Optics InfoBase Conference Papers, 2013

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

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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.