

# High-Performance Si-based 3D Cu Nanostructured Electrode Assembly for Rechargeable Lithium Batteries

Supplementary Figures

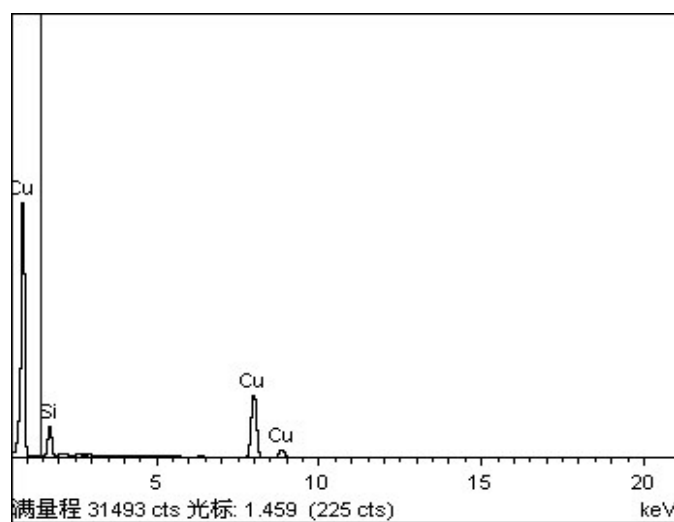


Figure S1 EDX spectrum of Si/Cu NCA structures.

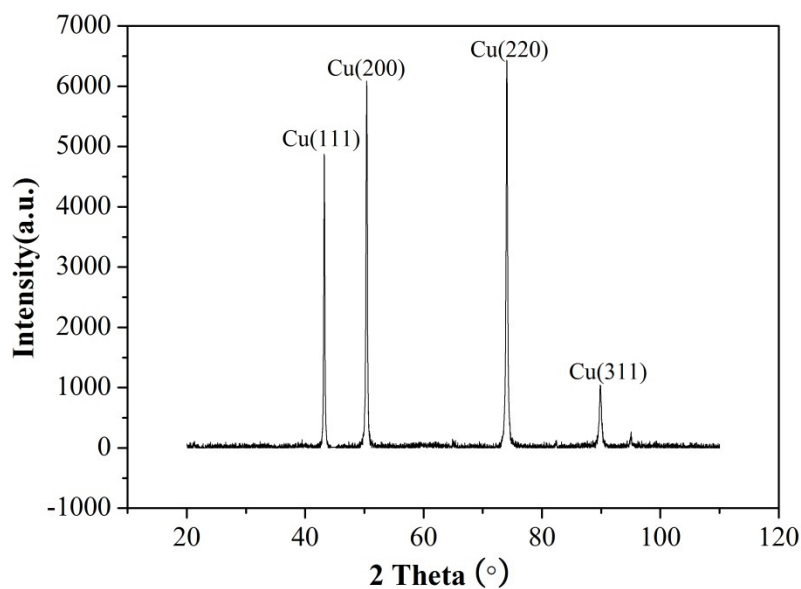


Figure S2 X-ray diffraction pattern of Si/Cu NCA structures.

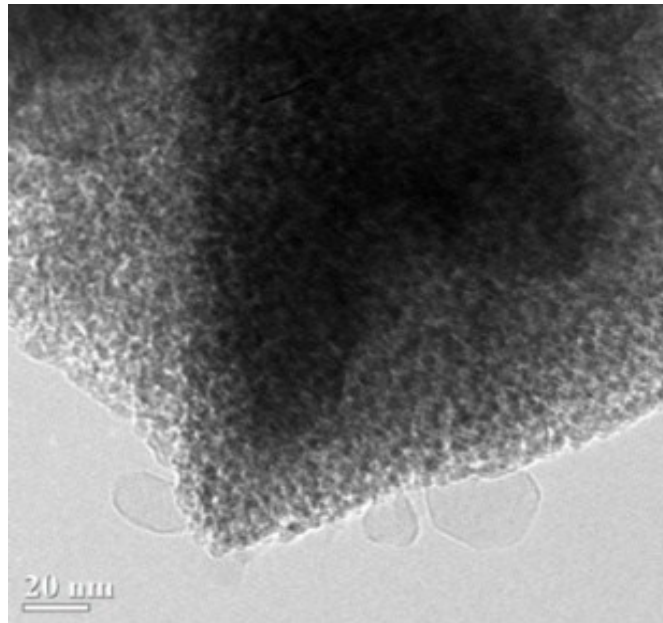


Figure S3 High-magnification TEM image of a single cone structure after lithiation.

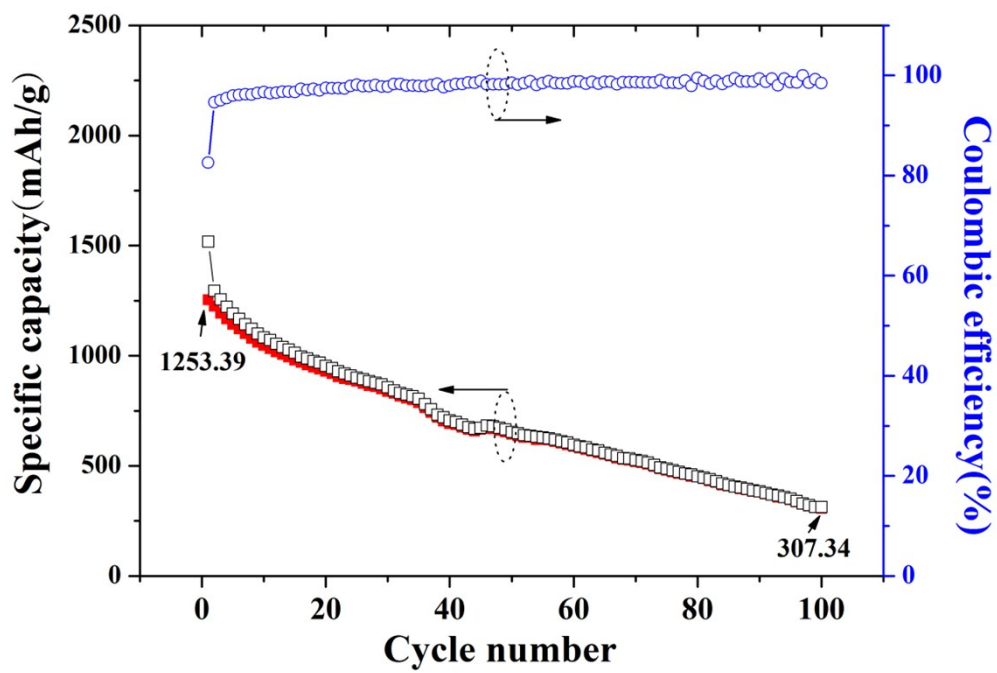


Figure S4 Cycling performance of planar 70CuSi electrodes at 1.2 C after initial activation of low current in the voltage range 0.01-1.6 V vs  $\text{Li}^+/\text{Li}$ .