

## **Er:KY(WO<sub>4</sub>)<sub>2</sub> and Er:LiYF<sub>4</sub> crystals for eye-safe in-band pumped lasers**

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### **Abstract**

© OSA 2015. Laser operation of in-band pumped Er:KY(WO<sub>4</sub>)<sub>2</sub> and, for the first time to our knowledge, Er:LiYF<sub>4</sub> crystals was demonstrated. The maximal slope efficiencies of 40% and 21% were obtained for Er:KY(WO<sub>4</sub>)<sub>2</sub> and Er:LiYF<sub>4</sub> crystals, respectively.

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