

## Dr. Amarnath Sen

### Full list of papers and Books

1. Amarnath Sen and E. C. Subbarao “*Fabrication technology of low loss optical glass fibres*”, Elec. Inf. Plan., **5** (6), 405 (1978)
2. A. R. Das and Amarnath Sen, “*Effect of titania addition on saturation magnetization and magnetic spectrum of  $\text{Ni}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$  ferrite*”, Trans. Ind. Ceram. Soc. **40** (4), 139 (1981)
3. Amarnath Sen, Jitendra Kumar and D. Chakravorty, “*Thermochromism in borate glasses containing bismuth oxide*”, J. Mat. Sc. Lett., **2**, 677 (1983)
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5. Amarnath Sen and D. Chakravorty, “*Sol-gel route to inorganic materials synthesis*”, Proc. Ind. Nat. Sc. Acad., **52A** (1), 159 (1986)
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7. Amarnath Sen, D. Chakravorty and J. Kumar, “*Infrared transmitting bismuth  $\square$ erminate glasses containing zinc oxide*”, J. Non-crystalline Solids, **88**, 253 (1986)
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13. Dipika Saha, A. Sen and H. S. Maiti, “*Solid state synthesis of precursor  $\text{MgNb}_2\text{O}_6$  for the preparation of  $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$* ” J. Mat. Sc. Lett., **13**, 723 (1994)
14. A. Sen and H. S. Maiti, “*Mechanism of silver induced enhanced synthesis of  $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$* ” Physica C, **229**, 188 (1994)

15. D. Saha and A. Sen, "Low frequency dispersion extended to higher frequency: A new look at relaxor behaviour", *Phil. Mag. Lett.*, **71** (6), 367 (1995)
16. D. Bhattacharya, A. Sen, S. N. Roy and H. S. Maiti, "Unusual thickness dependence of the magnetic critical current density for granular high  $T_c$  films", *Phys. Rev. B*, **51** (17), 11819 (1995)
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