

Multi-mJ SWIR OPCPA pumped and seeded with 1.2 ps Yb:YAG laser

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We developed a cost-effective broadband SWIR-MIR mJ-level OPCPA pumped and seeded with 1.2 ps Yb:YAG laser. Pulses amplified to 2 mJ in the wavelength range 1900 – 2300 nm with a pump-to-signal record conversion efficiency of ~30% and compressed up to 50 fs in 3-stage OPCPA based on BiBO.

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