

Papers published in National/International Journals

1. Thermally stimulated luminescence studies of undoped, Cu and Mn doped lithium borate Compounds.
J. Manam, A. K. Singh & **S. K. Sharma**
Indian Journal of Physics, 76A (6), 549-552 (2002).
2. Thermally stimulated luminescence studies of undoped, Cu and Mn doped magnesium borate compounds.
J. Manam & **S. K. Sharma**
Asian Journal of Physics, 12 (4) (2003).
3. Thermally stimulated luminescence studies of undoped and doped calcium borate compounds.
J. Manam & **S. K. Sharma**
Semiconductor Physics, Quan. Electr. & Optoelect., 6 (4), 465-470 (2003).
4. Thermally stimulated luminescence studies of undoped and doped $K_2B_4O_7$ compounds.
J. Manam & **S. K. Sharma**
Nuclear Instrum. & Methods in Physics Research B, 217 (2), 314-320 (2004).
5. Thermally stimulated luminescence studies of BaB_4O_7 compound.
J. Manam & **S. K. Sharma**
Journal of Materials Science, 39, 6203-6208 (2004).
6. Evaluation of trapping parameters of thermally stimulated luminescence glow curves in Cu doped $Li_2B_4O_7$ phosphor.
J. Manam & **S. K. Sharma**
Radiation Physics & Chemistry, 72, 423-427(2005).
7. Determination of trapping parameters from thermally stimulated luminescence glow curves of Mn doped $Li_2B_4O_7$ phosphor.
J. Manam & **S. K. Sharma**
Radiation Effects & Defects in Solids, Vol. 163, No. 10, 813–819 (2008).
8. Study of Kinetic parameters of $K_2Ca_2(SO_4)_3$ thermoluminescence dosimeter.
A.Choubey, S. Das, **S. K. Sharma** & J. Manam
Radiation Effects & Defects in Solids, Vol. 164, No.12, 779–787 (2009).

9. Thermoluminescence Investigations in X-ray Irradiated CaS Phosphor
S. Adhikary, A. Choubey, S. Das, **S. K. Sharma** & J. Manam
Journal of Alloys and Compounds 489 (1) 4-8 (2010)
10. Preparation, characterization and study of optical properties of ZnS nanophosphor
J. Manam, V. Chatterjee, S. Das, A. Choubey & **S. K. Sharma**
Journal of Luminescence 130 (2) 292-297 (2010).
11. Calculation for the trapping parameters of $K_3Na(SO_4)_2$ phosphor by isothermal luminescence decay method.
A.Choubey, S. Das, **S. K. Sharma** & J. Manam
Materials Chemistry & Physics, 120 472-475 (2010).
12. Studies on optoelectronic properties of Eu^{3+} activated LaOCl nanophosphor.
A. Choubey, S. Som, R. Kumari & S. K. Sharma
Modern Physics Letters B (Accepted)

Papers presented in Conference/Seminar/Symposium

1. Study of trapping parameters of thermally stimulated luminescence glow curves in Cu and Mn doped lithium borate compounds.
J. Manam & **S. K. Sharma**
90th Indian Science Congress (3-7 Jan.-2003), Bangalore University, Bangalore.
2. Evaluation of trapping parameters of thermally stimulated luminescence glow curves in Cu doped magnesium borate phosphor.
J. Manam & **S. K. Sharma**
National Symposium on Luminescence and Applications (12-14Feb.-2003), National Physical Laboratory, New Delhi.
3. Trapping parameters of Cu doped magnesium borate phosphor by isothermal luminescence decay method.
J. Manam & **S. K. Sharma**
91th Indian Science Congress (3-7 Jan.-2004), Punjab University, Chandigarh.

4. Determination of trapping parameters of $\text{Na}_2\text{B}_4\text{O}_7$ phosphor by isothermal luminescence decay method.
J. Manam & S. K. Sharma
International Conference on Luminescence and its Applications (9-12 Feb.-2004),
Bhaba Atomic Research Center, Mumbai.
5. Structural and thermally stimulated luminescence studies of $\text{Na}_2\text{B}_4\text{O}_7$ compound.
J. Manam & S. K. Sharma
National Conference in Emerging areas of Applied Physics (21-23 Feb.-2004),
Indian School of Mines, Dhanbad.
6. Spectral Analysis of thermally stimulated luminescence of Cu doped $\text{Li}_2\text{B}_4\text{O}_7$ and $\text{K}_2\text{B}_4\text{O}_7$ compounds.
J. Manam & S. K. Sharma
First International Conference on Advances in Optical Materials, 12-15 Oct 2005,
Tucson, Arizona (USA).
7. Dosimetric characteristics of Cu and Mn doped tetra borate compounds.
J. Manam & S. K. Sharma
National Conference on Luminescence and Applications (18-20 Jan-2007), Bharathiar
University, Coimbatore.
8. Quantum Squeezing effects of the Electromagnetic field in Nonlinear Optical Processes.
D. K. Giri & S. K. Sharma, First Uttarakhand State Science & Technology Congress,
10-11 Nov. 2006, Dehradun Institute of Technology, Dehradun.
9. Studies on the properties of polymeric materials under the fast heavy ion beam irradiation
S. K. Sharma & A. Choubey
National Seminar on Recent Advances in Materials Science, 15-17 Feb. 2008, ISM,
Dhanbad-826004 (Jharkhand)
10. High efficiency III-V concentrator multi-junction solar cells: A Review
S. K. Sharma
National Seminar on Recent Trends in Renewable Energy Sources and Technologies,
26-28 March-2008, HNB Garhwal University, Srinagar (Garhwal) Uttarakhand-246174

11. Thermally stimulated luminescence studies of potassium sodium mixed sulphate phosphor
Anjani Choubey and **S. K. Sharma**
12. National Seminar on Frontiers in Electronics, Communication, Instrumentation and Information Technology, Department of Electronics & Instrumentation, 13-15 October 2008, I.S.M.University, Dhanbad.
13. Thermally stimulated luminescence studies of potassium calcium mixed sulphate phosphor
Anjani Choubey and **S. K. Sharma**
National Conference on Luminescence & its Applications, 19-21 Feb, 2009, CGCRI, Kolkata.
14. Reflectance studies of undoped and doped BaCl₂
Ranjita Kumari, A. Choubey and **S. K. Sharma**
National Seminar on Recent Trends in Emerging Frontiers of Physical Sciences, 02-03 November 2009, Sindri College, Sindri, Dhanbad.
15. Structural and Photoluminescence studies of K₃Na(SO₄)₂ : Eu nanophosphor
A. Choubey & **S. K. Sharma**
International Conference on Nanoscience and Technology in Chemistry, Health, Environment and Energy, 7 – 9 January, 2010, Department of Chemistry, Dayalbagh Educational Institute, Dayalbagh, Agra – 282 110.
16. Structural and Photoluminescence studies of K₂Ca₂(SO₄)₃ : Eu nanophosphor
A. Choubey and **S. K. Sharma**
National Seminar on Photonics and Materials, 25-27 March, 2010, Department of Applied Physics, Indian School of Mines, Dhanbad.
17. Low energy ion induced thermoluminescence of K₃Na(SO₄)₂ phosphor
A. Choubey and **S. K. Sharma**
I International Conference on New Trends in Luminescence and Phosphors Materials, 4-9, October 2010, Hermosillo, Sonora, Mexico.