

Electronic Supplementary Information for A
Novel Hybrid Supercapacitor with a Carbon
Nanotube Cathode and an Iron Oxide/Carbon
Nanotube Composite Anode

September 4, 2009

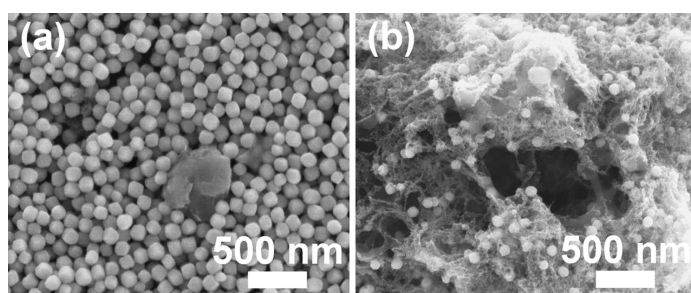


Fig. 1 (Figure S1) SEM images of (a) α -Fe₂O₃ and (b) α -Fe₂O₃/MWNT (3:1 w/w) composite synthesized by the hydrothermal method without CTAB, showing a change from spherical to cuboidal or polyhedral morphology and a broadening of sizes.

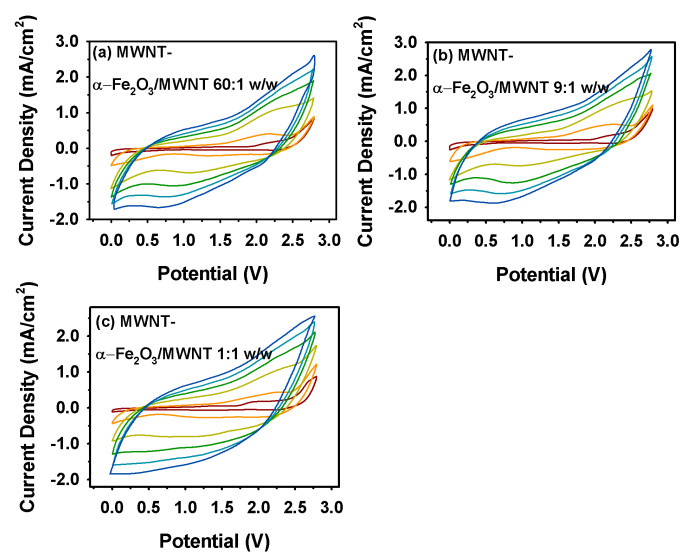


Fig. 2 (Figure S2) Cyclic voltammograms of supercapacitors with a MWNT cathode and a (a) $\alpha\text{-Fe}_2\text{O}_3/\text{MWNT}$ (60:1 w/w) composite anode, (b) $\alpha\text{-Fe}_2\text{O}_3/\text{MWNT}$ (9:1 w/w) composite anode and (c) $\alpha\text{-Fe}_2\text{O}_3/\text{MWNT}$ (1:1 w/w) composite anode.