Papers published in National / International Journals


Band gap determination of copper doped tungsten diselenide single crystals by optical absorption method

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Papers presented in National / International Conferences / Symposia / Seminars

1. ŕOptical and electrical characterization of copper intercalated tungsten dichalcogenide single crystals.ô
   J.B. Patel, M.N. Parmar, G.K. Solanki and M.P. Deshpande
   Seminar on Experimental Condensed Matter Physics, Department of Physics, Sardar Patel University, VALLABH VIDYANAGAR on March 23rd, 2002.

2. ŕSynthesis, characterization and studies of various physical properties of rhenium intercalated WSe₂ single crystals.ô
   J.B. Patel, M.N. Parmar, G.K. Solanki and M.P. Deshpande
   Ninth National Seminar on Crystal Growth, Crystal Growth Centre, Anna University, CHENNAI during February 24-26, 2003.

3. ŕThermal analysis and nanocrystalline form of tungsten diselenide single crystalsô
   Tejal A. Patel, M.N. Parmar, Rajiv Vaidya, G.K. Solanki & M.P. Deshpande
   46th DAE Solid State Physics Symposium, 26-30 December 2003, Jiwaji University, GWALIOR.(poster presentation)

4. ŕEffect of Pressure on electrical and optical properties of WSe₂ single crystals.ô
   J.B. Patel, M.N. Parmar, Rajiv Vidya, G.K. Solanki and M.P. Deshpande
   Seminar on Condensed Matter Physics, Department of Physics, Sardar Patel University, VALLABH VIDYANAGAR on February 21st, 2004.

5. ŕStudies on transport and Optical properties of Rhenium intercalated/doped WSe₂.ô
   M. P. Deshpande, J. B. Patel, M. N. Parmar, and G. K. Solanki
Growth and characterization of rhenium intercalated/doped tungsten diselenide single crystals by vapour phase technique.

J. B. Patel, M.N. Parmar, G.K. Solanki and M.P. Deshpande
19\textsuperscript{th} Gujarat Science Congress on Recent Advances in Science and Technology, Sardar Patel University, VALLABH VIDYANAGAR on February 19\textsuperscript{th} 2005.

7. Growth and characterization of rhenium intercalated/doped tungsten diselenide single crystals by vapour phase technique.

J.B. Patel, Rajiv Vaidya, M.N. Parmar, G.K. Solanki and M.P. Deshpande


J. B. Patel, M. N. Parmar, M. P. Deshpande and G. K. Solanki
35\textsuperscript{th} National Seminar on Crystallography held at National Physical Laboratory, NEW DELHI during 22\textsuperscript{nd} -24\textsuperscript{th} February, 2006.(poster presentation)

9. Growth, thermoelectric power and Hall effect measurement of mixed tungsten dichalcogenide single crystals grown by chemical vapour transport technique.

M.N. Parmar, M.P. Deshpande G.K. Solanki & M.K. Agarwal
National Conference on Advances in technologically important crystals (NCATIC) during 12-14 October, 2006 organized by Crystal Lab., Dept. of Physics & Astrophysics, University of Delhi, NEW DELHI.


National Symposium on semiconductor materials and recent technologies (SMART- 2006) during 12-14 October 2006, sponsored by BMAS Engineering College and Semiconductor Society, AGRA.


Bindiya Soni, Nilesh N. Pandya, G.K. Solanki, M.N.Parmar and M. P. Deshpande
National conference on Nanomaterials and Nanotechnology (NATCON NAMTECH-2007) during 08-10 December, 2007 at Department of Physics, University of Lucknow, LUCKNOW.

12. Synthesis and characterisation of copper intercalated/doped compounds of tungsten diselenide single crystal.

M.N. Parmar, J.B. Patel, G.K. Solanki and M.P. Deshpande
National conference on SMART materials and recent technologies held at Department of Physics, Sri Venkateswara Univeristy, TIRUPATI during 22\textsuperscript{nd} -23\textsuperscript{rd} February, 2007.(oral presentation ).
13. "Synthesis and characterization of copper intercalated / doped compounds of tungsten diselenide single crystals"  
M.N. Parmar, N. N. Pandya, & M.P. Deshpande  
National conference on Advance Materials Device and Technology (NCAMDT) During February 20-22, 2008 held at Department of Physics, Sri Venkateswara University, TIRUPATI, A.P. (poster presentation).

14. "Studies on transport properties of copper doped tungsten diselenide single crystals"  
M P Deshpande, M N Parmar, Nilesh N Pandya and G K Solanki  
National conference on semiconductor materials and technology (NCSMT-08) held at Gurukula Kangari University, HARIDWAR, during 16-18 October 2008. (Paper Accepted for oral presentation)