

Supplementary Information

Eco-friendly synthesis of activated carbon from dead mango leaves for the detection of toxic heavy metal ions and energy storage applications

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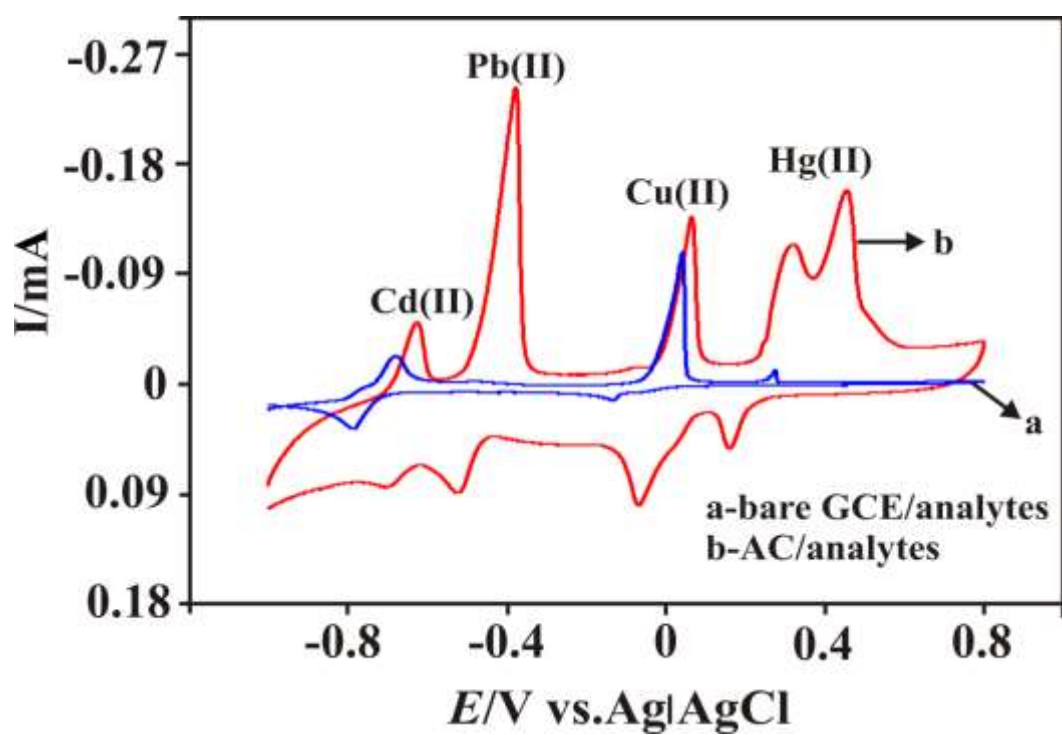


Fig. S1 (a) Bare GCE (blue line) and (b) SNACs-modified GCE (red line) in 50 μM each of Cd(II), Pb(II), Cu(II) and Hg(II).

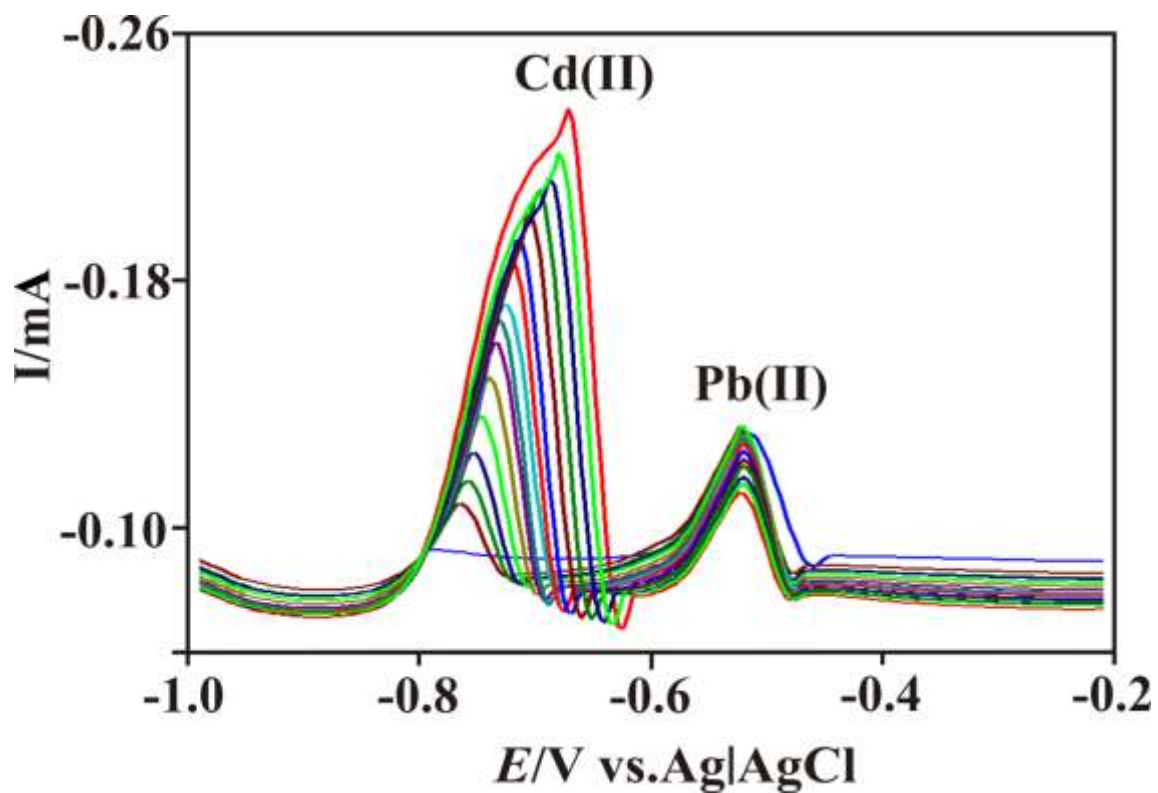


Fig. S2 Increasing concentration of Cd(II) from 0 to 9.3 μM in the presence of 1 μM Pb(II) in 0.1 M NaAc-HAc (pH 5.0).

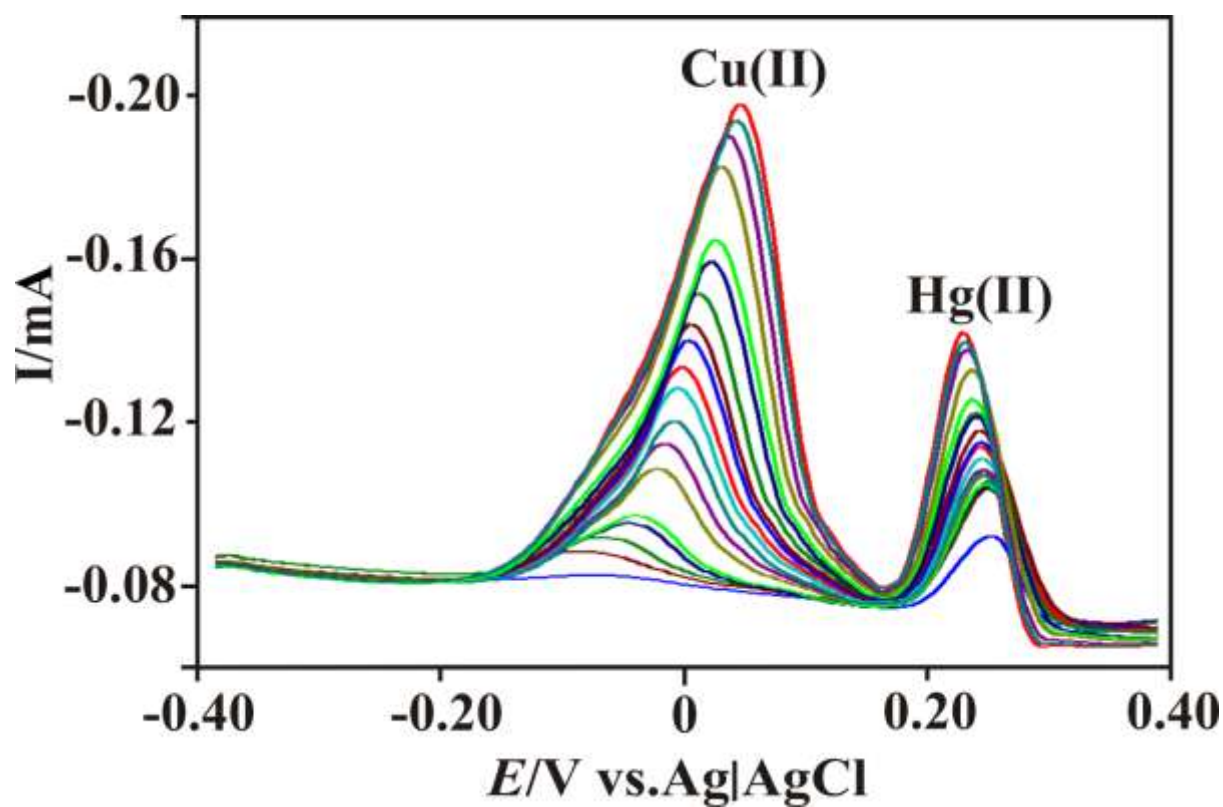


Fig. S3 Increasing concentration of Cu(II) from 0 to 7.2 μM in the presence of 1 μM Hg(II) in 0.1 M NaAc-HAc (pH 5.0).

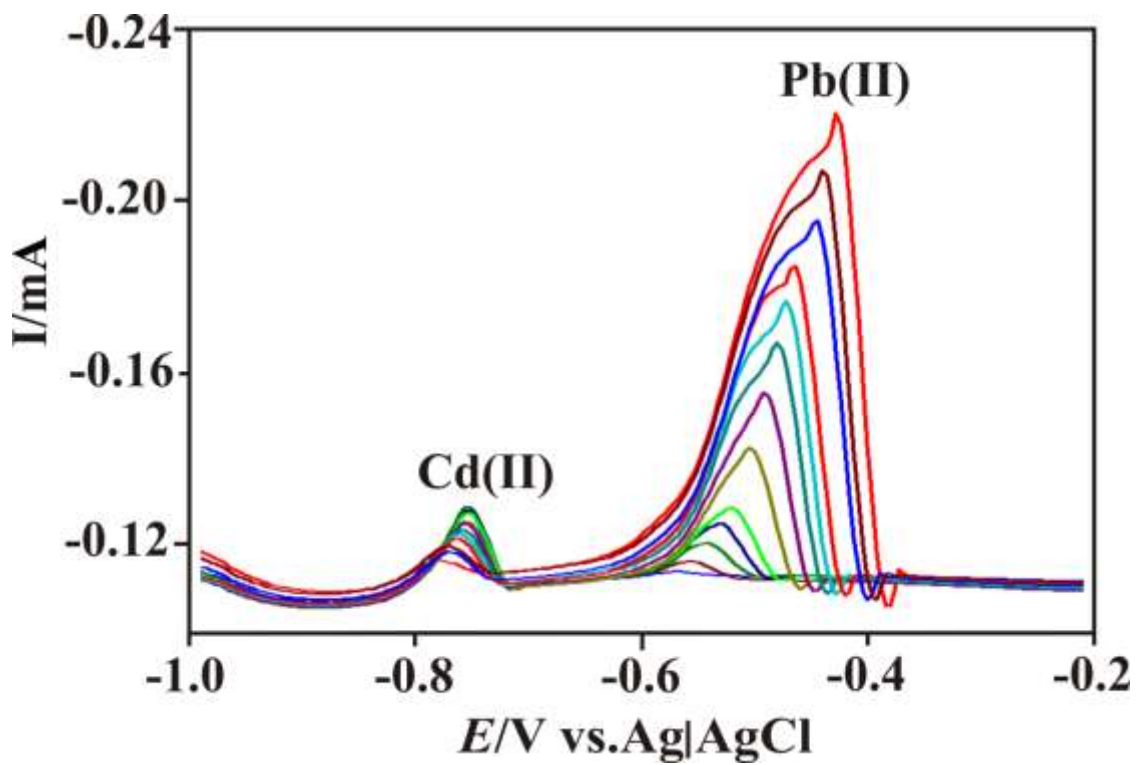


Fig. S4 Increasing concentration of Pb(II) from 0 to 10.43 μ M in the presence of 1 μ M Cd(II) in 0.1 M NaAc-HAc (pH 5.0).