

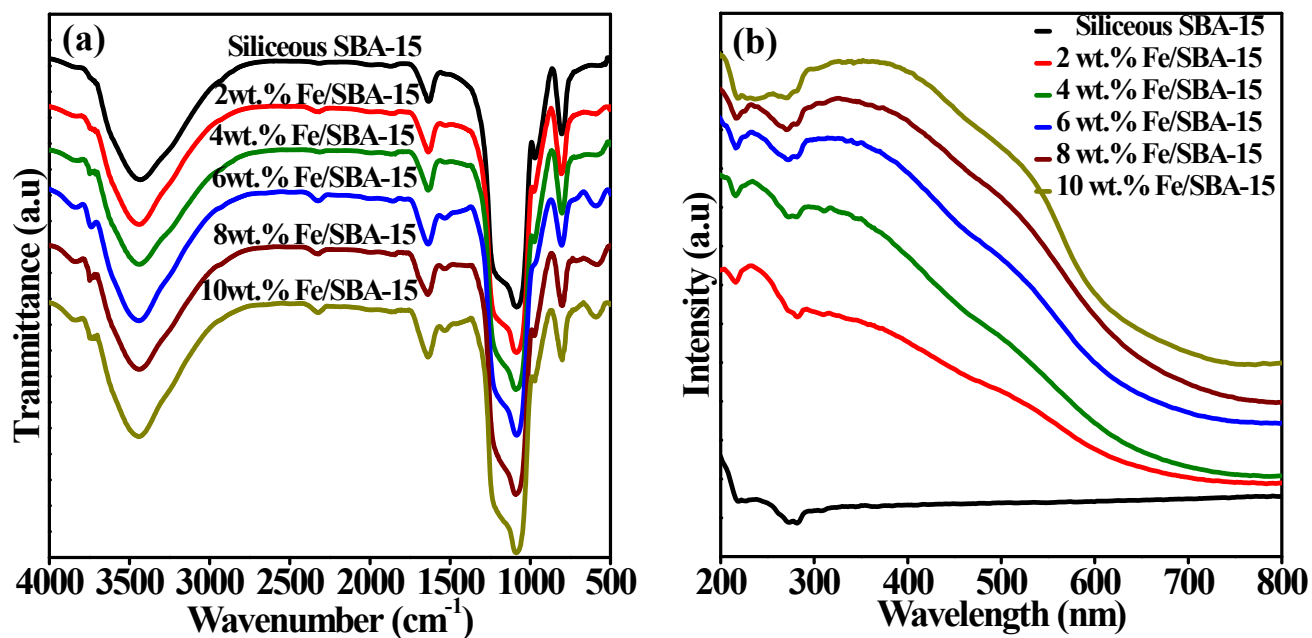


Fig.S1 (a) FT-IR Spectra of catalysts and (b) DRS-UV visible spectra of SBA-15 catalysts

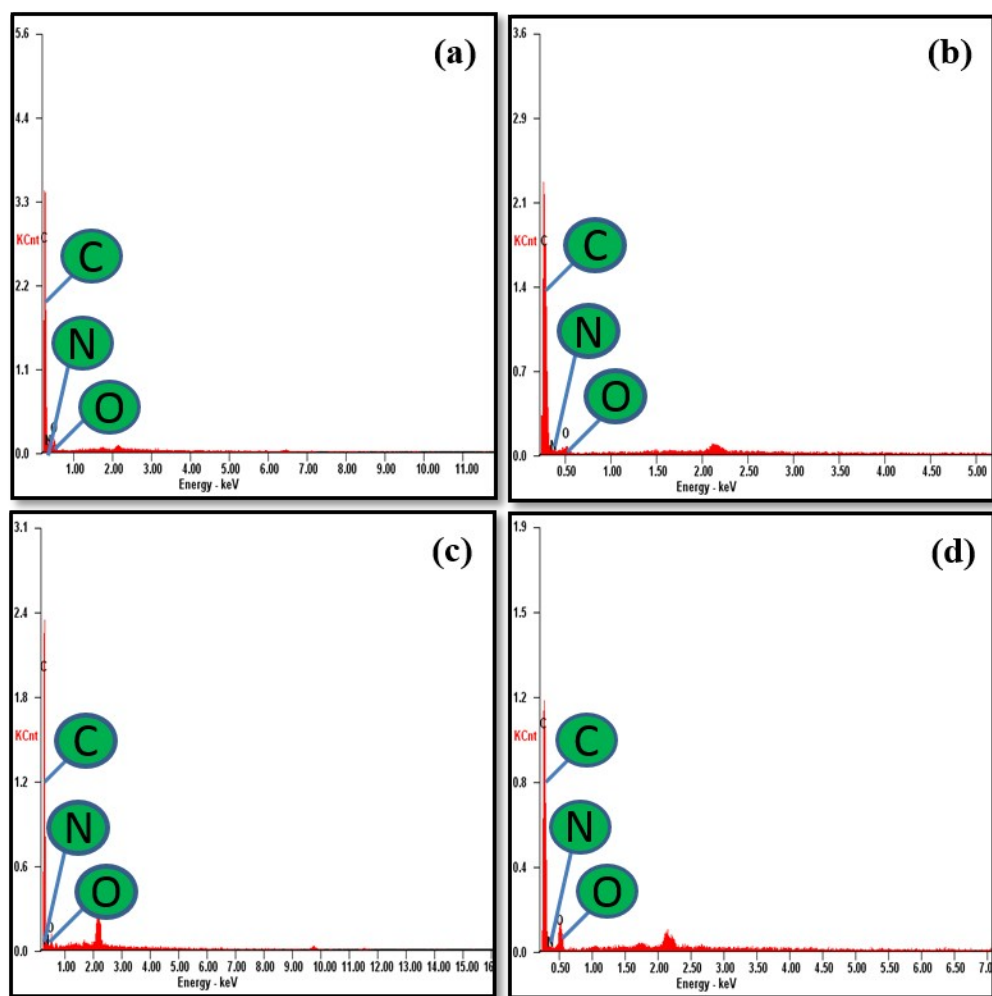


Fig.S2 EDAX spectra of (a) NCNT 800, (b) NCNT 900 and (c) NCNT 1000

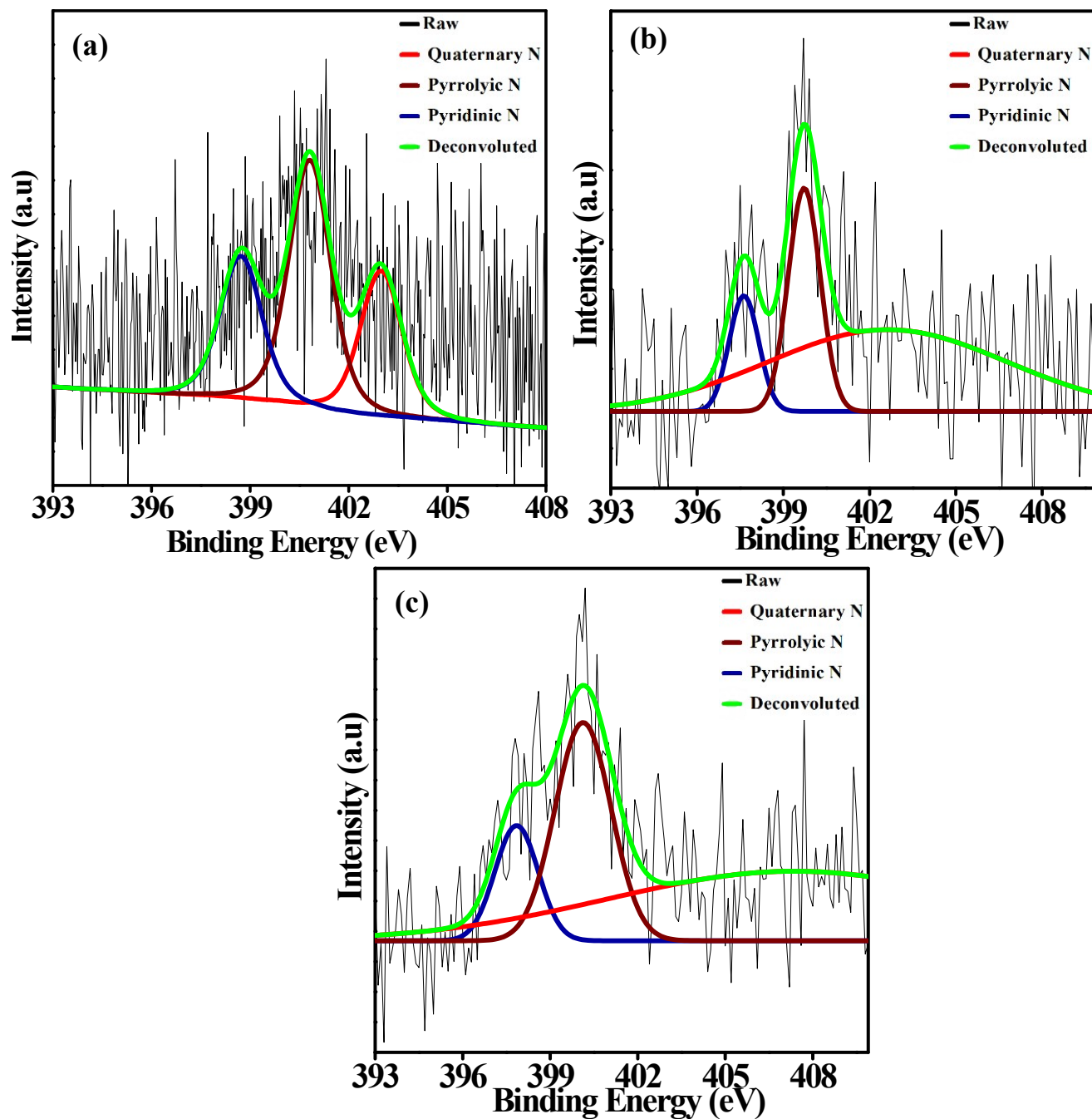


Fig.S3 De-convoluted N1s spectra of (a) NCNT 800, (b) NCNT 900 and (c) NCNT 1000

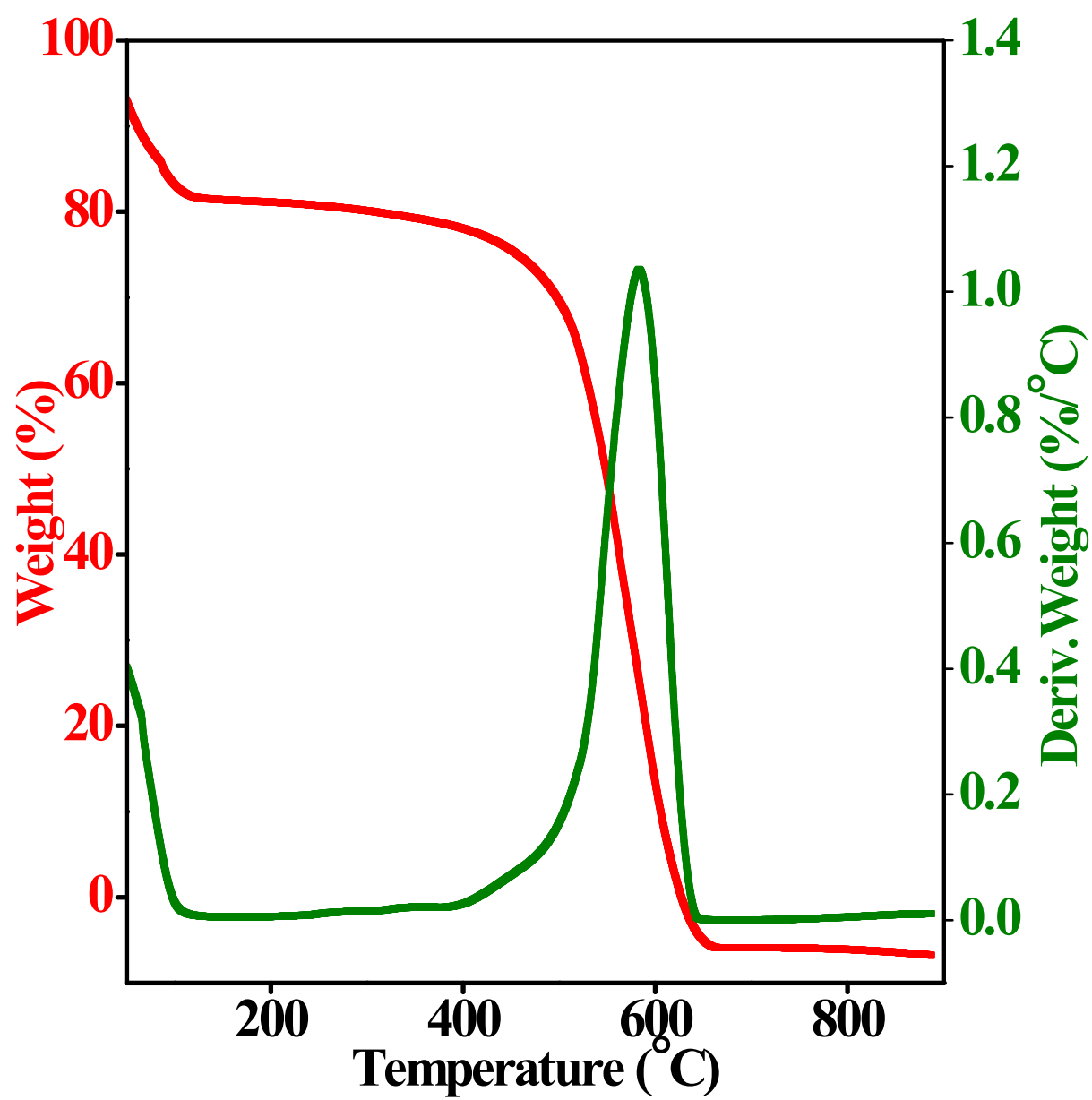


Fig.S4 Thermogram of NCNT 700

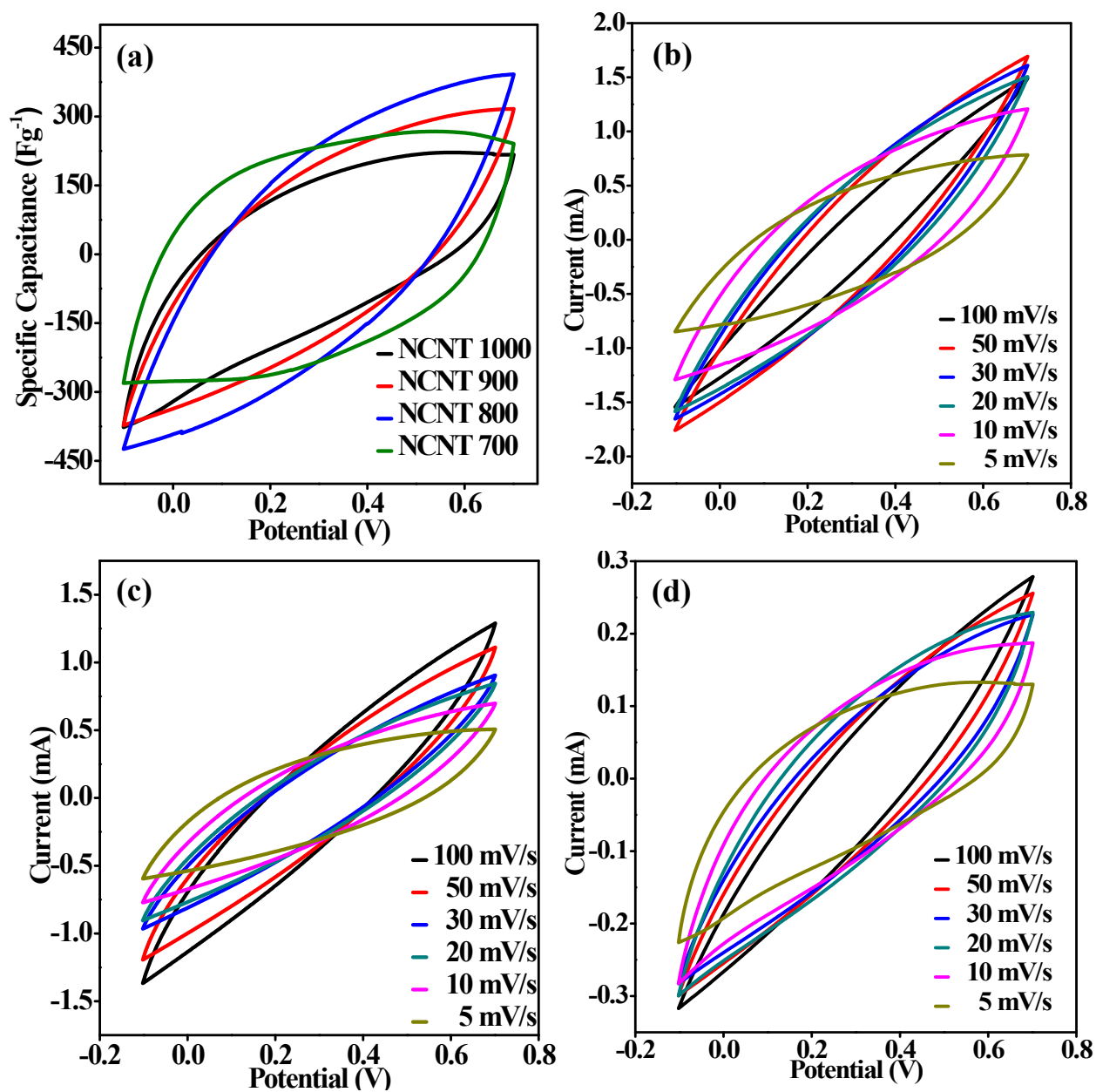


Fig.S5 Cyclic voltammograms of (a) NCNTs at 5 mVs^{-1} scan rate, (b) NCNT 800 at different scan rates and (c) NCNT 900 at different scan rates (d) NCNT 1000 at different scan rates.

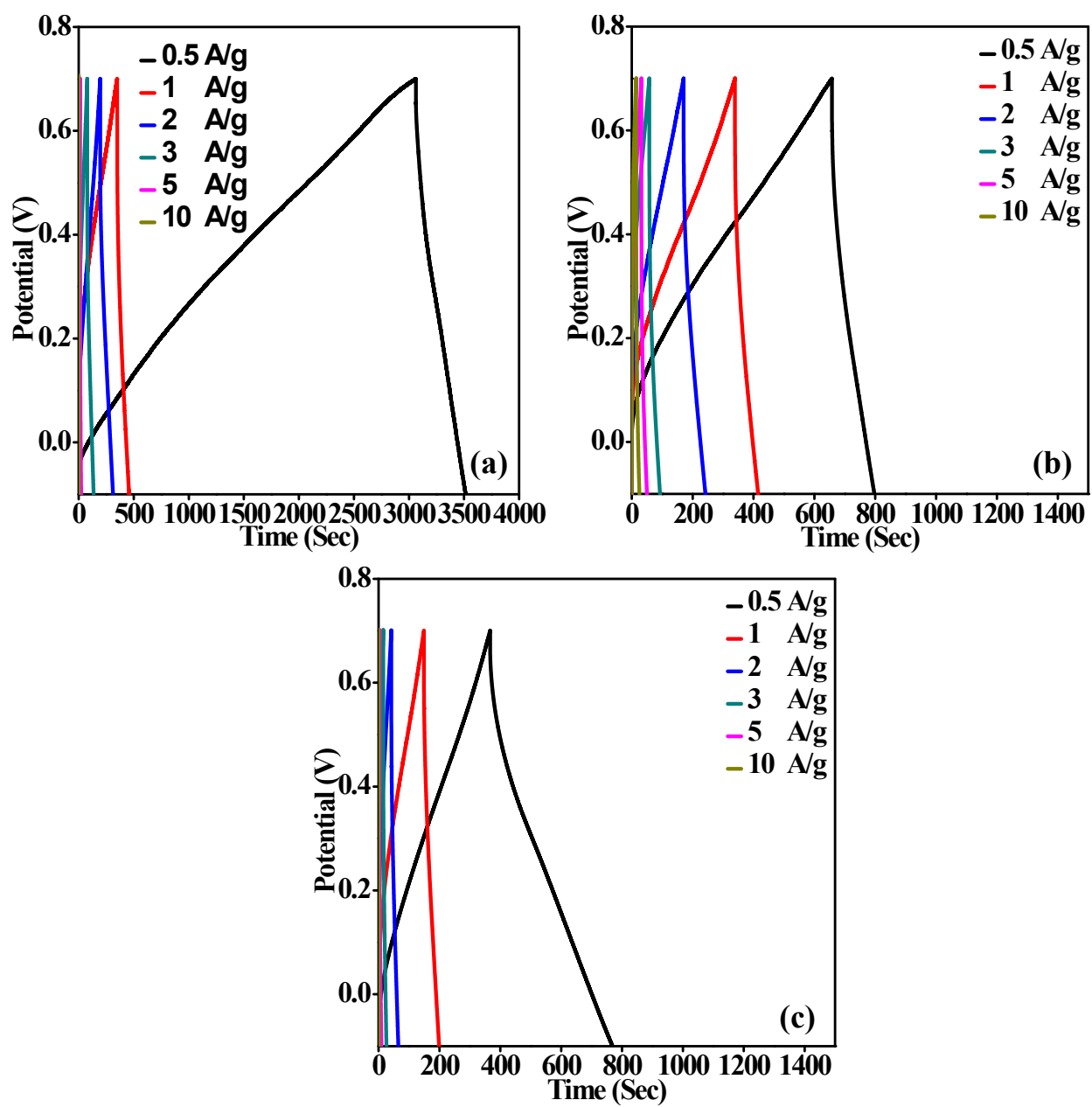


Fig.S6 Charge-discharge profiles at different current densities of (a) NCNT 800, (b) NCNT 900 and (c) NCNT 1000.

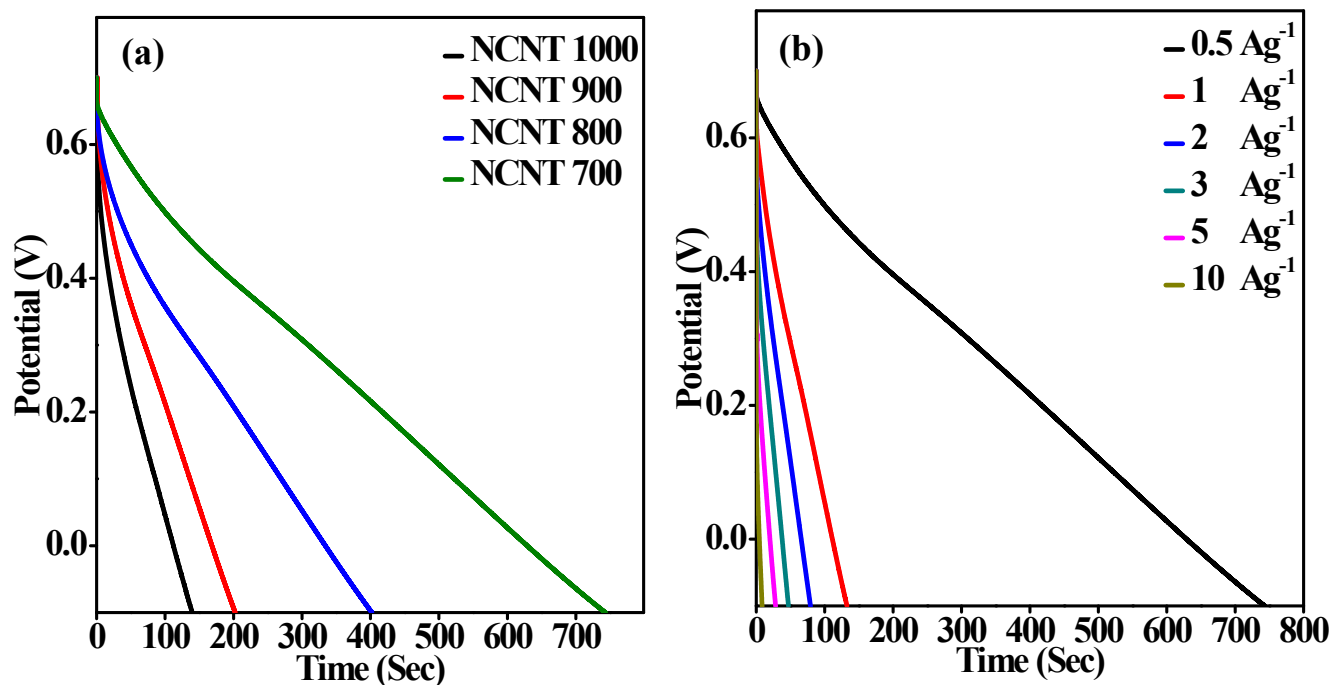


Fig.S7 (a) Discharge profile of NCNTs at 0.5 Ag^{-1} current density and (b) Discharge profile of NCNT 700 at different current densities