

Supporting information

3D-branched hierarchical 3C-SiC/ZnO heterostructures for high-performance photodetectors

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Figure S1 Real-color photograph of a 3D-branched 3C-SiC/ZnO heterostructure dispersed on a transparent MgF₂ wafer under 360 nm illumination;

Figure S2 XRD patterns of primary 3C-SiC NWs and 3D-branched 3C-SiC/ZnO

heterostructures;

Figure S3 (a) Room temperature PL spectra of the 3C-SiC NWs and 3D-branched 3C-SiC/ZnO heterostructures measured in a spectral range of 330-800 nm.

Figure S1

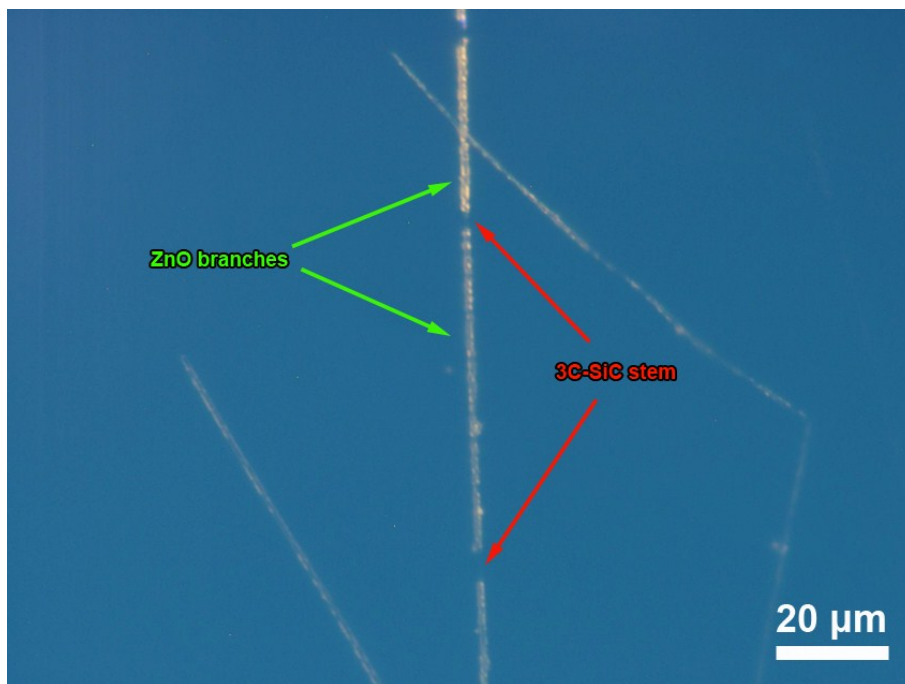


Figure S2

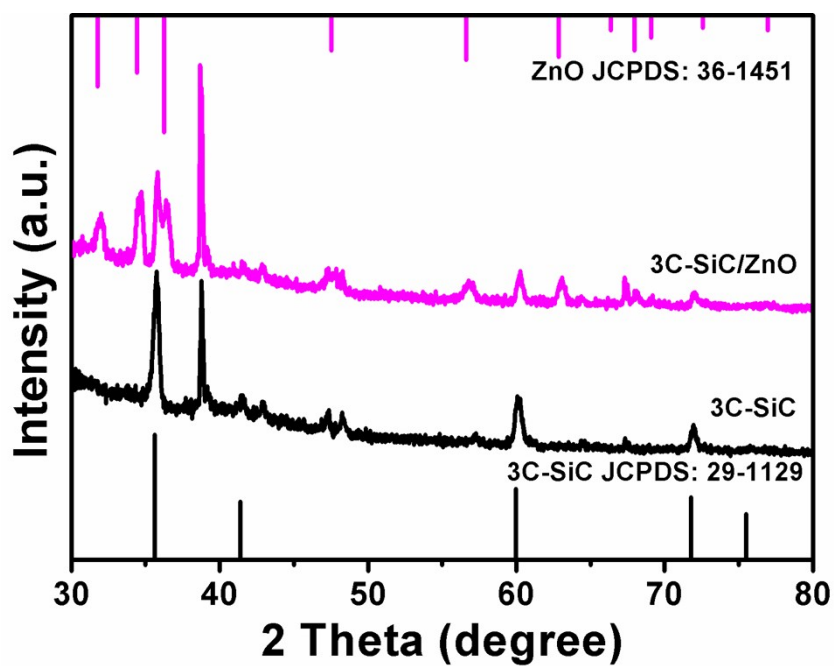


Figure S3

