

INVESTIGATION OF THERMALLY  
STIMULATED LUMINESCENCE  
OF  $\text{Li}_2\text{B}_4\text{O}_7 : \text{Tm}^{3+}$  CRYSTALS

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S u m m a r y

Thermally stimulated luminescence of Tm-doped lithium tetraborate crystals  $\text{Li}_2\text{B}_4\text{O}_7$  obtained by recrystallization annealing of glass is investigated. A possibility of efficient control over luminescence of lithium tetraborate owing to the domination of the capture of current carriers by  $\text{Tm}^{3+}$  ions as compared with matrix capture centers of the hole nature is shown.