

Single-photon emitters based on NIR color centers in diamond coupled with solid immersion lenses

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Received 20 September 2014

Revised 31 October 2014

Accepted 3 November 2014

Published 10 December 2014

Single-photon sources represent a key enabling technology in quantum optics, and single color centers in diamond are a promising platform to serve this purpose, due to their high quantum efficiency and photostability at room temperature. The widely studied nitrogen-vacancy (NV) centers are characterized by several limitations, thus other defects have recently been considered, with a specific focus of centers emitting in the near-infra red (NIR). In the present work, we

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