

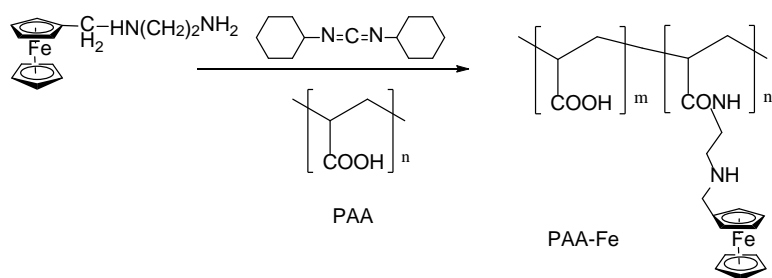
Supporting Information

Ferrocene-modified Polyelectrolyte Film coated Electrode and its

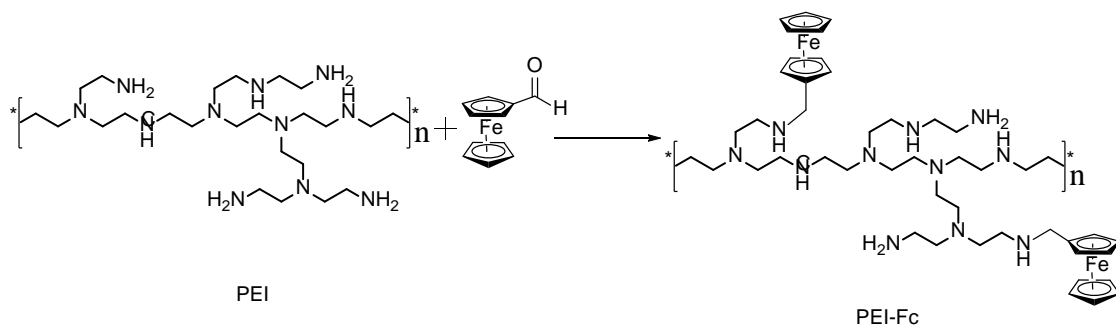
Application in Glucose Detection

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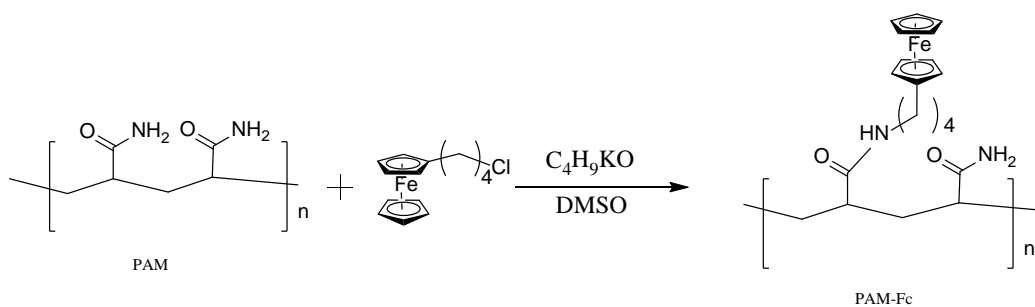
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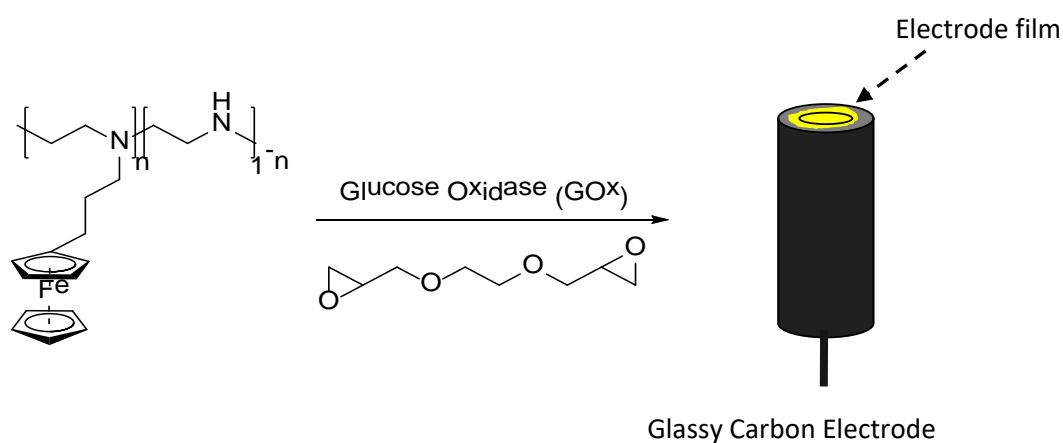
Scheme S1. Schematics for the preparation of PAA-Fc



Scheme S2. Schematics for the preparation of PEI-Fc



Scheme S3. Synthetic Protocol for the PAM-Fc with Ferrocene Butyryl Chloride Modification



Scheme S4. Protocol for the Enzyme Electrode Preparation

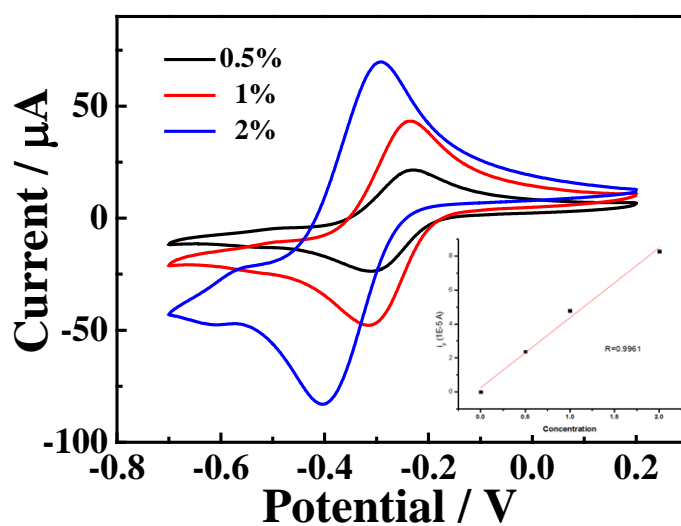


Fig. S5. Cyclic voltammograms of different concentration PAA-Fc in PBS solution under 0.1V/s scan rate. Inset: Plot of the oxidation peak currents vs. concentration of PAA-Fc

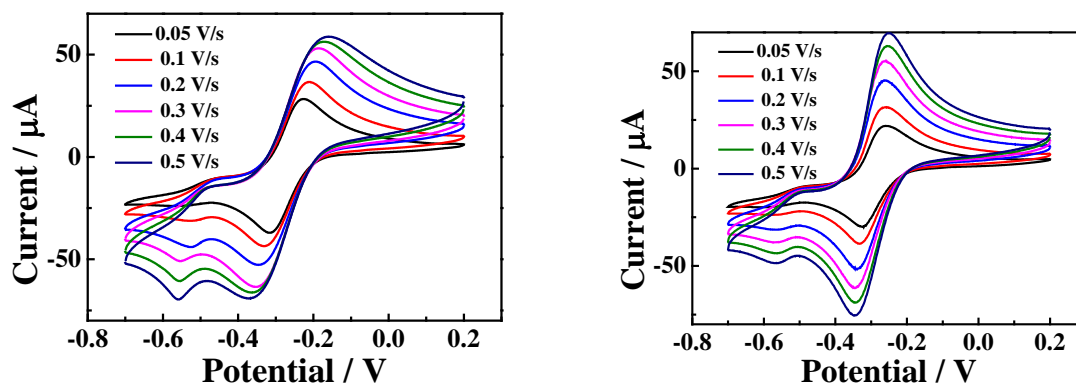


Fig. S6. Cyclic voltammograms of 1% PAM-Fc and PEI-Fc in PBS solution

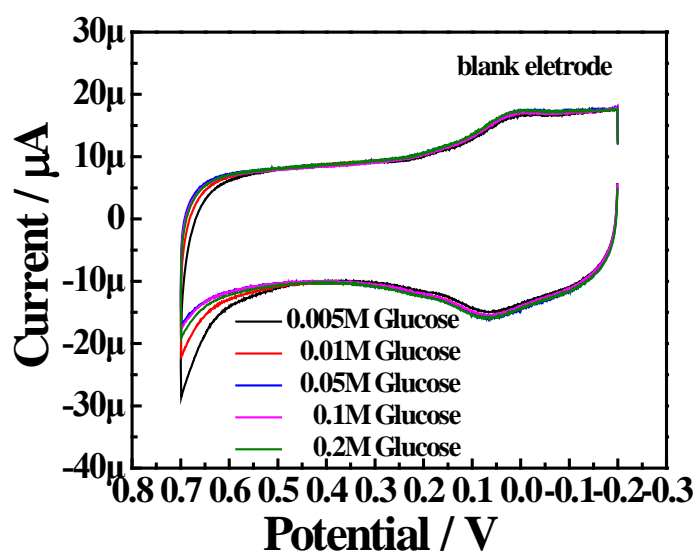


Fig. S7. Cyclic voltammograms of blank electrodes without polyelectrolyte under different glucose concentration

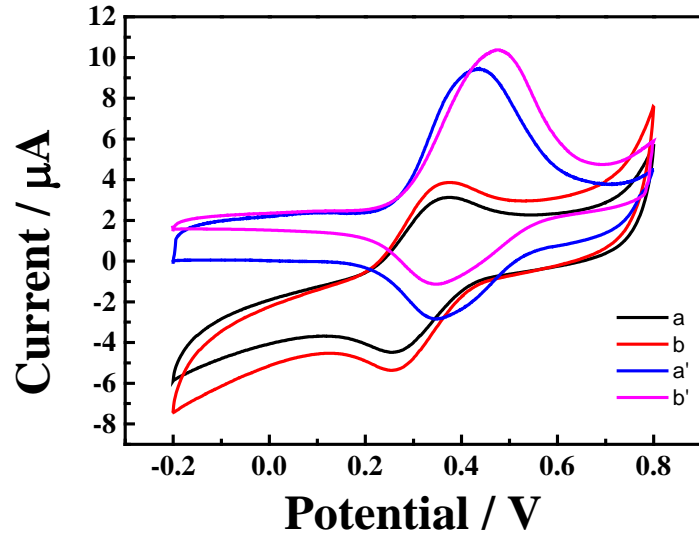


Fig. S8. Cyclic voltammograms of the GOx/CNT/PAA-Fc and GOx/CNT-GO/PAA-Fc composite film in the absence (a, b) and presence (a' , b') of 3.0 mmol/L glucose in PBS (pH=7.2) at 100 mV/s

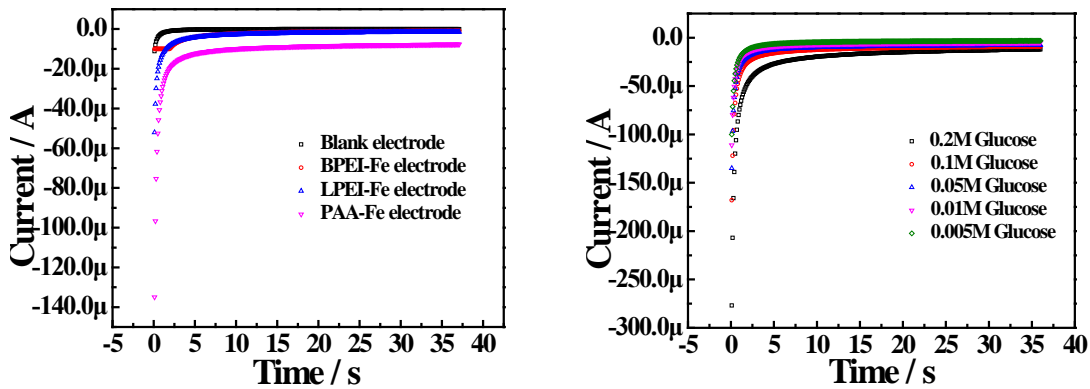


Fig. S9. Performance of different modified electrode (response for 5mM glucose) and different concentration of glucose (use PAA-Fc electrode)