal of Materials Science, 2017, 52, 13012-13022.	3.7	21
4	Enhanced ferroelectricity in PLZT ceramic by precise La-doping, minimizing pyrochlore phase and lead loss. Vacuum, 2018, 157, 514-523.	3.5	21
5	Ferroelectricity in solution-processed V-doped ZnO thin films. Journal of Alloys and Compounds, 2021, 853, 157369.	5.5	11
6	Effect of Successive Multiple Doping of La, Nb and Fe on Structure and Lattice Vibration of MPB PZT. Materials Today: Proceedings, 2018, 5, 27919-27927.	1.8	9
7	(111)-oriented Sn-doped BaTiO ₃ epitaxial thin films for ultrahigh energy density capacitors. Ceramics International, 2021, 47, 26856-26862.	4.8	9
8	Effect of micro-defects and Pb-loss on electrical and optical properties of PLZT ceramic. Journal of Materials Science: Materials in Electronics, 2018, 29, 7239-7252.	2.2	8
9	Multi-Step Chemical Solution Deposition-Annealing Process Toward Wake-Up Free Ferroelectricity in Y:HfO ₂ Films. Advanced Materials Interfaces, 2021, 8, 2100907.	3.7	8
10	Stabilization heat treatment and functional response of 0.65[Pb(Mg _{1/3} Nb _{2/3})O ₃]-0.35[PbTiO ₃] ceramics. Materials Research Bulletin, 2017, 95, 47-55.	5.2	6
11	Flux pinning and improved critical current density in superconducting boron doped diamond films. Journal of Physics Communications, 2018, 2, 045015.	1.2	6
12	Modulations in relaxor nature due to Sr ²⁺ doping in 0.68PMN-0.32PT ceramic. Ceramics International, 2020, 46, 5658-5664.	4.8	6
13	Electrocaloric Effect with Variations of Diffusivity in Relaxor Ferroelectric Materials. Journal of Electronic Materials, 2019, 48, 7595-7602.	2.2	5
14	Large electrocaloric effect with high thermal and electric field cycling stability in solution-processed Y:HfO ₂ thin films. Journal of Materials Chemistry A, 2022, 10, 9960-9970.	10.3	4
15	Effective Bandgap Engineering in Perovskite Ferroelectrics by Successive Multiple Doping. Physica Status Solidi (B): Basic Research, 2020, 257, 1900272.	1.5	3
16	Stabilization of Ferroelectric Phase in Highly Oriented Quinuclidinium Perrhenate (HQReO ₄) Thin Films. Materials, 2021, 14, 2126.	2.9	3
17	Temperature Dependence of Energy Storage Density and Differential Permittivity and Bandgap Study of Relaxor (Pb,La)Zr _{0.65} Ti _{0.35} O ₃ . Integrated Ferroelectrics, 2019, 202, 153-162.	0.7	2
18	Band gap, energy storage density, dielectric and ferroelectric properties study of nano and micro-scale Lanthanum doped PZT. , 2016, , .		0