

Supporting information

Ultrathin alumina-coated carbon nanotubes as anode for high capacity Li-ion batteries

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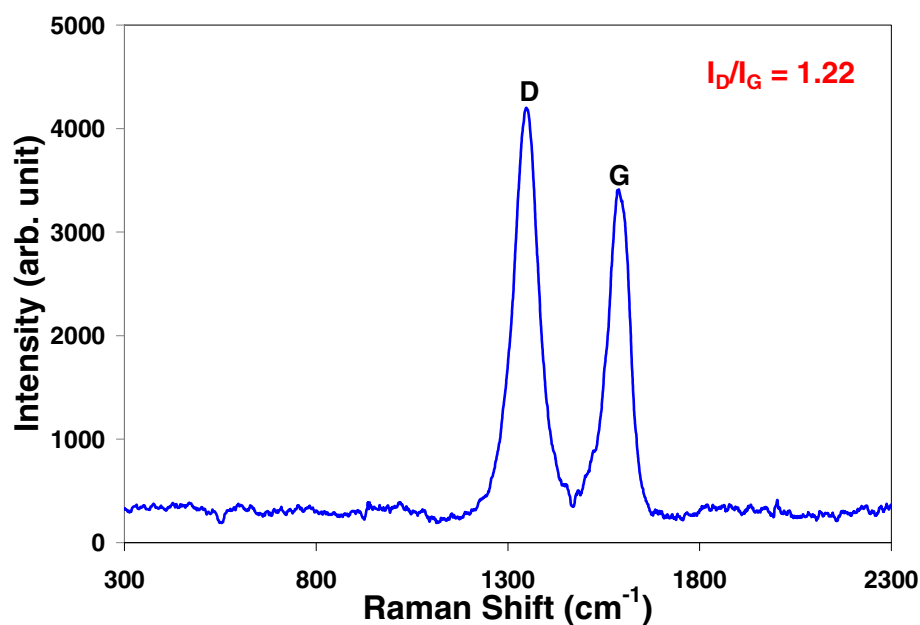


Figure S1: Raman spectra of the CNT structure grown on Cu current collector, showing high I_D/I_G ratio.

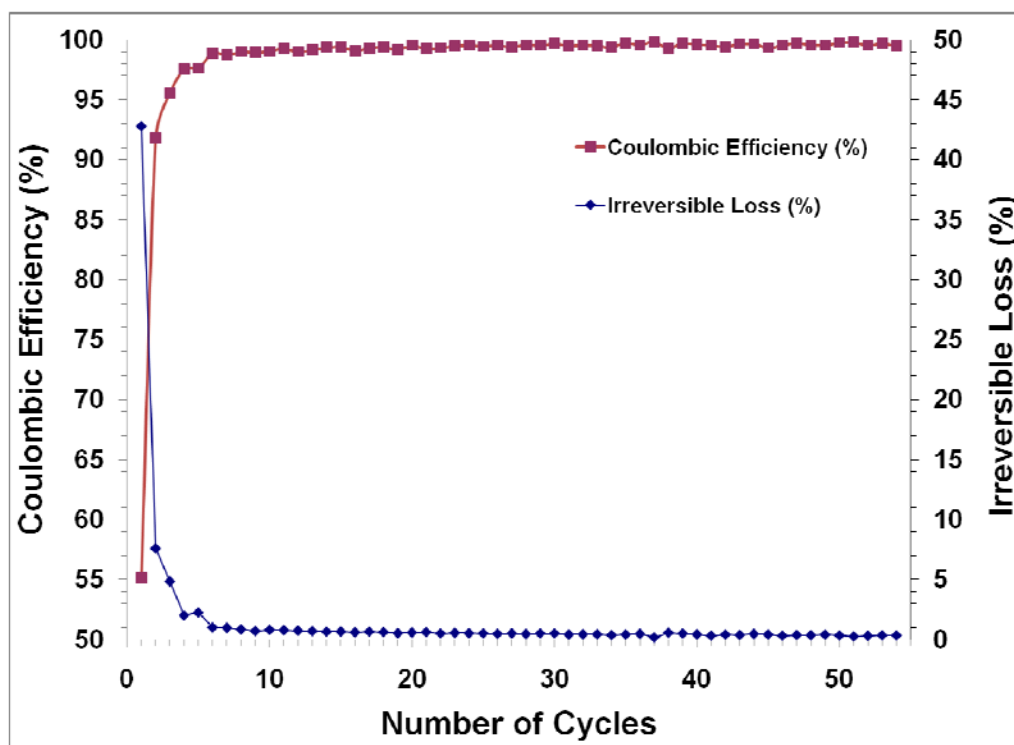


Figure S2: Coulombic efficiency and irreversible capacity loss, as a function of number of cycles. It may be observed that efficiency increases and loss decreases sharply during initial cycles. After initial 5 cycles, coulombic efficiency remains at a level of more than 99%, while irreversible capacity loss is less than 1%.