

Supporting information

DNA-induced Synthesis of Biomimetic Enzyme for Sensitive

Detection of Superoxide Anions released from live cell

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Fig S1. Zeta potential of graphene, graphene/DNA and graphene/DNA/Mn₃(PO₄)₂.

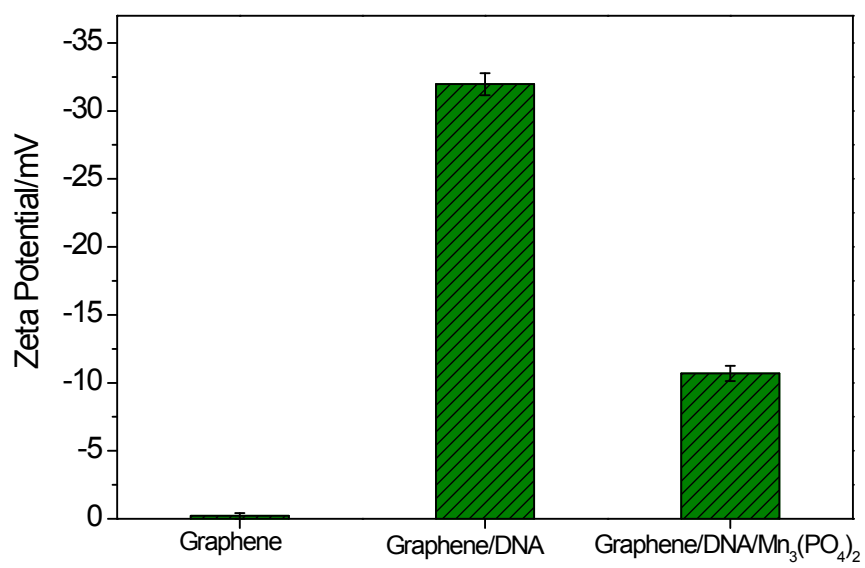


Fig. S2. EDS of the synthesized graphene/DNA/Mn₃(PO₄)₂.

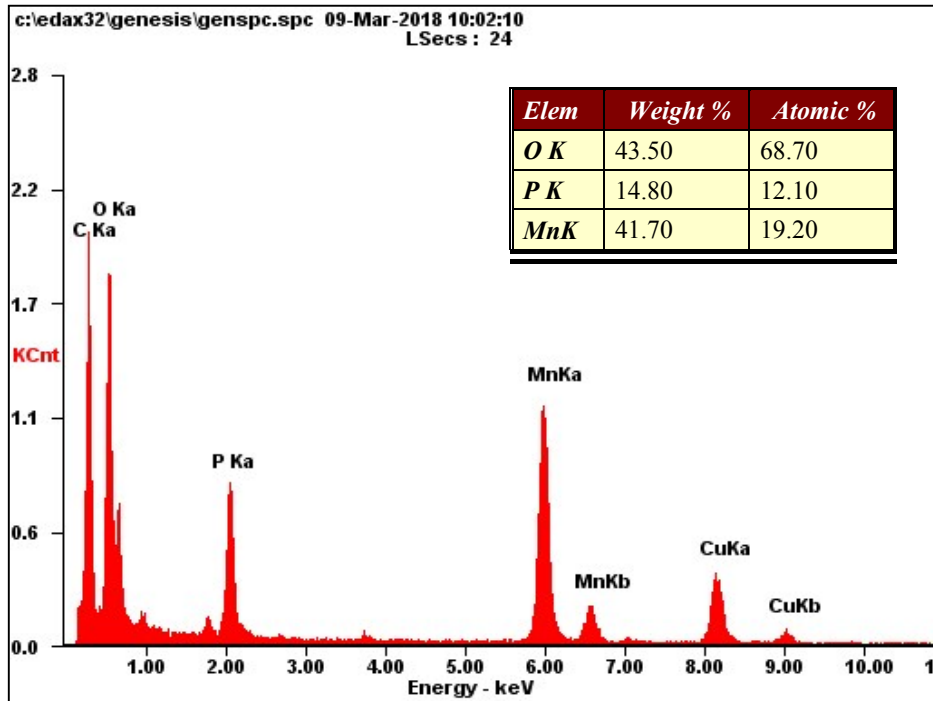


Fig. S3. Voltmammograms obtained at Graphene/Mn₃(PO₄)₂/GCE (A), Mn₃(PO₄)₂/DNA/GCE (B), Graphene/DNA/Mn²⁺/GCE (C) and Graphene/DNA/Mn₃(PO₄)₂/GCE (D) in 0.01M PBS (pH =7.4) and in the presence of 1.0 μM O₂^{•-} and the mixture of O₂^{•-} and SOD (potential scan rate: 50 mV/s).

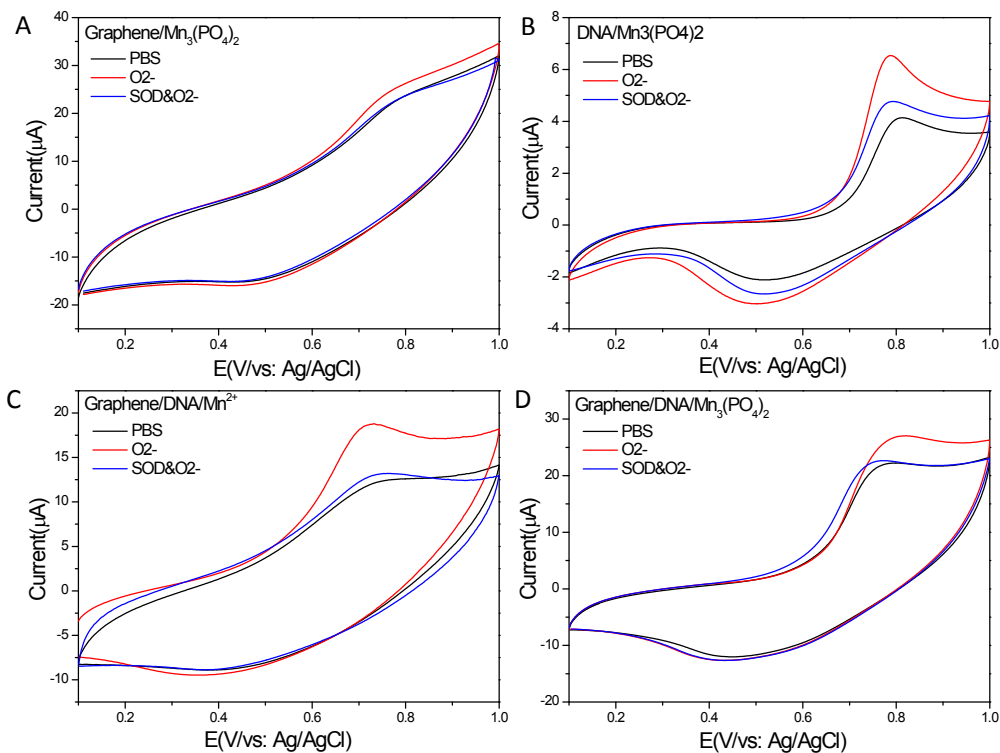


Fig. S4. The stability of the sensor.

