

Supporting Information

From BiI₃ to CuBiI₄: a Striking Improvement in Photoelectric Performance as a Novel Photodetector Candidate

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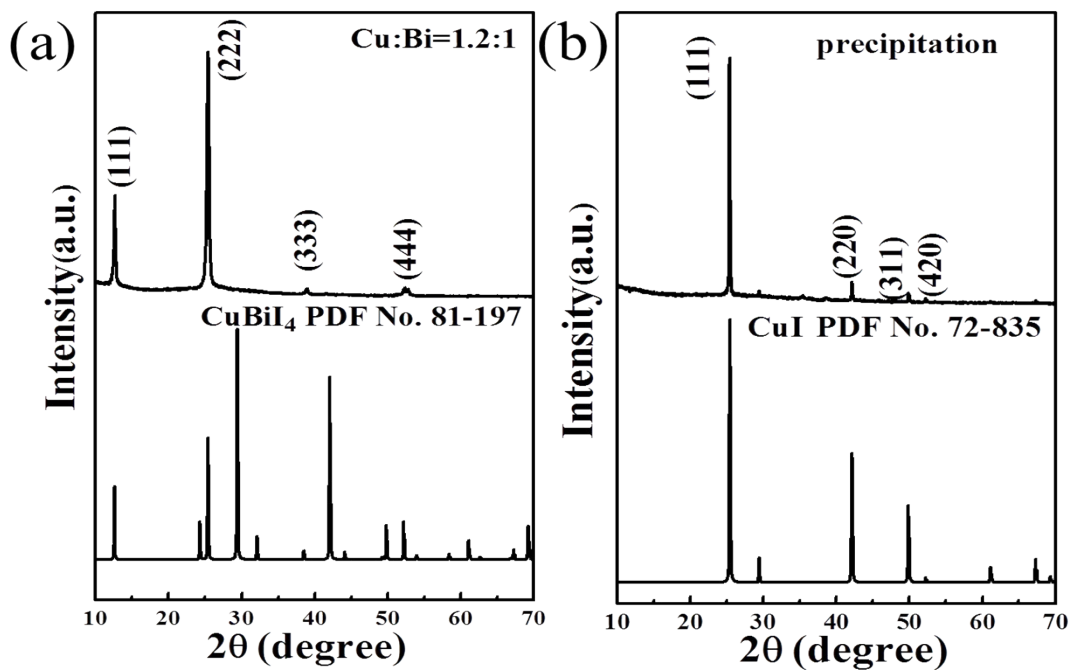


Figure S1. (a) XRD pattern of the thin films with 1.2 : 1 started Cu and Bi molar ratio; (b) XRD patterns of the precipitate that separated from the precursor solution with 1.2 : 1 started Cu and Bi molar ratio.

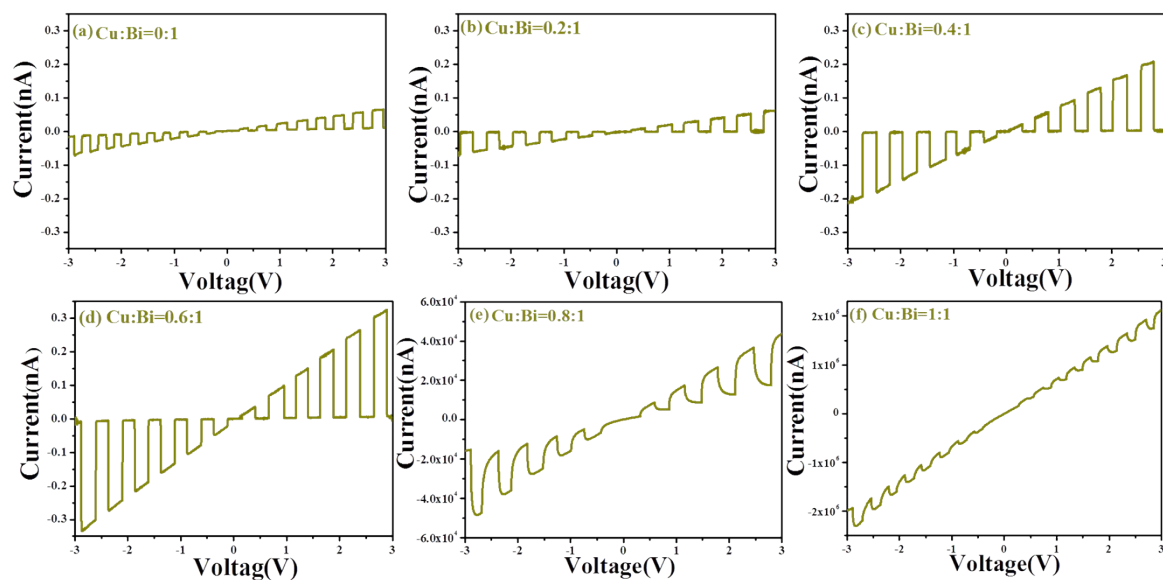


Figure S2. I-V curves of the photodetectors under on-off light illumination (100 mW/cm^2) with -3 V to 3 V bias voltage.

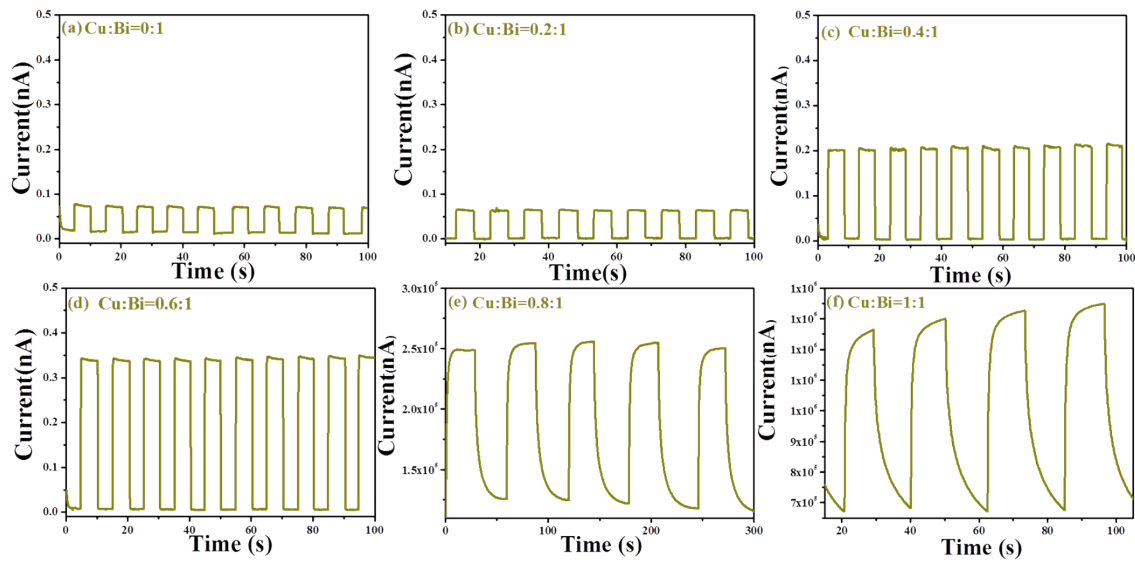


Figure S3. I-t curves of the photodetectors under on-off light illumination (100 mW/cm²) with 3 V bias voltage.