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Article

Indirect Sensing of Lower Aliphatic Ester Using Atomic Gold Decorated Polyaniline Electrode

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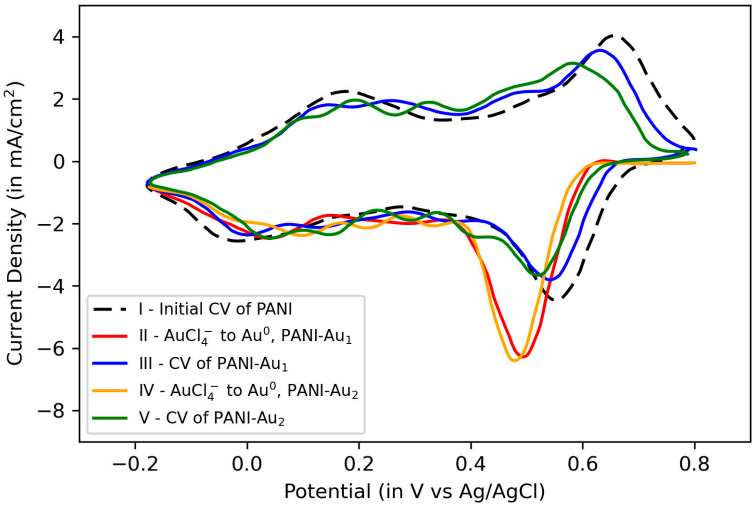

Figure S1. CV of PANI in 0.1 M $HClO_4$ at different stages of atomic gold deposition, (I) Initial CV of PANI before deposition, (II) Reduction of $AuCl_4^-$ to Au^0, formation of PANI-Au_1, (III) CV of PANI-Au_1, (IV) Reduction of $AuCl_4^-$ to Au^0, formation of PANI-Au_2, and (V) CV of PANI-Au_2 (scan rate = 20 mV/s).

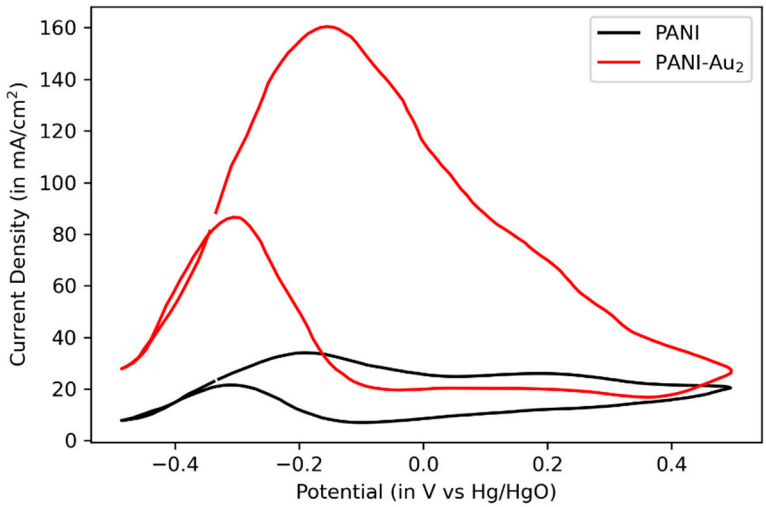

Figure S2. Cyclic voltammograms of PANI and PANI-Au_2 vs. Hg/HgO for 0.5 M ethyl formate dissolved in 1 M KOH (scan rate = 100 mV/sec). Figure shows electrocatalytic activity of bi-atomic Au.