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Supporting information for

CuO/V₂O₅ hybrid nanowires for highly sensitive and selective H₂S gas sensor

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A typical TEM bright-field image of the CuO-decorated V_2O_5 nanorod has been shown on the left-hand-side of Fig. S1. An interface region on the right-hand-side of Fig. S1 shows clearly that the CuO nanoisland adheres on the V_2O_5 nanorod together with lattice fringes on both of the CuO and V_2O_5 phases. The lattice-fringe spacings of the CuO nanoisland have been determined; in which, 0.268 and 0.245 nm correspond to the (110) and (11-1) planes of the monoclinic CuO structure, respectively.

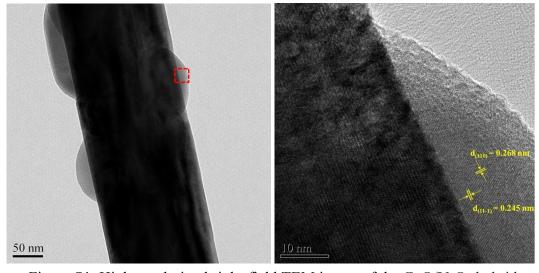


Figure S1. High-resolution bright-field TEM image of the CuO/V₂O₅ hybrid nanowires.