

Supporting information

Direct Observation of Oxidation Reaction via Closed Bipolar Electrode-Anodic Electrochemiluminescence Protocol : Structural Property and Sensing Applications

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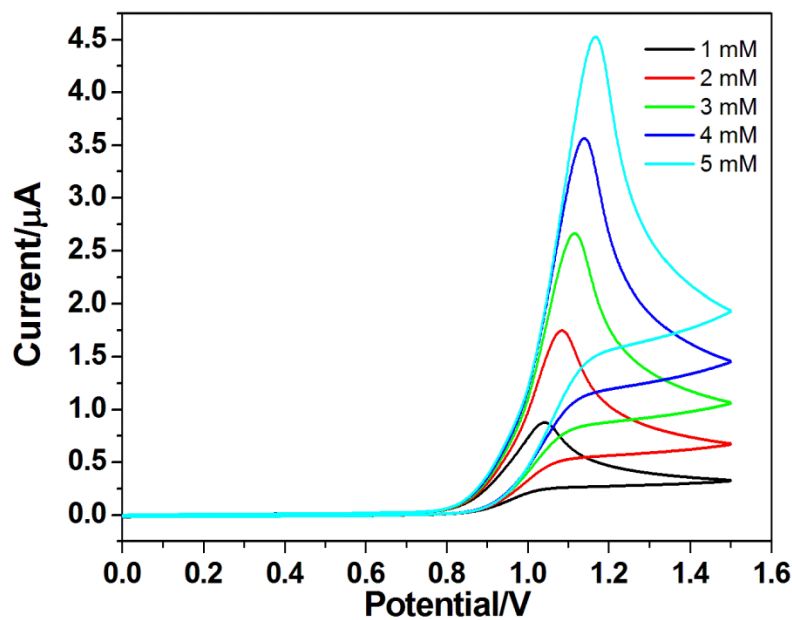


Fig S1. The corresponding electrochemical signals of the closed-BPE system in Fig 2A

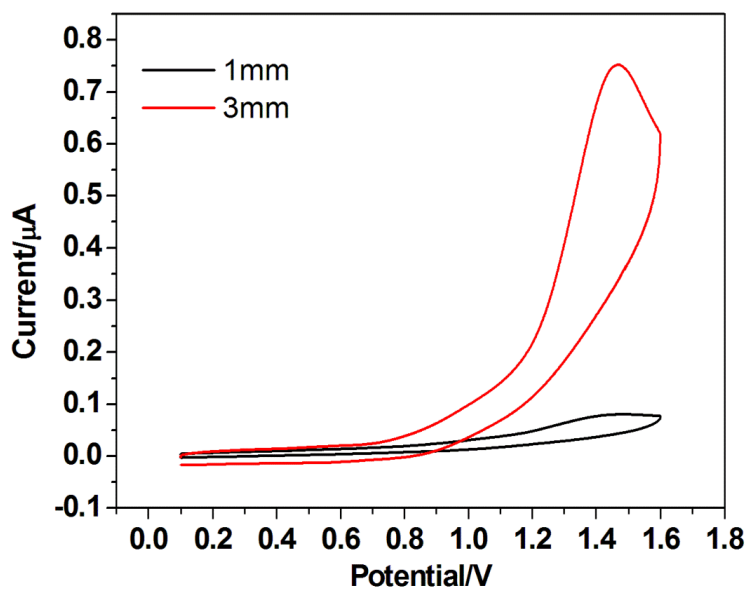


Fig S2. The electrochemical signals of the closed BPE system with different sizes of pole 2(1mm and 3 mm in diameter) for 50 mM UA in cell 2 and 2.5 mM /12.5 mM $\text{Ru}(\text{bpy})_3^{2+}$ /TPPrA in cell 1, scan rate: 0.5V/s.

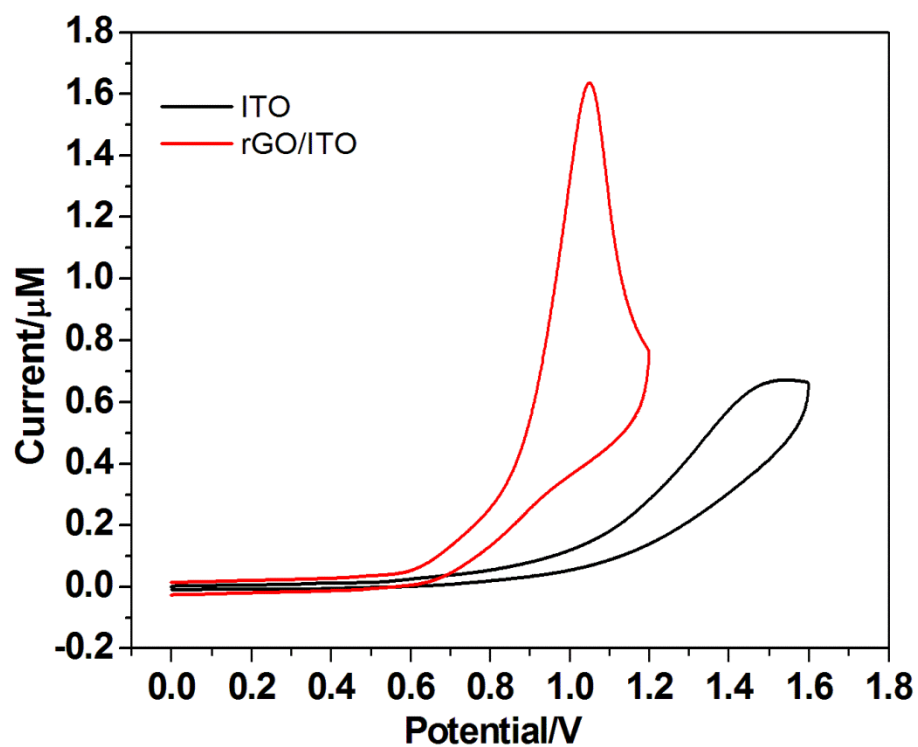


Fig S3. The electrochemical signals of the closed BPE system with different materials of pole 2 (naked ITO and ITO covered with rGO) for 50 mM DA in cell 2 and 2.5 mM /12.5mM $\text{Ru}(\text{bpy})_3^{2+}$ /TPrA in cell 1, scan rate: 0.5V/s.