



## Foerster resonance energy transfer in inhomogeneous non-dispersive nanophotonic environments

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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  $\mu\text{m}$  is demonstrated as a result of pumping tapered chalcogenide photonic crystal fibers with a MHz parametric source at 4  $\mu\text{m}$ .

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