

Supplementary information

The Epitaxial Growth of ZnS Nanowire Arrays and Their Applications in UV-Light Detection

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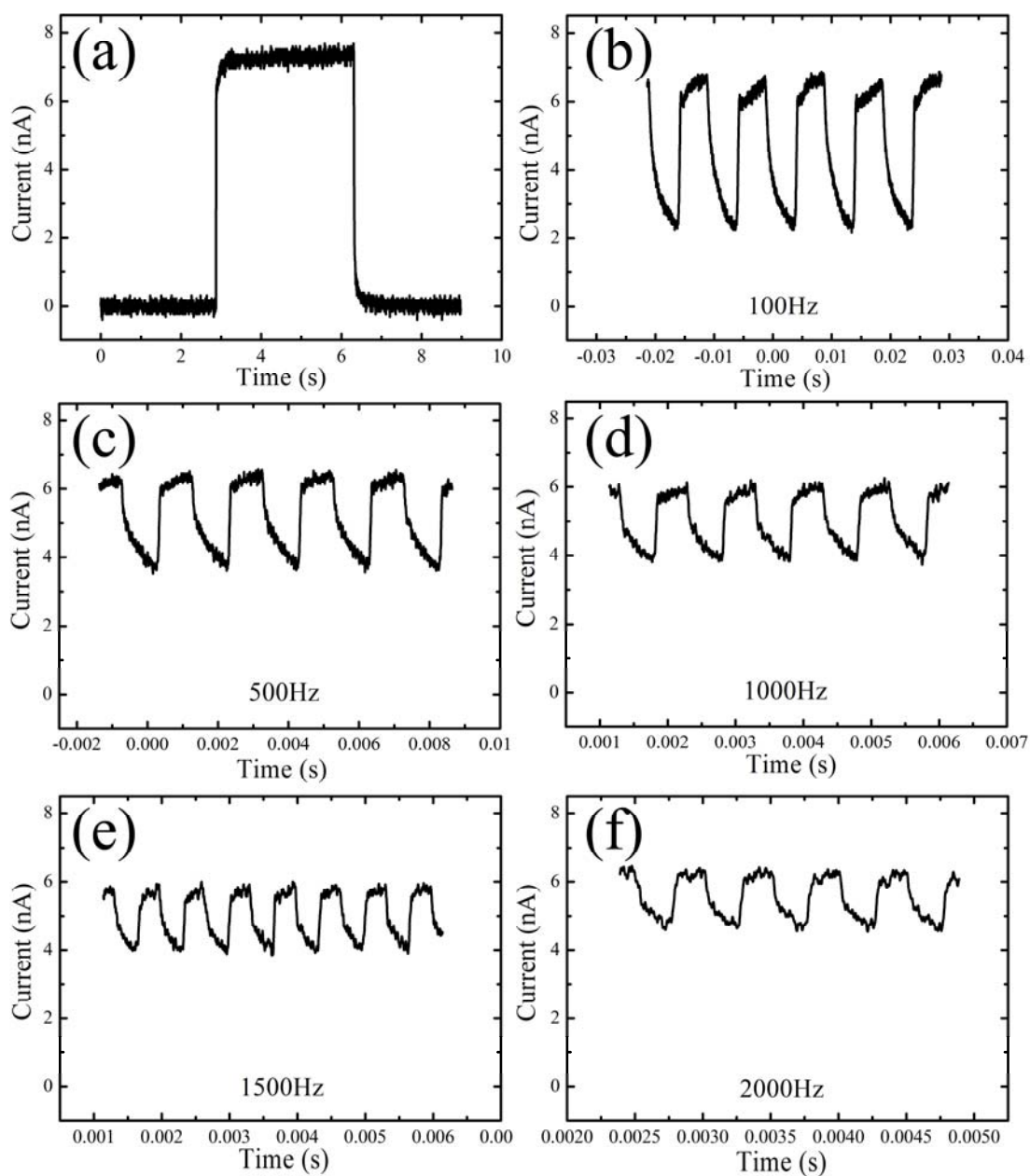


Fig. S1 Time response of the ZnS NWA photodetector at 1 V under pulsed 325 nm light illumination of 3.9 mW cm^{-2} power density.

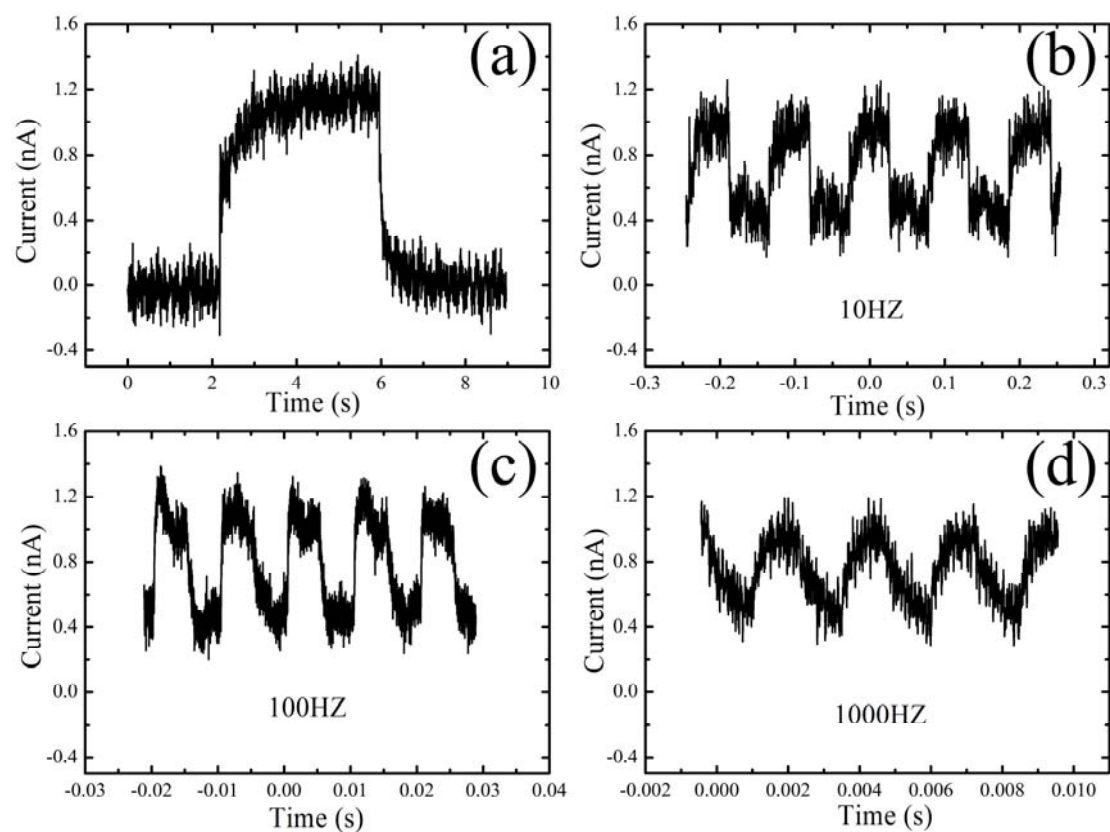


Fig. S2 Time response of the ZnS NWA photodetector at 1 V under pulsed 325 nm light illumination of $200 \mu\text{W cm}^{-2}$ power density.

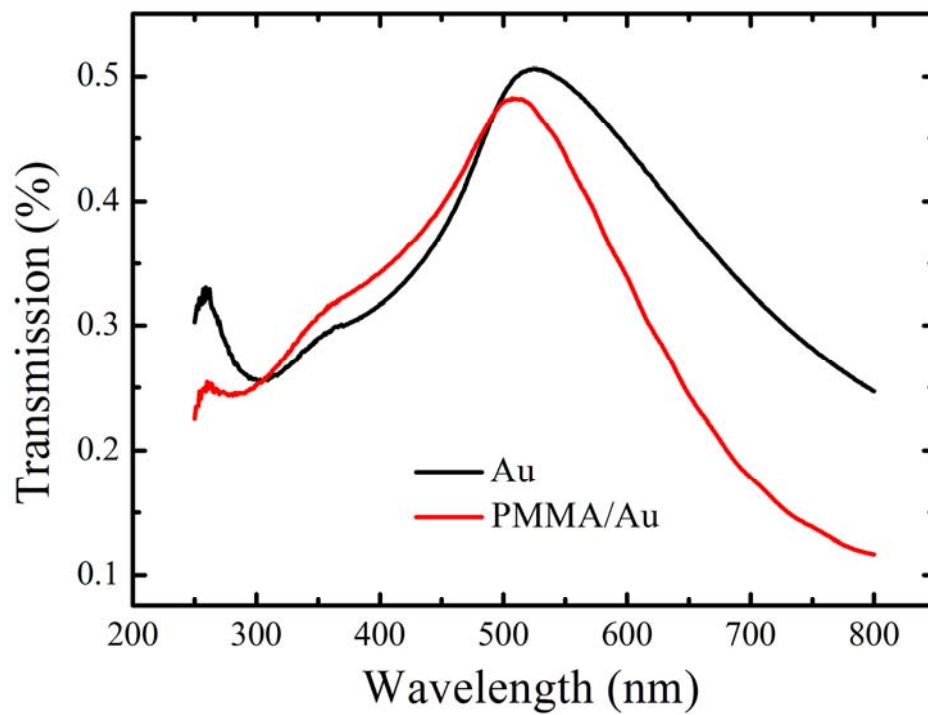


Fig. S3 Black curve: transmission of the Au electrode. Red curve: transmission of the PMMA /Au layer.