

Dr. Shrabanee Sen

Full List of Publications

1. Shrabanee Sen, S.K.Mishra, “Electrical Behavior of PMN-PT PVDF Nanocomposite”, Journal of Physics D: Applied Physics, 41(2008), 163508.
2. Shrabanee Sen, S.Sagar Palit, S.K.Das, S.K.Mishra and A.Tarafdar, “Impedance analysis of 0.65Pb (Mg_{1/3}Nb_{2/3}) O₃ -0.35PbTiO₃ ceramic”, Journal of Alloys and Compounds 453 (2008) 417.
3. Shrabanee Sen and R.N.P Choudhary, Phase Transition in Sr modified Pb(SnTi)O₃ system, Journal of Alloys and Compounds, 457 (2008)417.
4. Shrabanee Sen, S.K.Das, S.K.Mishra and A.Tarafdar, “Low temperature synthesis of 0.65 PbMg_{1/3}Nb_{2/3}O₃-0.35PbTiO₃ ceramics”, Journal of American Ceramic Society, 90 (2007) 2634.
5. Shrabanee Sen, P.Pramanik and R.N.P Choudhary, “Dielectric relaxation in Sr modified PST ceramics”, Applied Physics A: Material Science and Processing, 87, (2007) 727.
6. Shrabanee Sen, P.Pramanik and R.N.P.Choudhary, “Structural and electrical properties of Ca²⁺ modified PZT electroceramics”, Physica B, 387,(2007)
7. Shrabanee Sen, P.Pramanik and R.N.P.Choudhary, “Effect of Ca–additions on Structural and Electrical properties of Pb(SnTi)O₃ nano-ceramics”,Ceramics International, 33 (2007) 579.
8. Shrabanee Sen, R. N. P Choudhary, A. Tarafdar and P. Pramanik “.Impedance spectroscopy study of strontium modified lead zirconate titanate ceramics”, Journal of Applied Physics 99 (2006) 124114/1.
9. Shrabanee Sen, P.Pramanik and R.N.P.Choudhary, “Impedance spectroscopy study of nanocrystalline ferroelectric (PbMg)(ZrTi)O₃ system” ,Applied Physics A: Material Science and Processing”, 82 (3) (2006) 549.
10. Shrabanee Sen, P.Pramanik and R.N.P.Choudhary, “Synthesis and Characterization of nanosized Ba_{1-x}Mg_xSn_{0.15}Ti_{0.85}O₃ ceramics”, Ferroelectrics, 324 (2005) 21.
11. Shrabanee Sen and R.N.P.Choudhary, “Structural, dielectric and Electrical properties of Ca modified BaSn_{0.15}Ti_{0.85}O₃ ceramics”, Journal of Material Science, 85 (2005) 547.
12. Shrabanee Sen and R.N.P.Choudhary, “Studies of structural and electrical properties of Ba_{1-x}Ca_xSn_{0.05}Ti_{0.95}O₃ Ferroelectric Ceramics”, Material Letters, 58 (2004)616.

13. Shrabanee Sen, R.N.P. Choudhary, A.Tarafdar and P. Pramanik, "Novel Technique for synthesis and characterization of nanosized $Ba_{1-x}Sr_xSn_{0.05}Ti_{0.85}O_3$ ceramics", *Physica Status Solidi (A)*, 201 (2004) 937.
14. Shrabanee Sen, P. Pramanik and R.N.P. Choudhary, "Synthesis and Characterization of nanostructural ferroelectric compounds", *Material Letters*, 58 (2004) 3486.
15. Shrabanee Sen and R.N.P Choudhary, "Impedance studies of Sr doped $BaZr_{0.05}Ti_{0.95}O_3$ ceramics", *Materials Chemistry and Physics*, 87 (2004) 256.
16. Shrabanee Sen, P.Pramanik and R.N.P.Choudhary, "Impedance Spectroscopy study of $Ba_{1-x}Sr_xSn_{0.15}Ti_{0.85}O_3$ ceramics", *British Ceramic Transcation*, 103(6) (2004) 250.
17. Shrabanee Sen and R.N.P Choudhary, "Effect of Calcium substitution on structural and Electrical properties of $Ba(Zr_{0.05}Ti_{0.95})O_3$ Electroceramics", *Journal of Materials Science: Materials in Electronics*, 15 (2004) 671.
18. K.Prasad, K.Kumari, Lily Prasad, K.L Yadav and S.Sen , "Structural and dielectric properties of ZrO_2 added $Na_{0.5}Bi_{0.5}TiO_3$ ceramic", *Brazilian Journal of Physics* (Accepted).
19. K.Prasad, K.Kumari, Lily Prasad, K.L Yadav and S.Sen, "Dielectric relaxation and ac conductivity of WO_3 added $Na_{0.5}Bi_{0.5}TiO_3$, *Material Science Poland* (Accepted).
20. K.Prasad, K.Kumari, Lily Prasad, K.L Yadav and S.Sen, "Glass like response $Na_{0.5}Bi_{0.5}TiO_3-WO_3$ Ceramic", *Solid State Communication*, 144 (2007) 42.
21. K.Prasad, K.Kumari, K.P Chandra, K.L Yadav and S.Sen, "Electrical properties of a lead-free perovskite ceramic: $(Na_{0.5}Sb_{0.5})TiO_3$ by impedance spectroscopy", *Applied Physics A: Material Science and Processing*, 88 (2007) 377.
22. K.Prasad, K.Kumari, K.P Chandra, K.L Yadav and S.Sen, "Electrical conduction in $(Na_{0.5}Bi_{0.5})TiO_3$ ceramic: Impedance spectroscopy analysis", *Advances in Applied Ceramics: Structural, Functional and Bioceramics*, 106 (2007) 241.
23. A. B. Panda, A. Tarafdar, S. Sen, A. Pathak and P. Pramanik, "Preparation of Nanocrystalline $SrBi_2Ta_2O_9$ Powders Using Sucrose-PVA as the Polymeric Matrix", *Journal of Material Science*, 39 (2004) 3739.
24. Shrabanee Sen, S.K Mishra, S Sagar and S K. Das, "Preparation and characterization of PMN-PT nanocomposite", *Indian Journal of Engineering &Material Science*, 15 (2008) 111.
25. S.Sen, P.Sahu and K.Prasad, "Novel technique for synthesis of $CaCu_3Ti_4O_{12}$ ceramics", *Material Science Poland* (Accepted).

