

High-power low-noise single frequency tunable laser at 624 nm

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In this work, more than 5 W of output power is obtained between 616.5 nm and 630.8 nm using sum frequency generation of 1 μm and 1.5 μm laser sources in a PPLN crystal with a relative intensity noise lower than -157 dB/Hz at 5 MHz.

Primary authors: DARWICH, Dia (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); PRAKASH, Roopa (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); DIXNEUF, Clément (Azur Light Systems, Pessac, France); BARDIN, Yves-Vincent (Azur Light Systems, Pessac, France); GOEPPNER, Mathieu (Azur Light Systems, Pessac, France); GUIRAUD, Germain (Azur Light Systems, Pessac, France); TRAYNOR, Nicholas (Azur Light Systems, Pessac, France); SANTARELLI, Giorgio (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France); HILICO, Adèle (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France)

Presenter: DARWICH, Dia (Laboratoire Photonique Numérique et Nanosciences (LP2N), UMR 5298, CNRS-IOGS-Université Bordeaux, Talence, France)

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