Supporting information

Hydrothermal fabrication of hierarchical CuO nanoflower for dual-function amperometric sensing of hydrogen peroxide and glucose

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**Fig. S1** CVs of the CuO NFs/GC electrode with different concentrations of H$_2$O$_2$ (from the top to bottom: 0 to 2.0 mM) in N$_2$-saturated 0.1 M PBS solution (pH=7) at a scan rate of 100 mV s$^{-1}$. 
Fig. S2 Long-term stability of CuO NFs/GC electrode for H$_2$O$_2$ detection. Electrocatalytic current of H$_2$O$_2$ was recorded at -0.4V.
Fig. S3 Nyquist plots of (a) bare GCE and (b) CuO NFs/GC electrode in 0.1 M KCl containing 5 mM $\text{[Fe(CN)$_6$]}^{3-/4-}$. 
Fig. S4 Amperometric response of CuO NFs/GC electrode at different applied potentials with successive addition of 0.2 mM glucose.
**Fig. S5** Long-term stability of CuO NFs/GC electrode for glucose detection. Electrocatalytic current of glucose was recorded at 0.5 V.