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Generation and Applications of High Average Power Mid-IR Supercontinuum in Chalcogenide Fibers

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Abstract: Mid-infrared supercontinuum with up to 54.8 mW average power, and maximum bandwidth of 1.77-8.66 μm is demonstrated as a result of pumping tapered chalcogenide photonic crystal fibers with a MHz parametric source at 4 μm .

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