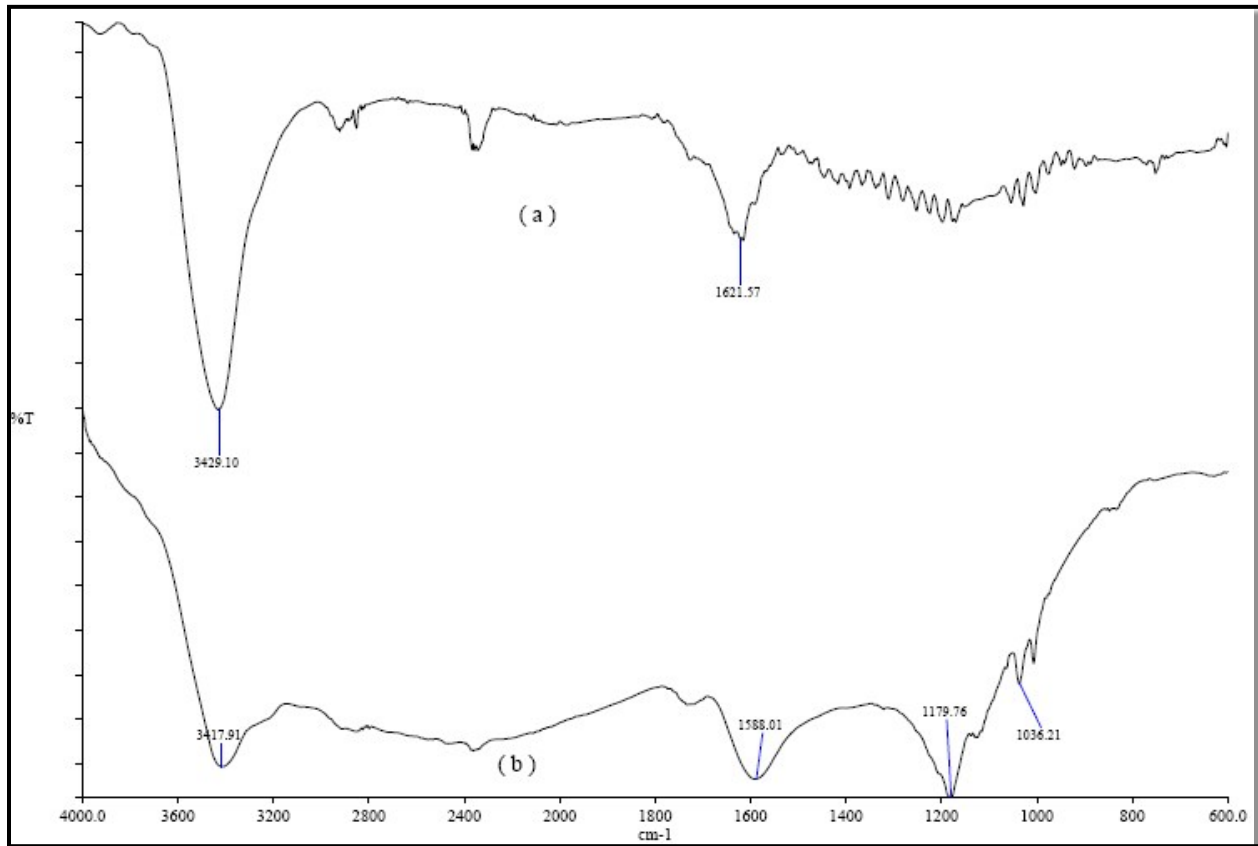
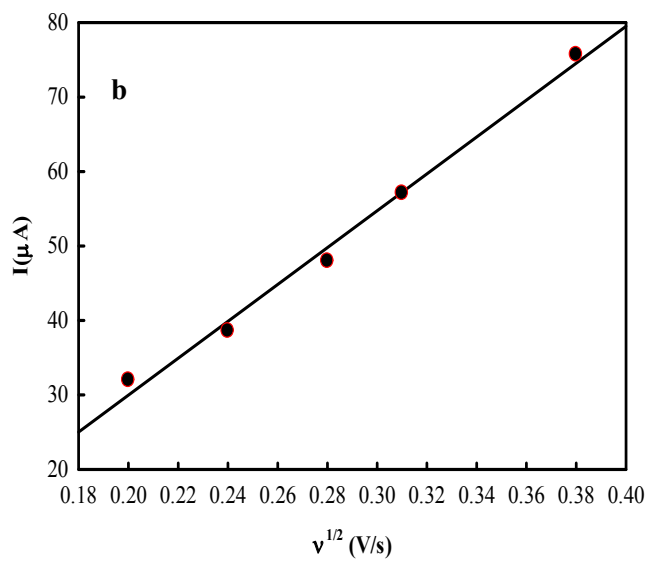
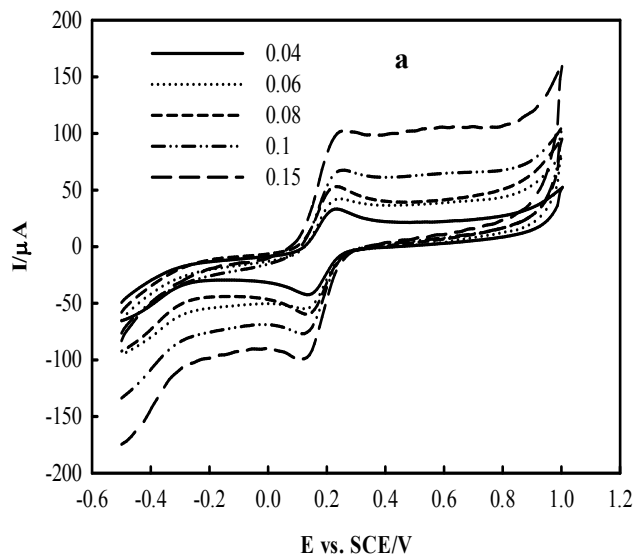


Supplementary data



Supplementary data 1. FTIR spectra a) sulfonated-modified carbon nanoparticles b) sulfonamide-functionalized carbon nanoparticles

supplementary data S1



Supplementary Data 2. (a) Cyclic voltammograms (scan rate 0.04- 0.15 V s^{-1}) for the reduction of 1×10^{-4} M $\text{Fe}(\text{CN})_6^{3-}$ in 0.1 M KCl. (b) The plot of I_{pa} versus $v^{1/2}$.