

Electronic Supplementary Information (ESI)

Self-assembly of silicon/carbon hybrids and natural graphite as anode
materials for lithium-ion batteries

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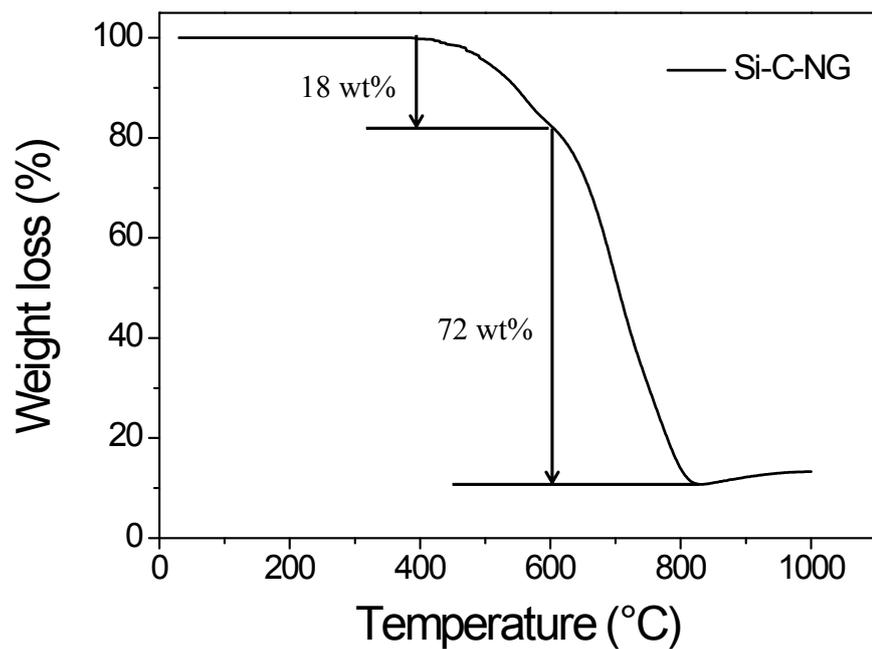


Figure S1. Thermogravimetric curve of Si-C-NG composites.

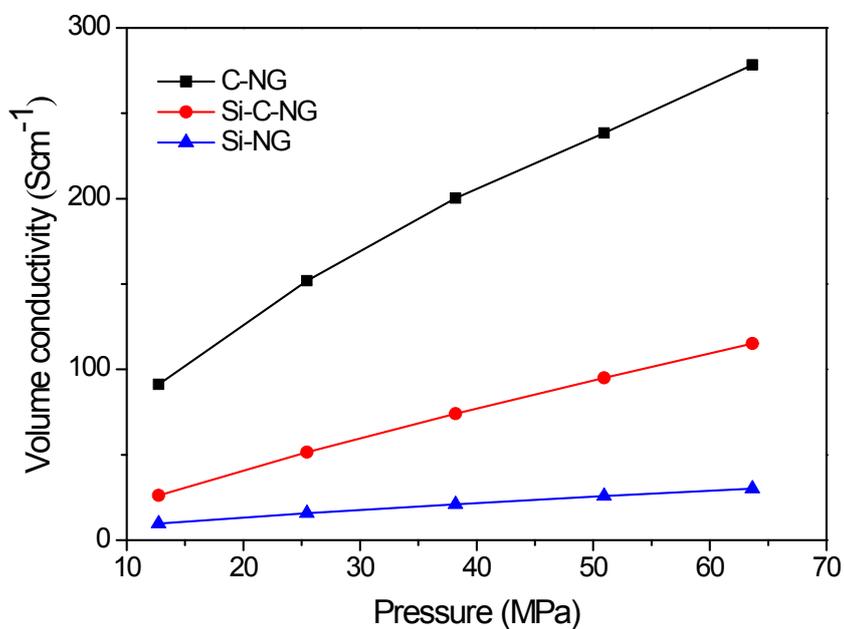


Figure S2. Electrical conductivities of Si-NG mixtures, Si-C-NG composites and C-NG composites.

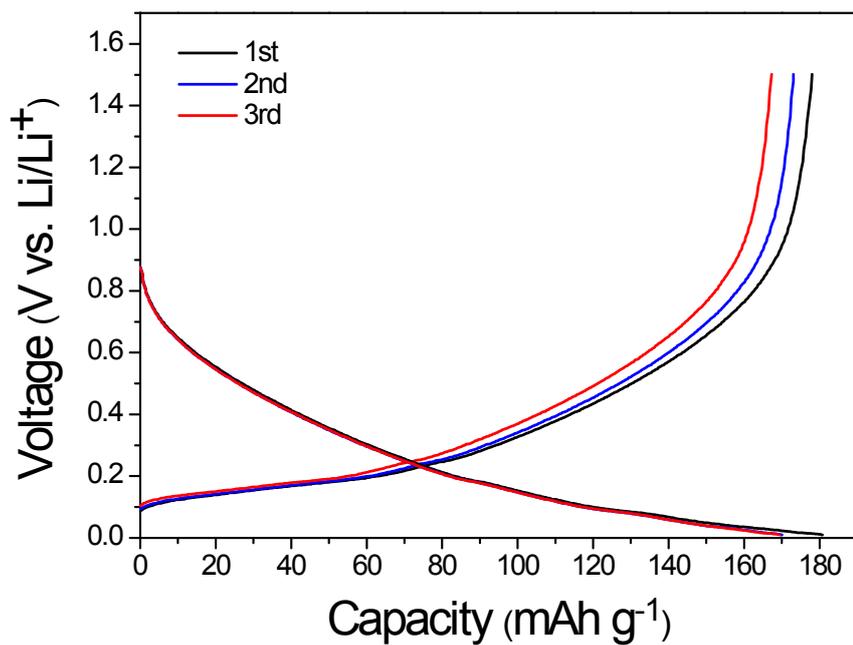


Figure S3. The charge/discharge profiles of the pyrolytic carbon derived from poly(AN-co-DVB) at the first three cycles (current density: 100 mA g⁻¹).

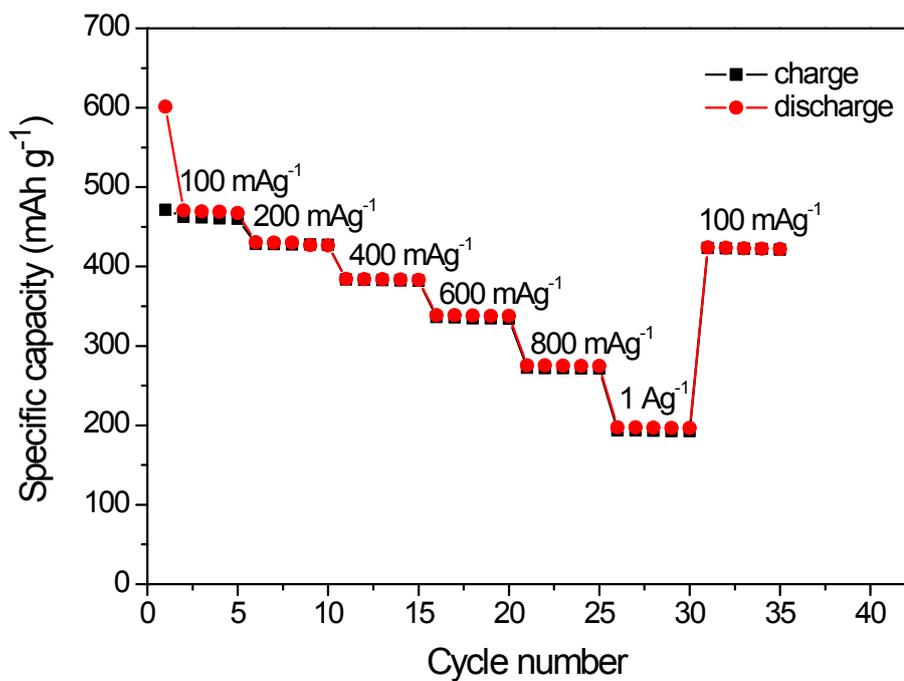


Figure S4. Rate performance of Si-C-NG composites at various current densities.

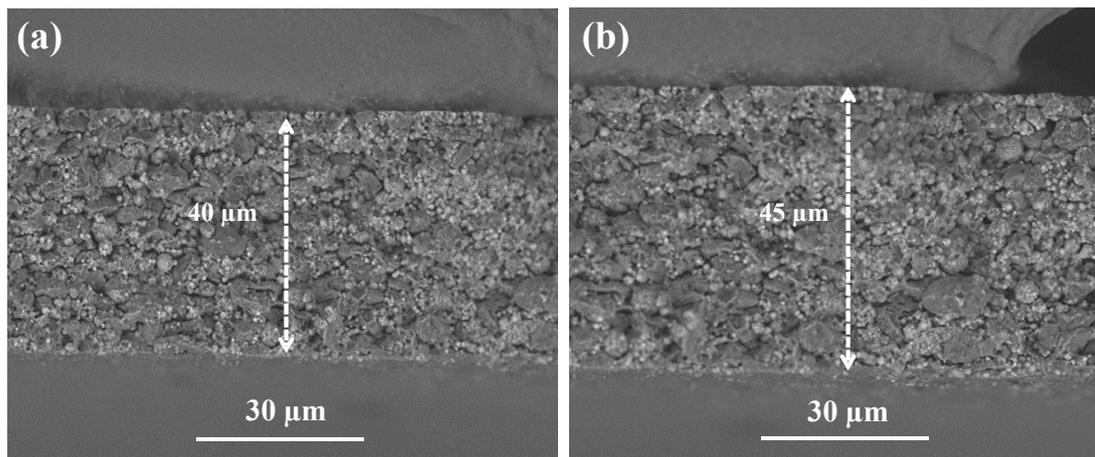


Figure S5. Cross-sectional SEM images of Si-C-NG composites electrodes, (a) after 30 cycles; (b) after 50 cycles.