

## **Photodynamic processes and laser performance of Ce, Yb: LiYXLu1-XF4 mixed crystals**

Nurtdinova L., Semashko V., Korableva S., Nizamutdinov A., Marisov M.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

Photodynamic processes and temperature dependencies of lasing in Ce+Yb:LYLF mixed crystals are investigated. The mechanisms leading to the observed phenomena and allowing control on the optical qualities of the active media are discussed. © OSA 2013.

---