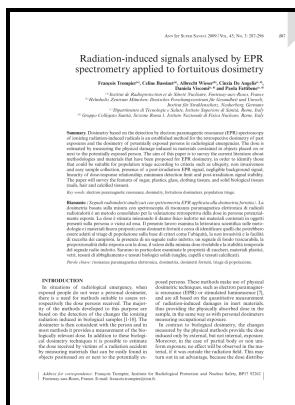


Dosimetric properties of clear fused quartz and CR-39 using electron spin resonance and thermoluminescence techniques

University of Birmingham - thermoluminescence optical absorption: Topics by Science.gov



Description: -

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These anions can adsorb on goethite surfaces competitively. Moreover, information about kinetics will be accessible from varying the rate of change in field strength, and the effects of ambient fluid conditions can be investigated in real time with a flow-through arrangement. ISSN 0022-328X Basu, Julie ;

Items where Year is 1987

Based upon the known composition, attenuation properties and geometry of the materials along the particles path, the energy at entrance to the polystyrene phantom was calculated to be 128. A suitable dosimetric material must be available in practically all persons exposed and it must be sensitive to radiation in terms of providing a signal that can be measured. Frequency tuning and parametric actuation are also studied.

gaas single crystal: Topics by Science.gov

A selection of experimental LM-OSL curves and their corresponding CW-OSL curves is shown in Fig. A thickness of 3 mm, much shorter than half a wavelength of the TE¹¹ mode in the dielectric as in the conventional window unfeasible and too expensive with CVD-diamond at these frequencies , is sufficient to limit the exerted stress at the edge under the fracture stress for a maximum pressure applied of 0.

Optically Stimulated Luminescence Dosimetry

Under this condition, molecular transitions can be easily saturated giving rise to the usual Lamb dips or hole burning. Dose and dose rate dependence of the diamond response was measured: deviations from linearity resulted to be within ±0.

Items where Year is 1986

Instead a best estimate of 1. The etch process effectively reveals the characteristic {111} diamond crystal planes, creating a precisely defined angled 54. Citric acid, tartaric acid, sucrose, glycine and urea were used as the fuels and nitrate ions and nitric acid were used as oxidizers.

Principles of Electronic Materials & Devices [4 ed.] 0078028183, 9780078028182

In particular, we identify cases where level coincidences depend on only two independent parameters thus making the level coincidences robust, i. Next to the air kerma value, reference values were obtained by thermally annealed pieces of glass taped onto the screen, LiF dosimeters and thin-layer LUXEL dosimeters in the phone.

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As expected, strain rates at the spall plane are much higher than the strain rates estimated from the free surface velocity release rate.

quartz approaching beta: Topics by Science.gov

The constraint limits the maximum scan frequency and, therefore, the RS signal-to-noise gain. ISSN 0300-9238 Das, Kalyan Kumar ; Mukherjee, D.

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