

Publications in international journals:

1. Characterization of nanocrystalline CdSe and Ag thin films and hence fabrication of CdSe/Ag Schottky structure, **G.K.Paul** and S.K.Bera, AIP Conf. Proc. 2764, 040004(2023)
2. Chemical cyanide treatment of polycrystalline p-Cu₂O/n-ZnO solar cell, **G.K.Paul** and S.K.Bera, Materials Today: Proceedings 76, 8(2023).
3. Rectifying properties of sol-gel synthesized Al:ZnO/Si (N-n) thin film heterojunctions, S.Sarkar, S.Patra, S.K.Bera, **G.K.Paul** and R.Ghosh, Physica E 46, 1(2012).
4. Influence of surface topography and chemical structure on wettability of electrodeposited ZnO thin films, S. Patra, S. Sarkar, S. K. Bera, **G. K. Paul**, and R. Ghosh, J. Appl. Phys. 108, 083507 (2010)
5. Water Repellent ZnO Nanowire Arrays Synthesized by simple Solvothermal Technique, S. Sarkar, S. Patra, S. K. Bera, **G. K. Paul** and R. Ghosh, Materials Letters 64, 460 (2010).
6. Composition dependent structural, morphological and transport properties of Co co-doped sol-gel AZO thin films, S. K. Neogi, R. Ghosh, **G. K. Paul**, S. K. Bera, and S. Bandyopadhyay, J. Alloy Compd. 487, 269 (2009).
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11. Investigation of relation between Ga concentration and defect levels of Al/Cu(In,Ga)Se₂ Schottky junctions using admittance spectroscopy, T. Sakurai, N. Ishida, S. Ishizuka, K. Matsubara, K. Sakurai, A. Yamada, **G.K. Paul**, K. Akimoto and S. Niki, Thin Solid Films, 515, 6208 (2007).
12. Enhanced Photo-electric response of ZnO/polyaniline layer by layer self-assembled films, **G.K.Paul**, A. Bhaumik, A. S. Patra and S. K. Bera, Mat.Chem.Phys. 106/2-3, 360 (2007).
13. DLTS Characterization of n-ZnO/i-ZnO/p-Cu₂O Solar cell, **G.K.Paul**, Y.Nawa, H.Sato, T.Sakurai, K.Akimoto, Appl.Phys.Lett, 88, 141901 (2006).
14. Thin film deposition of Cu₂O and application for solar cells, K.Akimoto, S.Ishizuka, M.Yanagita, Y.Nawa, **G.K.Paul**, T.Sakurai, Solar Energy, 80, 715 (2006).
15. Study on electrical properties of Al/Cu(In,Ga)Se₂ Schottky junction and ZnO/CdS/Cu(In,Ga)Se₂ heterojunction using admittance spectroscopy, T.Sakurai, N.Ishida, S.Ishizuka, K.Matsubara, K.Sakurai, A.Yamada, **G.K.Paul**, K.Akimoto and S.Niki, phys. stat. sol. (c) 3, No. 8, 2576 (2006).

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17. Structural, optical and electrical studies on sol-gel deposited Zr doped ZnO films, **G.K.Paul**, S.Bandyopadhyay, S.K.Sen and S.Sen, Mat.Chem.Phys, 79/1, 71 (2003).
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