

Supporting information for:

Highly sensitive broadband flexible photodetectors based on the blend film with zinc octaethylporphyrin long nanowires embedded in an insulating polymer

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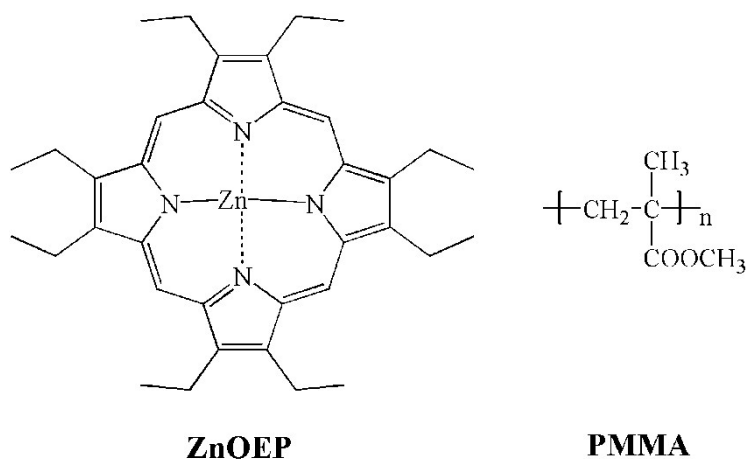


Figure S1. Molecular structures of ZnOEP and PMMA.

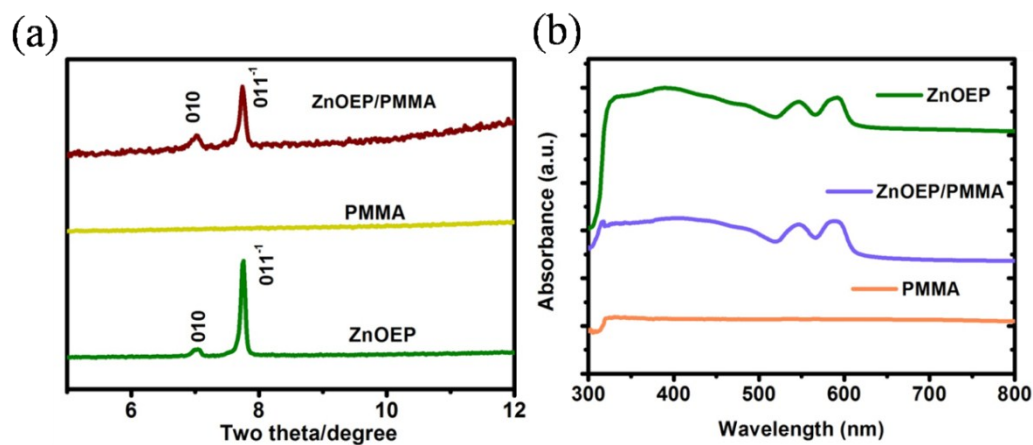


Figure S2.(a) XRD and UV-vis absorption spectra of ZnOEP, ZnOEP/PMMA, and PMMA films.

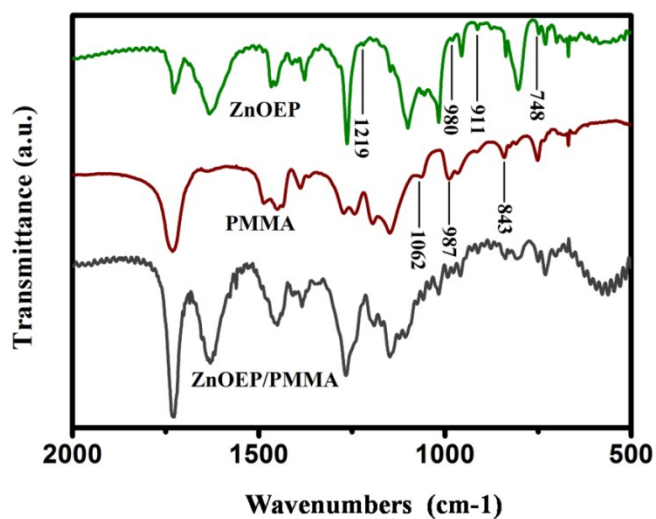


Figure S3. FTIR spectra of ZnOEP, ZnOEP/PMMA, and PMMA films.

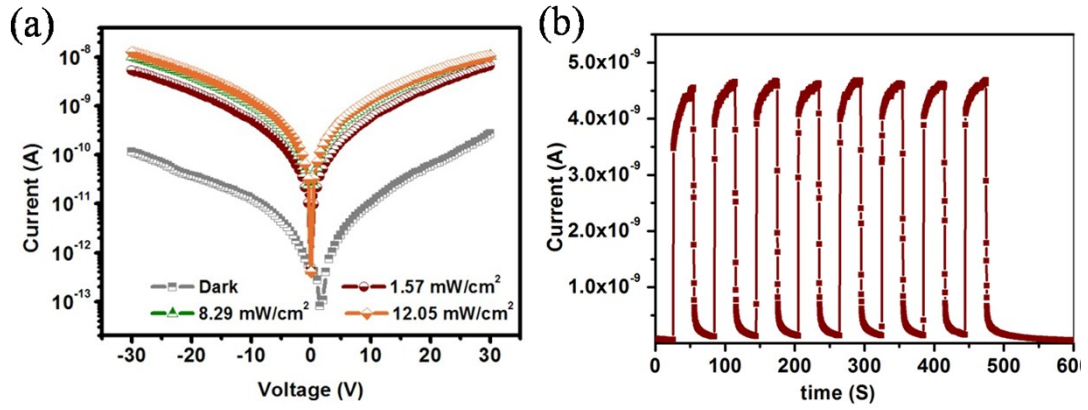


Figure S4. (a) Current in dark and under illumination versus voltage at different incident power densities. (b) Time-dependent on/off switching of the photodetector. The light power density was 12.05 mW/cm² and the bias of V_{DS} was 20 V.

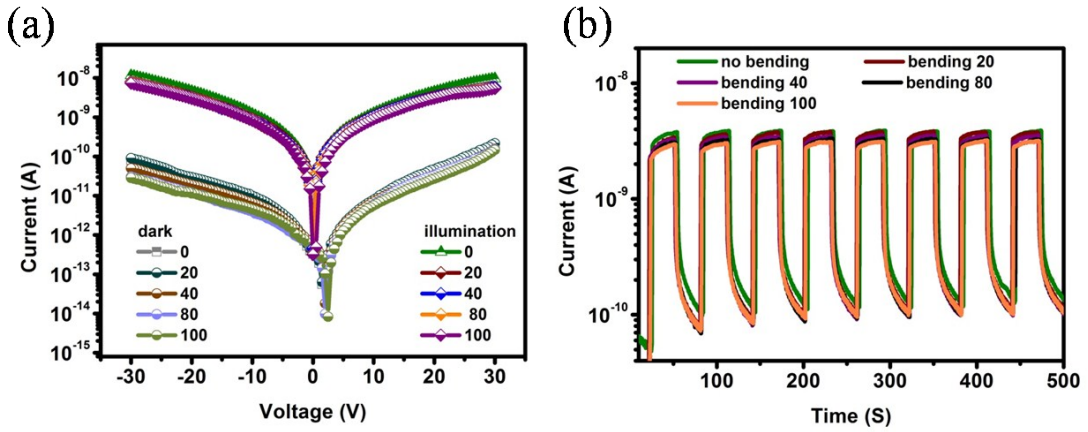


Figure S5. (a) Current in dark and under illumination versus voltage after different bending times. (b) Time-dependent on/off switching of the device after different bending times. The light power density was 12.05 mW/cm² and the bias of V_{DS} was 20 V.