Supporting information

A Novel SnS\textsubscript{2}@Graphene Nanocable Network for High-Performance Lithium Storage

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Figure S1. (a) Dark field transmission electron microscopy image. (b) Carbon, Tin and sulfur elemental mapping of a selected area of an individual SnS\textsubscript{2}@GT. Scale bar, 100 nm.

Figure S2. Cyclic voltammetry (CV) behavior of SnS\textsubscript{2}@GT.
Figure S3. TGA of as-prepared SnS$_2$@GT. The SnS$_2$ content estimated from the thermal analysis was ca. 71.6 wt % (Note: SnS$_2$ had been oxidized into SnO$_2$). The analysis was taken in air using a heating rate of 10°C min$^{-1}$. The weight loss from room temperature to 200°C was due to the removal of physisorbed and chemisorbed water.

Figure S4. EIS of SnS$_2$@GT and SnS$_2$-T