Electronic Supplementary Material (ESI)

Uniformly Dispersed Silicon Nanoparticles/Carbon Nanospheres Composites as Highly Stable Lithium-ion Battery Electrodes

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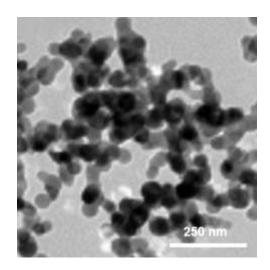


Fig. S1 TEM image of SNPs

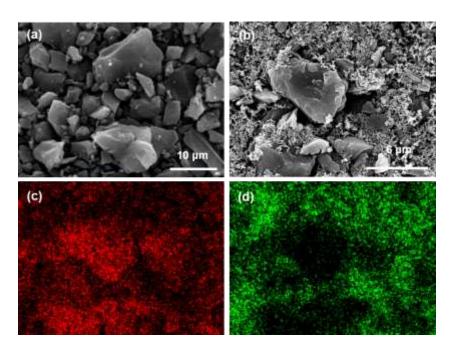


Fig. S2 SEM images of (a) ACP, (b) SNP/ACP composite and (c, d) EDS mapping of C and Si, respectively.

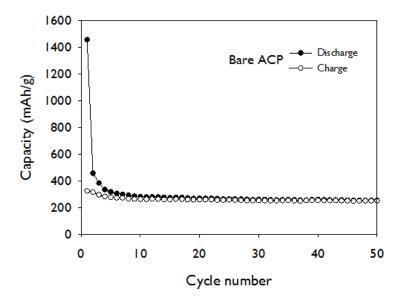


Fig. S3 Specific capacity over charge/discharge cycle of the ACP electrode. The irreversible capacity of ACP was 1133 mAh/g. Compared to the irreversible capacity of CNS electrode (348 mAh/g), this value was several times larger. Thus this large irreversible capacity of ACP was attributed to its high specific area.