

Supplementary Information

Synergistic UV and humidity response of flexible MoS₂/Kapton heterointerfaces via photogenerated charge transfer

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2. Time-dependent humidity response and recovery of the MoS₂/Kapton heterojunction sensors

Figures in Supplementary Information

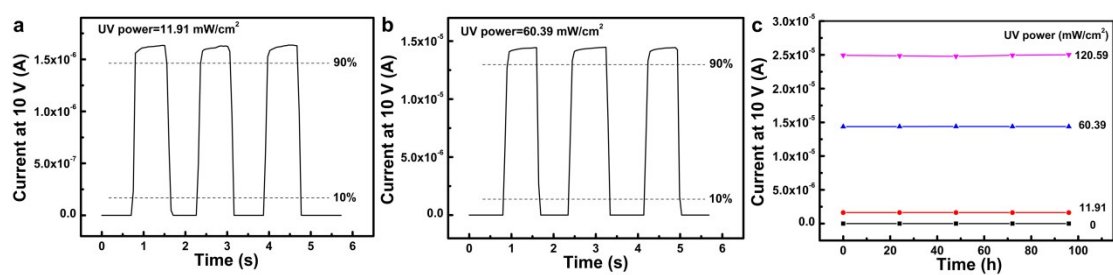


Figure S1. Dynamic UV response of the MoS₂/Kapton heterojunction sensors under UV powers of (a) 11.91 mW/cm² (kink point No.1) and (b) 60.39 mW/cm² (kink point No.2), respectively. (c) Long-term stability test of its UV response under different UV powers.

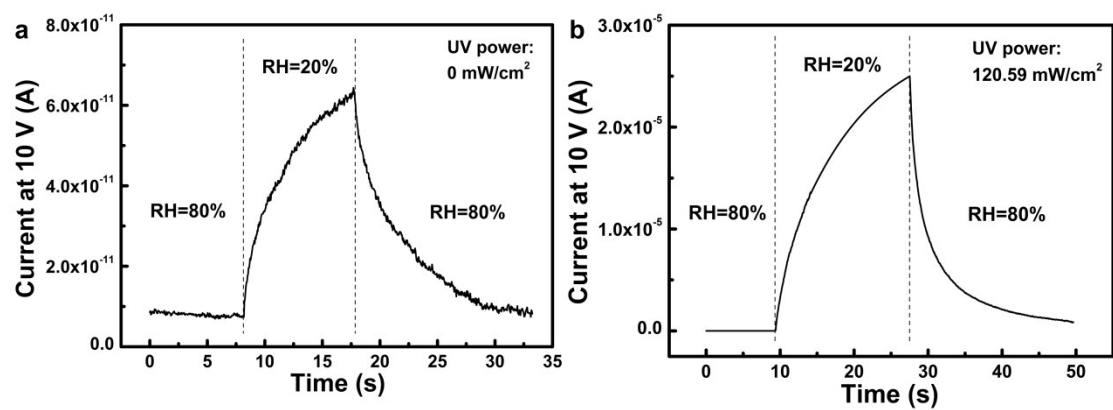


Figure S2. Dynamic humidity response of the MoS₂/Kapton heterojunction sensors under UV powers of (a) 0 and (b) 120.59 mW/cm², respectively.