List of Publications

i. Paramagnetic and complementary anti-ferromagnetic interactions in sol-gel derived $Zn_{1-x}Mn_xO$ [50 MeV Li^{3+} irradiated (x=0.04) and unirradiated (x=0.02 & 0.04)] samples, S.K.Neogi, R.Karmakar, A. Banerjee, S. Bandyopadhyay, Ravi Kumar, Alok Banerjee, A.Mallik, T.P.Sinha, Radiation Effects and Defects in Solids, 166 (08-09), (2011) 675 - 681.

ii. Absence of Ferromagnetism in Mn Doped ZnO, R.Karmakar, S.K.Neogi, A.Banerjee, S.Bandyopadhyay, Alok Banerjee, A.Mallik and P.K.Maity, AIP Proc. 1347 (2011) 206-209.

iii. Role of Nano Size Particle Assembly in Ferromagnetism of Mn Doped ZnO Pellets, S.K.Neogi, S.Chattopadhyay, R.Karmakar, A. Banerjee, S. Bandyopadhyay, Alok Banerjee, AIP Proc. 1347 (2011) 289-292.

iv. Effect of 50 MeV Li^{3+} irradiation on structural and electrical properties of Mn doped ZnO , S. K. Neogi, S. Chattopadhyay, Aritra Banerjee, S. Bandyopadhyay, A. Sarkar and Ravi Kumar, J. Phys: Condens. Matter 23 (2011) 205801.

v. Structural and magnetic properties of nanocrystalline Fe-doped SnO_2, A.K. Mishra, T.P. Sinha, S. Bandyopadhyay, D. Das, Materials Chemistry and Physics 125 (2011) 252-256.

vi. Defect Induced ferromagnetism in single-phase Mn-doped ZnO, S. Chattopadhyay, S. K. Neogi, A.Banerjee, S.Bandyopadhyay and S. M. Yusuf, *Journal of Magnetism and Magnetic Materials* 323 (2011) 363-368.

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x. Study of vacuum treated transparent and conducting films of ZnO-ZrO_2 prepared by sol-gel method; G K Paul, S Bandyopadhyay, S K Sen and S Sen, *Mats. Chem. and Phys*. 79/1, 71 (2003).

xi. Transport properties of Al doped zinc oxide films prepared by sol gel method without surface modification, G K Paul, S Bandyopadhyay, G K Paul, S K Sen, *Phys. Stat. Sol. A* 191, 509 (2002).

xii. Study of structural and electrical properties of grain boundary modified ZnO films prepared by sol gel technique; S Bandyopadhyay, G K Paul, R Roy, S K Sen, S Sen, *Materials Chem. and Phys*. 74, 83 (2002).

xiii. Study of optical properties of some sol-gel derved films of ZnO; S Bandyopadhyay, G K Paul, S K Sen, *Solar Energy and Materials & Solar cells* 71, 103 (2001).

xiv. Preparation of aluminum doped zinc oxide films by solgel method: Thermoelectric power and Hall voltage measurements, G K Paul, S Bandyopadhyay, S K Sen, *Ind. J Physics* 75A, 433 (2001).

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