

Optically Stimulated Luminescence (OSL) Fluorescent Nuclear Track Detector (FNTD) Technologies

Mark Akselrod, Ph.D.

Chief Scientist

Executive Manager

1. M. S. Akselrod, V. V. Fomenko, J. A. Bartz and T. L. Haslett, **Automatic Neutron Dosimetry System Based on Fluorescent Nuclear Track Detector Technology**, Radiat. Prot Dosim., 161 (1–4), 86–91 (2014)
2. M.S. Akselrod, G.J Sykora **Fluorescent Nuclear Track Detector Technology - A New Way to do Passive Solid State Dosimetry**, Radiat. Meas., 46 1671-1679 (2011)
3. Mittani, J.C.R., Silva, A.A.R.d., Vanhavere, F., Akselrod, M.S., Yukihiro, E.G., 2007b. **Investigation of Neutron Converters for Production of Optically Stimulated Luminescence (OSL) Neutron Dosimeters Using $Al_2O_3:C$** Nucl. Instr. Meth. Phys. Res. B 260, 663-671 (2007)
4. M. S. Akselrod, S. W. S. McKeever, and L. Botter-Jensen, **Optically Stimulated Luminescence and its Use In Medical Dosimetry**, Radiat. Meas. 41S1 S78-S99 (2007)
5. M. S. Akselrod, N. Agersnap Larsen and S. W. S. McKeever, **A Procedure for the Distinction Between Static and Dynamic Radiation Exposures of Personal Radiation Badges Using Pulsed Optically Stimulated Luminescence**, Radiat. Measurements, Volume 32, 215-225 (2000)
6. M. S. Akselrod and S. W. S. McKeever, **A Radiation Dosimetry Method Using Pulsed Optically Stimulated Luminescence**, Radiat. Prot. Dosim., Volume 81, No 3, 167-176 (1999)

These sources are provided as helpful references. Please access articles directly from the publications cited.