

REFERENCES

- 1 Nayyar, S.S., Jain, V.K., Nagpalsing, J.B. and Shenoy, K.S.,
Radiation Protection Monitoring, SM-114/11, IAER, 1968.
- 2 Brodsky, A., Spritger, A.A., Feagin, F.F., Bradler, F.J.,
Karohe, G.J. and Mandelberg, H.H., Health Physics, 11,
1071, 1965.
- 3 Neuberger, H.H. and Cochran, D.R., J. Applied Meteorology, 5,
358, 1966.*
- 4 Daniels, F., Charles, A.G.B. and Saunders, D.F., Science,
117, 343, 1953.
- 5 Daniels, F., Proc. Int. Conf. Lumin. Dosimetry, Stanford
1965, ed., by F.H. Attix, Conf. 650637, pp.34, 1967.
- 6 Swinehart, C.F., "Thermoluminescence Doubly Doped LiF
Phosphor", US Patent 3320180, 1967.
- 7 Seitz, F., J. Chem. Phys. 6, 150, 1938.
- 8 Williams, F.E., J. Chem. Phys. 19, 457, 1951.
- 9 Johnson, R.P. and Williams, F.E., J. Chem. Phys. 20,
124, 1952.
- 10 Johnson, R.P. and Williams, F.E., J. Chem. Phys. 21, 125,
1953.
- 11 Butler, K.H., J. Electrochem. Soc., 103, 508, 1956.
- 12 Knox, R.S. and Dexter, D.L., Phys. Rev., 104, 1245, 1956.
- 13 Patterson, A. and Klick, C.C., Phys. Rev., 105, 401, 1957.
- 14 Ewles, J. and Joshi, R.V., Proc. Roy. Soc., A, 254, 358,
1960.
- 15 Curtice, R.E. and Scott, A.B., Inorg. Chem. 3, 1383, 1964.
- 16 Joshi, R.V. and Nene J.G., Z. Fur. Krist. 157, 167, 1981.
- 17 Joshi, R.V. and Nene J.G., Indi. J. Pure and App. Phys., 19,

- 1033, 1981.
- 18 Goldberg, P., Luminescence of Inorganic Solid (Academic Press, New York) 1966.
- 19 Joshi, R.V. and Menon, A.K., Phil. Mag. 12, 963, 1965.
- 20 Joshi, R.V. and Mathews, P.P., Ind. J. Pure and App. Phys. 10, 319, 1972.
- 21 Barghare, S.P., Joshi, R.V., Joshi, T.R. and Kathuria, S.P. Radiation Effects, 66, 217, 1982.
- 22 Mehendru, P.C. and Radhakrishna, S.J., Phys. C. Solid State 2, 796, 1968.
- 23 Hageseth, G.T., Phys. Rev. B5, 4060, 1972.
- 24 Ausin, V. and Alvarez Rivas, J.L., J. Phys. C. Solid State Phys. 5, 82, 1972.
- 25 Murti, Y.V.G.S., Murthy, K.R.M. and Ramasastry, C.J., Phys. C. Solid State Phys. 4, 1606, 1971.
- 26 Sastry, S.B.S., Viswanathan, V. and Ramasastry, C. Phys. Stat. Sol. (b) 55K21, 1973.
- 27 Delbecq, C.J., Ghosh, A.K. and Yuster, P.H. Phys. Rev., 151, 599, 1966.
- 28 Braner, A.A. and Israeli, M., Phys. Rev. 132, 2501, 1963.
- 29 Fieschi, R. Scaramelli, P. and BoSacchi, B., Phys. Rev., A138, 1760, 1956.
- 30 Scaramelli, P. Nuovo Cimento, 45, 119, 1966.
- 31 Kristianpoller, N. and Israeli, M., Phys. Stat. Sol. 47, 487, 1971.
- 32 Seitz, F., J. Chem. Phys., 21, 125, 1938.

- 33 Johnson, P.D. and Williams, F.E., J. Chem. Phys. 21, 125, 1953.
- 34 Joshi, R.V. and Menon, A.K., Ind. J. Pure and Appl. Phys., 5, 120, 1967.
- 35 Joshi, R.V. and Joshi, T.R., J. Lumin., 10, 389, 1971.
- 36 Kathuria, S.P., Sunta, C.M., Sasidharan and Jain, V.K., Proc. of Natl. Symp. on TL and its applications. R.R.C. Madras, Feb. 12-15, p-690, 1975.
- 37 Zeller, E.J., Vary, J.L. and Daniels, F., J. Chem. Phys., 23, 2187, 1955.
- 38 Johnson, N.M. and Daniels, F., J. Chem. Phys. 34, 1434, 1961.
- 39 Akolekar, Manik S., Ph.D. Thesis, M. S. University of Baroda, Baroda, 1985.
- 40 Chaudheri, S.R., Ph. D. Thesis, M.S. University of Baroda, Baroda, 1990.
- 41 Bjarngard, B.E., Health Phys., 40, 913, 1981.
- 42 Hoffman, M.W., Ann. Phys. Chem. 60, 269, 1897.
- 43 Daniels, F., TL and related properties of crystals, Symp. on Chem. and Phys. of Rad. Dosim., Technical Command, Army Chem. Cent. Maryland, 1950.
- 44 Heckelsberg, L.H. and Daniels, F., TL of 14 alkali halide crystals, J. Phys. Chem. 61, 414, 1957.
- 45 Daniels, F., Early Studies of TL radiation dosimetry, Proc.I.Conf. Lumin. Dosim., Pub. AEC Symp. Sem. Vol.8, CONF-650637, Ed. F.H. Attex, 1966.
- 46 Ginther, R.J. and Kirk, R.D., TL of CaF₂:Mn and its application to dosimetry, Progr. Rept., NRL, Sept. 1956.

- 47 Nonsenko, V.M., Revzin, L.S. and Jaskolko, V.L., Use of $\text{CaSO}_4\text{:Mn}$ in dosimetry of ionizing radiation, IZV. Akad. Nauk SSSR (fiz), 26, 2046, 1956.
- 48 Schayes, R., et al., TL dosimetry, pts. I-IV, Revue MBLE, Vols. V - VI, 1962.
- 49 Cameron. J. R., Suntharalingam, N. and Kenny G. N., Thermoluminescent Dosimetry, The University of Wisconsin Press, 1968.
- 50 Kastner, T., Hukkoo, R. and Oltman, B. G., LiF TL dosimetry for beta rays. Lumin. Dosimetry, Proc. Inst. Conf. Stanford, 1965, AEC Symp. Ser., Vol. 8, CONF - 650637, USAEC, 1967.
- 51 Attix, F.H. Health Phys., 22, 287, 1972.
- 52 Becker, K., Health Phys., 23, 734, 1972.
- 53 Becker, K., Solid State Dosimetry, CRC Press Cleveland, Ohio, 1973.
- 54 Harvey, J. R., Some applications of low dose TL measurements with CaF_2 , proc. Int. conf. Lumin. Dosim., Pub. AEC Symp. Ser. Vol. 8, P.380. CONF-650637, Ed. F. H. Attix, 1966.
- 55 Aitken, M.J., Fleming, S.J., Doell, R.R. and Tanguy, J.C., TL study of lavas from Mt. Etna and other historic flow: Preliminary results, TL of Geological Materials, ed. D.J. Mc Dougall, Academic Press, P.359, 1968.
- 56 Crosby et al, Use of LiF dosimetry for in vivo measurement of transmission through bone and lung, proc. I, Conf. Lumin. Dosim., AEC Symp. Ser. Vol. 8, P.380, CONF-650637, ed. F.H. Attix, 1966.

- 57 Lakshmanan, A.R. et al., J. Appl. Rad. Inst., 34, 107, 1979.
- 58 Lakshmanan, A.R. and Tuyn. J.W.N., Radiat. Prot. Dosim. 18,
229, 1987.
- 59 Horowitz, Y.S. Radiat. Prot. Dosim. 33, 255, 1990.
- 60 Horowitz, Y.Z., Moscovitch, M. and Wilt, M., Nucl. Instrum.
Methods A 244, 556, 1986.
- 61 Nakajima, T., Murayama, Y., Matsuzawa, T. and Koyano, A.,
Nucl. Instrum. Meth. 157, 155, 1978.
- 62 Shoushan, W., Guolong, C., Fang, W., Yuanfang, L., Ziyang, Z,
and Jiamhuan, Z., Radiat. Prot. Dosim. 14(3), 223, 1986.
- 63 Wang, S.S., Cai, G.G., Zhou, K.Q. and Zhou, R.X., Radiat.
Prot. Dosim. 33(1-4), 247, 1990.
- 64 Takenaga, M., Yamamoto, O. and Yamashita, T., Nucl. Instr.
Meth. 175(1) 77, 1980.
- 65 Casal, E., Gil, J.A., Llorca, N. and Martinez, J.M., Radiat.
Prot. Dosim. 30, 23, 1990.
- 66 Vohra, K.G., Bhatt, R.C., Bhuwan Chandra, Pradhan, A.S.,
Lakshmanan, A.R. and Shastry, S.S. Health Phys. 38, 193,
1980.
- 67 Prokic, M., Nucl. Instrum. Methods 175, 83, 1980.
- 68 Lakshmanan, A.R., Kher, R.K. and Madhavanath, U., Radiat.
Prot. Dosim. 30, 179, 1990.
- 69 Akselrod, M.S., Kortov, V.S., Kravetsky, D.J. and Gotlib,
V.I., Radiat. Prot. Dosim. 33, 123, 1990.
- 70 Sahare, P.D. and Moharil, S.V., J. Phys. D. Appl. Phys. 23,
567, 1990.
- 71 Selvasekarapandian, S. Thermoluminescence and its

- Applications, Tata McGraw-Hill Publishing Company Limited, New Delhi, Ed. T.R. Joshi et al, p-69, 1992.
- 72 Mahajan, O.H., Joshi, T.R., Nambi, K.S.V. and Joshi, R.V., Health Phys. (U.S.A.), 1985.
- 73 Joshi, R.V., Joshi, T.R. and Dhake, K.P.D., Bulletin of Radiation Protection, Vol.3, No.1 and 2, Jan.-June, 1980.
- 74 Nehate, A.K., Joshi, R.V., Kathuria, S.P. and Joshi, T.R., Radiation effects. 1982, Vol.62, pp.101, 1982.
- 75 Joshi, R.V., Joshi, T.R., Mahajan, O.H. and Kathuria, S.D., Journal of Luminescence 31 & 32 (1984) 142-144, North Holland Amsterdam, 1984.
- 76 Nehate, A.K., Joshi, T.R., Kathuria, S.P. and Joshi, R.V., Health Physics, 1986.
- 77 Joshi, R.V., Joshi, T.R., Dhake, K.P.D. and Kathuria, S.P., Health Physics, 44, 29, 1983.
- 78 Srinivas, M., Ph.D. Thesis, M.S. University of Baroda, Baroda, 1989.
- 79 Heywood, E.F. and Clarke, K.H., Australian Physical and Engineering Science in Medicine, Vol.3, No.5, P.210 (P.I.) and P 219 (P.II) 1980.
- 80 Schneider, I., Appl. Opt. 6, 2197, 1967.
- 81 Schneider, I., Marrone, M. and Kalber, M.N., Appl. Opt. 9, 1163, 1970.
- 82 Zhao Jianai, Wan Liangfeng, Shaozhang, J. Phys. C, Vol.19, No.23, P.4579-84, 1986.