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Supplementary data

3D Printed tandem X-Ray detector with halide perovskite-polymer composite semiconductor absorber

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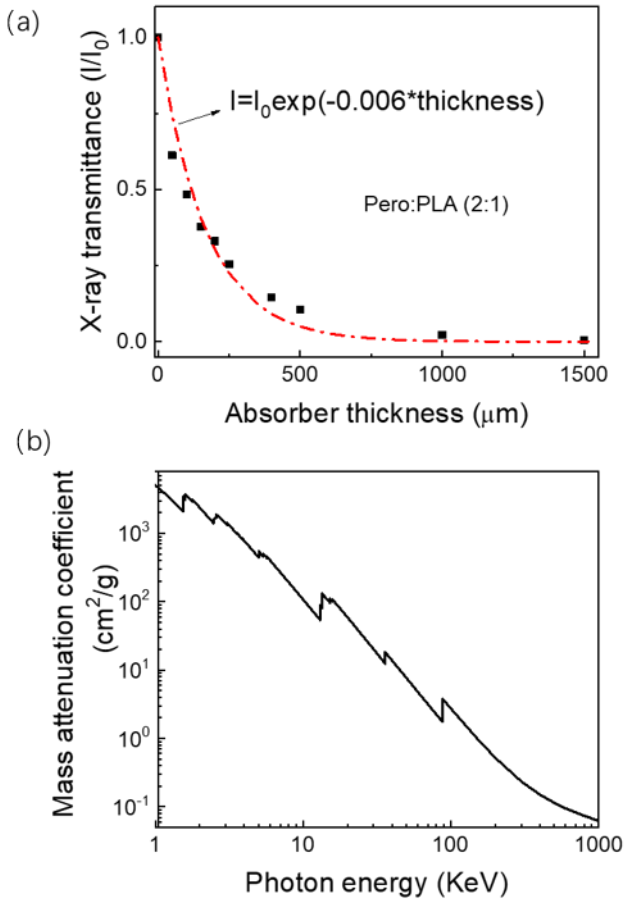

Figure S1. (a) Transmittance *vs.* absorber thickness measured with a commercial silicon photodiode integrated with a scintillator laminate for $CsPbBr_3$-PLA (2:1) composite sheets. **(b)** Literature documentation of mass attenuation coefficient *vs.* X-ray photon energy in $CsPbBr_3$.

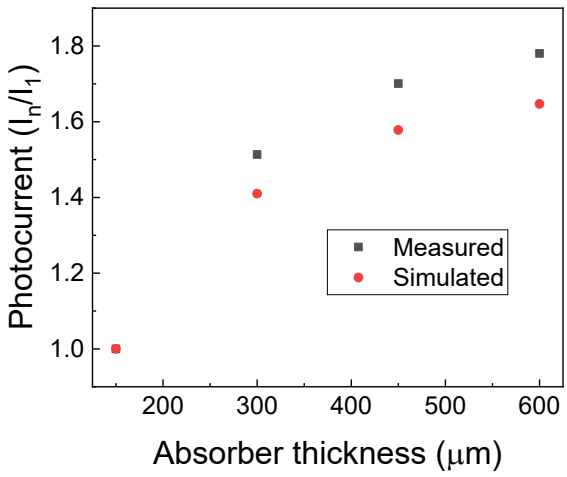

Figure S2. Comparison of simulated and measured photocurrent responses *vs.* absorber thickness in 3D-printed tandem X-ray detectors.