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Broadband Terahertz Generation in Organic Crystals by Optical Rectification of Intense Mid-Infrared Pulses

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We demonstrate broadband THz generation in organic crystals driven by mid-IR $3.9\text{ }\mu\text{m}$ pulses. Due to the suppression of multi-photon absorption, we record an order of magnitude increase in the damage and optical to THz conversion saturation thresholds as compared to conventional near-IR pump schemes.

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