Supporting Information

**Growth of silicon/carbon microrods on graphite microspheres as improved anodes for lithium-ion batteries**

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Figure S1. XRD patterns (a) and TG curves (b) of GMs, Si/C/GM800-5, Si/C/GM1000-3, Si/C/GM1000-5, and Si/C/GM1000-8.
Figure S2. (a) SEM image of Si/C/GM700-5, and (b) TG curves of GMs and Si/C/GM700-5.
Figure S3. SEM images of Si/C/GM800-5 (a), Si/C/GM1000-3 (b), Si/C/GM1000-5 (c), and Si/C/GM1000-8 (d).
**Figure S4.** SEM images of Si/C microrods grown on Cu substrate (a) and Si/C/GM composite without microrods formed on alumina plate (b) prepared at a CVD temperature of 900 °C for 8 h (insets are their magnified images).
Figure S5. Cycling performance of samples at different current densities.