

# High-power and highly-efficient laser operation of Tm<sup>3+</sup>:Ho<sup>3+</sup>-codoped silica fiber lasers emitting at 2.1 $\mu\text{m}$ and 2.2 $\mu\text{m}$

*Tuesday, 30 August 2022 17:00 (15 minutes)*

We present our recent results in high-power laser emission from 2.1 to 2.2  $\mu\text{m}$ , introducing the 79X nm pumped Tm<sup>3+</sup>:Ho<sup>3+</sup> -codoped silica fiber laser as serious alternative when it comes to power scaling within this wavelength region. In particular, a record power of 145 W has been achieved at 2.2  $\mu\text{m}$ .

## code

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