## Supplementary Materials: One-Pot Hydrothermal Synthesis of Magnetite Prussian Blue Nano-Composites and Their Application to Fabricate Glucose Biosensor

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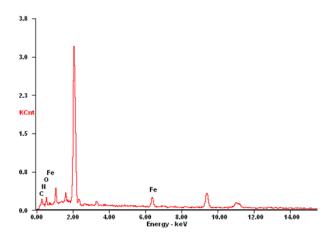
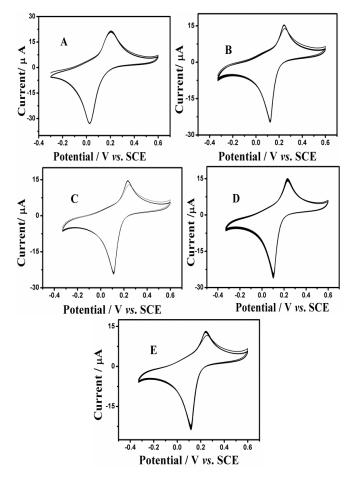
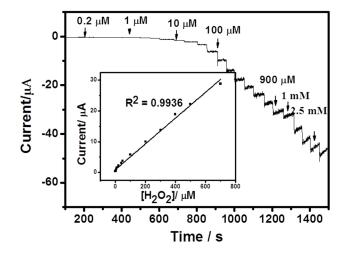


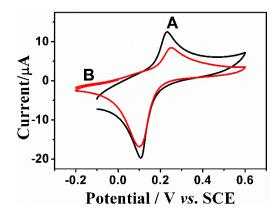
Figure S1. EDAX showing the elements content of the composite Fe<sub>3</sub>O<sub>4</sub>-Prussian blue.



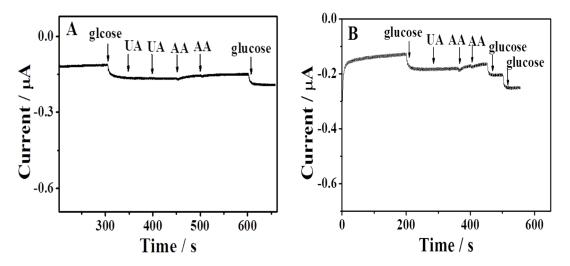
**Figure S2.** Multi-CVs of the Fe<sub>3</sub>O<sub>4</sub>-PB/GCE in 0.01 M Phosphate buffer solution (PBS) containing 0.1 M KCl at deferent pH values (**A**) 5.0, (**B**) 6.0, (**C**) 7.0, (**D**) 8.0, (**E**) 9.0.



**Figure S3.** Current-time response of the Fe<sub>3</sub>O<sub>4</sub>-PB/GCE to the successive addition of H<sub>2</sub>O<sub>2</sub> in 0.01 M PBS (pH 6.0) + 0.1 M KCl under stirring at -0.1 V. Insert: Plot of catalytic current vs. H<sub>2</sub>O<sub>2</sub> concentration.



**Figure S4.** Typical CVs obtained at Fe<sub>3</sub>O<sub>4</sub>-PB/GCE (**A**) and GOD-BSA/Fe<sub>3</sub>O<sub>4</sub>-PB/GCE (**B**) in 0.01 M PBS (pH 6.0) + 0.1 M KCl. Scan rate: 50 mV·s<sup>-1</sup>.



**Figure S5.** Typical Chronoaperometry (I-t) response of 0.025  $\mu$ M glucose and (A) 0.1  $\mu$ M AA and 0.1  $\mu$ M UA (B) 0.2  $\mu$ M AA and 0.2  $\mu$ M UA at GOD-BSA/Fe<sub>3</sub>O<sub>4</sub>-PB/GCE. Applied Potential: -0.15 V.