List of Publications

Papers in International Journals

1. Relaxation Process in PbI_2-Ag_2O-V_2O_5-B_2O_3 system: Dielectric, AC conductivity and Modulus Studies.
   M.S. Jayswal, D.K. Kanchan, P. Sharma, N. Gondaliya.
   ***Materials Science and Engineering B* 178 (2013) 775– 784.**

2. The Effect of PbI_2 on Electrical Conduction in Ag_2O-V_2O_5-B_2O_3 Superionic Glass System.
   M.S. Jayswal, D.K. Kanchan, P. Sharma, M. Pant.
   ***Solid State Ionics* 186 (2011) 7-13.**

Papers in Conference Proceedings

1. Preparation and Characterization of Ag^+ ion conducting Superionic PbI_2-Ag_2O-V_2O_5-B_2O_3 Glass System.
   M.S. Jayswal, D.K. Kanchan, P. Sharma, N. Gondaliya.
   19th *International Conference on Solid State Ionics, 2013, Kyoto, Japan.*

2. Scaling of Electrical Relaxation Spectra in Fast Ion Conducting PbI_2-Ag_2O-V_2O_5-B_2O_3 glass system.
   M.S. Jayswal, D.K. Kanchan, P. Sharma, N. Gondaliya.
   DAE-BRNS 4*th Interdisciplinary Symposium on Materials Chemistry, December,* 2012, *BARC, Mumbai.*

3. Ionic Transport Studies in PbI_2 Doped Silver-Vanado-Borate Super-Ionic Glass System.
   M.S. Jayswal, D.K. Kanchan, P. Sharma, N. Gondaliya, M. Pant.
   Physical Sciences Interface with Humanity, December 22-24, 2011, *Sardar Vallabhbhai National Institute of Technology, Surat.*

4. Frequency Dependent, Conductivity of PbI_2 Doped Silver-Boro-Vanadate Super Ionic Glass System.
   M.S. Jayswal, D.K. Kanchan, M. Pant, P. Sharma, N. Gondaliya.
   International conference on Physics of Emerging Functional materials, September, 2010, *BARC, Mumbai.*

5. Study Of Relaxation Dynamics in PbI_2 Doped Silver Boro-Vanadate Glasses

   M.S. Jayswal, D.K. Kanchan, P. Sharma, M. Pant.

   54th *DAE Solid State Physics Symposium, December,* 2009*, M. S. University of Baroda, Vadodara.*

6. Dielectric studies in PbI_2-Ag_2O-V_2O_5-B_2O_3 solid electrolytes.

   M.S. Jayswal, D.K. Kanchan, M. Pant, P. Sharma, N. Gondaliya.

   9th National Conference on Solid State Ionics, December 15-17, 2011, *Dept of Physics and Mat. Sci., Jaypee Institute of Information Technology, Noida, U.P.*

7. Scaling of Dielectric Relaxation Spectra in PbI_2 Doped Superionic Glass System

   M.S. Jayswal, D.K. Kanchan, P. Sharma, N. Gondaliya.

   Crystalline and Non- Crystalline Solids: Preparation and Characterization, Physics Department, M.S. University of Baroda, 2012, *Vadodara, Narosa Publishing House, ISBN:* 978-81-8487-384-9.