

Electronic Supplementary Information

**Hierarchical porous CNTs@NCS@MnO₂ composites:
rational design and high asymmetric supercapacitor
performance**

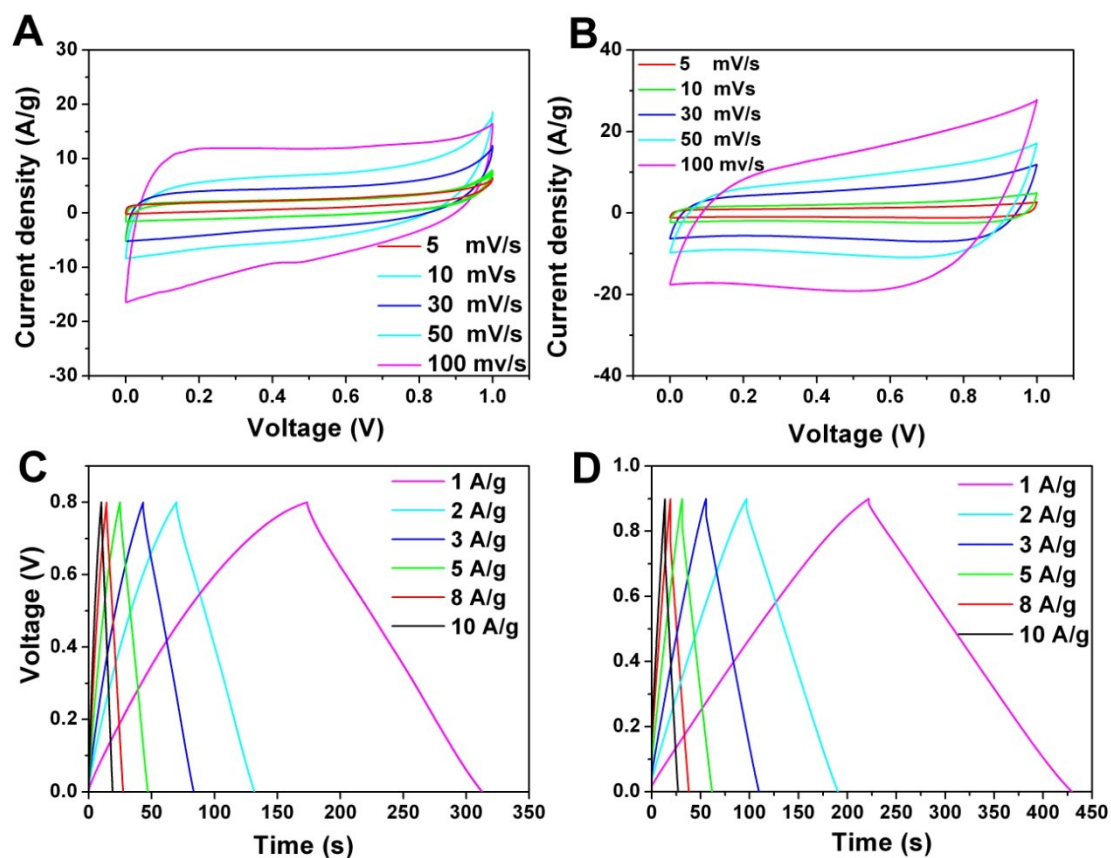


Fig. S1 Cyclic voltammograms curves at scan rates at various discharge current and Charge-discharge curves of CNTs@NCS (A, C) and CNTs@MnO₂ composites(B, D) measured at various discharge current.

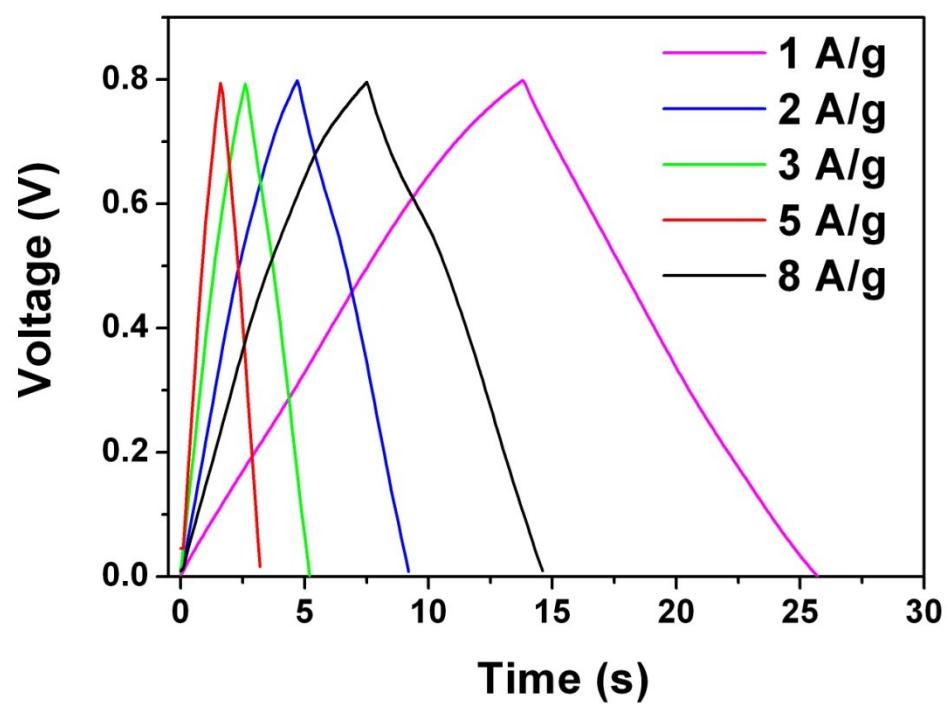


Fig. S2 Charge-discharge curves of CNTs.

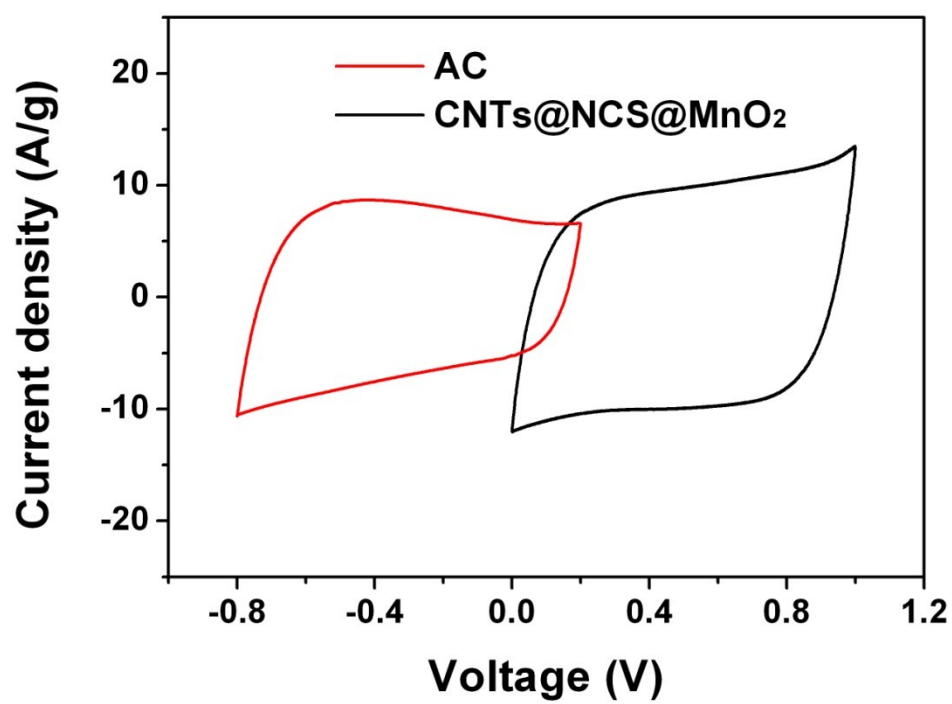


Fig. S3 CV curves of AC and CNTs@NCS@MnO₂ measured in a three-electrode device in 1 M Na₂SO₄ aqueous solution at a scan rate of 30 mV/ s