

Supplementary material

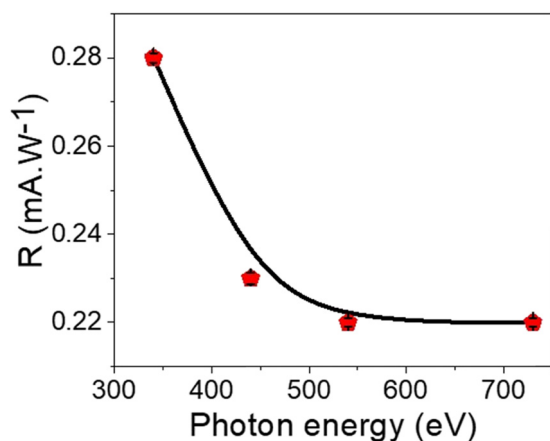


Figure S1: The sensitivity of the fabricated As(III)OI/I-PNMP/PPy optoelectronic device through the evaluation of the wavelengths.

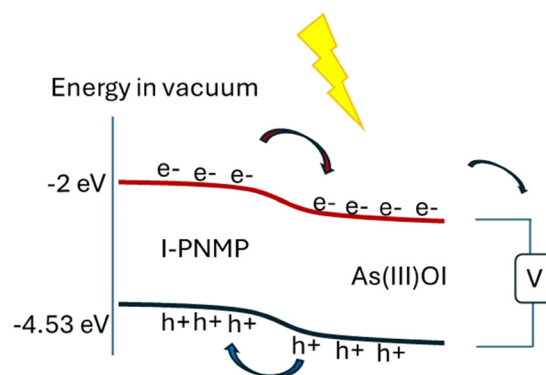


Figure S3: The schematic diagram of the electron transfer through the As(III)OI/I-PNMP/PPy-based device.

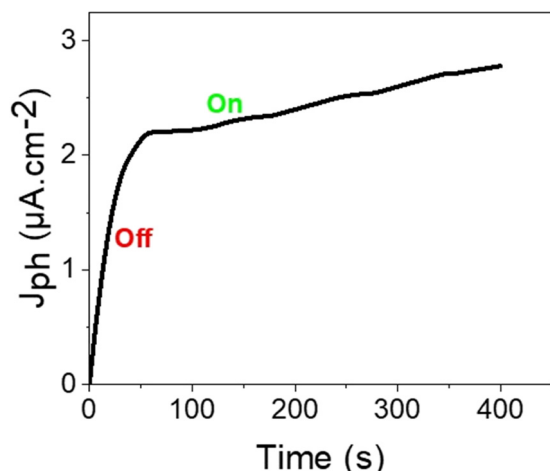


Figure S2: Stability of the As(III)OI/I-PNMP/PPy-based device under transitions from dark to light illumination at a small applied potential of 0.1 V.