

# LiGaSe<sub>2</sub> optical parametric oscillator pumped by a Q-switched Nd:YAG laser

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## Abstract

Optical parametric oscillation is demonstrated for the first time with the chalcogenide nonlinear crystal LiGaSe<sub>2</sub> pumped by a nanosecond Nd:YAG laser. Angle tuning provides coverage of the 4.8–9.9 μm spectral range in the mid-IR by idler pulses.

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