

Shibnath Samanta

List of Publications by Year in descending order

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18
papers

193
citations

1163117

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times ranked

234
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Large electrocaloric effect with high thermal and electric field cycling stability in solution-processed Y:HfO_2 thin films. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9960-9970. | 10.3 | 4 |
| 2 | Ferroelectricity in solution-processed V-doped ZnO thin films. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157369. | 5.5 | 11 |
| 3 | Stabilization of Ferroelectric Phase in Highly Oriented Quinuclidinium Perrhenate (HQReO ₄) Thin Films. <i>Materials</i> , 2021, 14, 2126. | 2.9 | 3 |
| 4 | Multi-Step Chemical Solution Deposition-Annealing Process Toward Wake-Up Free Ferroelectricity in Y:HfO_2 Films. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100907. | 3.7 | 8 |
| 5 | (111)-oriented Sn-doped BaTiO ₃ epitaxial thin films for ultrahigh energy density capacitors. <i>Ceramics International</i> , 2021, 47, 26856-26862. | 4.8 | 9 |
| 6 | Effective Bandgap Engineering in Perovskite Ferroelectrics by Successive Multiple Doping. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900272. | 1.5 | 3 |
| 7 | Modulations in relaxor nature due to Sr ²⁺ doping in 0.68PMN-0.32PT ceramic. <i>Ceramics International</i> , 2020, 46, 5658-5664. | 4.8 | 6 |
| 8 | Electrocaloric Effect with Variations of Diffusivity in Relaxor Ferroelectric Materials. <i>Journal of Electronic Materials</i> , 2019, 48, 7595-7602. | 2.2 | 5 |
| 9 | Temperature Dependence of Energy Storage Density and Differential Permittivity and Bandgap Study of Relaxor $(\text{Pb,L a})\text{Zr}_{0.65}\text{Ti}_{0.35}\text{O}_3$. <i>Integrated Ferroelectrics</i> , 2019, 202, 153-162. | 0.7 | 2 |
| 10 | Flux pinning and improved critical current density in superconducting boron doped diamond films. <i>Journal of Physics Communications</i> , 2018, 2, 045015. | 1.2 | 6 |
| 11 | Effect of micro-defects and Pb-loss on electrical and optical properties of PLZT ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7239-7252. | 2.2 | 8 |
| 12 | Effect of Successive Multiple Doping of La, Nb and Fe on Structure and Lattice Vibration of MPB PZT. <i>Materials Today: Proceedings</i> , 2018, 5, 27919-27927. | 1.8 | 9 |
| 13 | Effect of Nb and Fe co-doping on microstructure, dielectric response, ferroelectricity and energy storage density of PLZT. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20383-20394. | 2.2 | 25 |
| 14 | Enhanced ferroelectricity in PLZT ceramic by precise La-doping, minimizing pyrochlore phase and lead loss. <i>Vacuum</i> , 2018, 157, 514-523. | 3.5 | 21 |
| 15 | Band gap, piezoelectricity and temperature dependence of differential permittivity and energy storage density of PZT with different Zr/Ti ratios. <i>Vacuum</i> , 2018, 156, 456-462. | 3.5 | 46 |
| 16 | Band gap reduction and redshift of lattice vibrational spectra in Nb and Fe co-doped PLZT. <i>Journal of Materials Science</i> , 2017, 52, 13012-13022. | 3.7 | 21 |
| 17 | Stabilization heat treatment and functional response of $0.65[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]-0.35[\text{PbTiO}_3]$ ceramics. <i>Materials Research Bulletin</i> , 2017, 95, 47-55. | 5.2 | 6 |
| 18 | Band gap, energy storage density, dielectric and ferroelectric properties study of nano and micro-scale Lanthanum doped PZT. , 2016, , . | | 0 |