


Farag, M. El. and Sallam, M. M. (2007). Composition dependence of the grain size, activation energy and coordination number in Ge40−xInxSe60 10 ≤ x ≤ 40 at.% thin films. Egypt. J. Solids, 30, 1.


Siebentritt S. (2002). Wide gap chalcopyrite material properties and solar cells, Thin solid films, 403, 1.


List of Publications

1. Structural and Optical properties of AgInSe$_2$ films
   R. K. Bedi, **Dinesh Pathak**, Deepak and Davinder Kaur
   *Z. Kristallogr.* 27 (2008) 177

2. Growth of AgInSe$_2$ on Si (100) substrate by thermal evaporation technique
   **Dinesh Pathak**, R.K. Bedi, Davinder Kaur
   *Applied Physics A*, 95 (2009) 843

3. Characterization of AgInSe$_2$ films deposited by hot wall vacuum evaporation method
   **Dinesh Pathak**, R.K. Bedi, Davinder Kaur

4. Structural, Electrical and Optical Properties of Transparent Zn$_{1-x}$Mg$_x$O Nanocomposite Thin Films
   Ajay Kaushal, **Dinesh Pathak**, R. K. Bedi and Davinder Kaur

5. Growth of AgInSe$_2$ on Si(100) by pulse laser ablation
   **Dinesh Pathak**, R. K. Bedi, Davinder Kaur
   *Surface Review and Letters* 16, 6 (2009) 917

6. Effect of substrate temperature on structural, optical and electrical properties of Silver Indium selenide films prepared by laser ablation

7. Growth of heteroepitaxial AgInSe$_2$ layers on Si (100) substrates by hot wall method

8 Fabrication of Densely Distributed Silver Indium Selenide Nanorods by Using Ag+ Ion Irradiation

Dinesh Pathak, R. K. Bedi, Davinder Kaur and Ravi Kumar

Journal of the Korean Physical Society, 57 (2010) 474

9 200 MeV Ag+ Ion Beam Induced Modification in AgInSe2 Films Deposited by Hot-Wall Vacuum Evaporation Method

Dinesh Pathak, R. K. Bedi, Davinder Kaur and Ravi Kumar

Chalcogenide Letters, 8, 3 (2011) 213

10 Crystal field splitting in Chalcopyrite AgInSe2 bulk crystals

Dinesh Pathak, R. K. Bedi, Davinder Kaur

Atti Della Fondazione Giorgio Ronchi ANNO LXIV, 5 (2009) 713
Paper Presented in National and International Conferences

1. Paper entitled “Characterization of thermally evaporated AgInSe₂ films” presented in 2nd National Conference on Condensed Matter & Material Physics (CMMP-07) organized by Department of Physics, University of Rajasthan, Jaipur during Feb-2007.


3. Paper entitled “Structural and Optical properties of AgInSe₂ films” presented in Size-Strain V, Conference Centre Garmisch-Partenkirchen, Germany, during October 7-9, 2007.


5. Paper entitled “Growth of Highly Oriented AgInSe₂ films” presented in Recent advances in Innovative Materials, Conference held in NIT Hamirpur HP during Feb. 16-17, 2008.

6. Paper entitled “Hot wall grown AgInSe₂ films” presented in “Workshop on Super solid” held at International Center for Theoretical Physics (ICTP) Trieste, ITALY during 18-22 August, 2008.

7. Paper entitled “Structural and optical characterization of AgInSe₂ films deposited by hot wall vacuum evaporation method” presented in National Conference on smart materials: Future Prospective held at Kanya Mahavidyalaya, Jallandher, during Spt 19-20, 2008.


9. Paper entitled “pulse laser deposition of AgInSe₂ films” presented in National Conference on “Recent Trends in Material Sciences” held at PG Department of Physics, DAV College, Amritsar, during Feb 10-11, 2009.


11. Paper entitled “Effect of substrate temperature on the properties of AgInSe₂ films prepared by laser ablation” presented in National Conference on Recent

12 Paper entitled “laser assisted deposition of AgInSe$_2$ films” presented in AsCA'09 Joint Conference of the Asian Crystallographic Association and Chinese Crystallography Society, Beijing CHINA, during October 22-25, 2009.

13 Paper entitled “Fabrication of Densely distributed AgInSe$_2$ nanorods by Ag$^{+}$ ion irradiation ” in International conference on metallurgical coating on thin films (ICMCTF 2010) organized by American Vacum Society at town and country Hotel, San Diego, California, United States of America. during April 2010.

14 Paper entitled “Swift heavy ion based Nanopatterning of AgInSe$_2$ films’’ Presented in conference “Surface and interface of advanced thin films” organized by Pedagogical University of Krakow, Poland, held during, Spt, 2010.