

Supporting Information

Ultra-thin SnS₂ Nanoparticles on Graphene Nanosheets: Synthesis, Characterization and Li-ion Storage Applications

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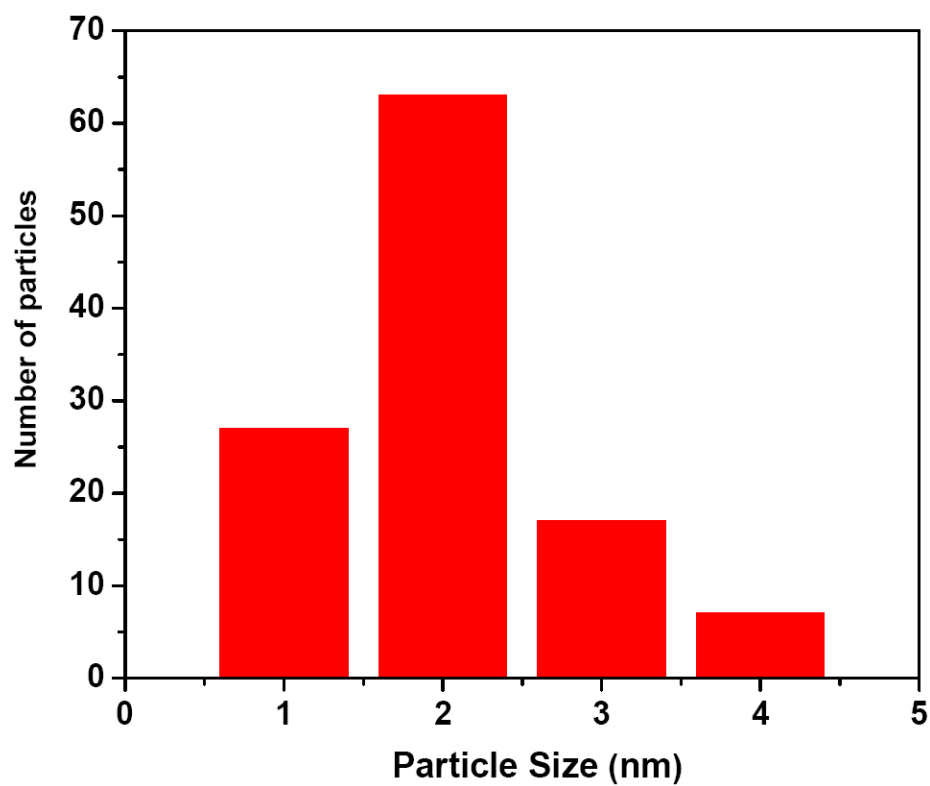


Figure S1. Particle size distribution profile of SnS₂ nanoparticles decorated on the graphene surface in SnS₂/GNS nanocomposite (calculated from HR-TEM images).

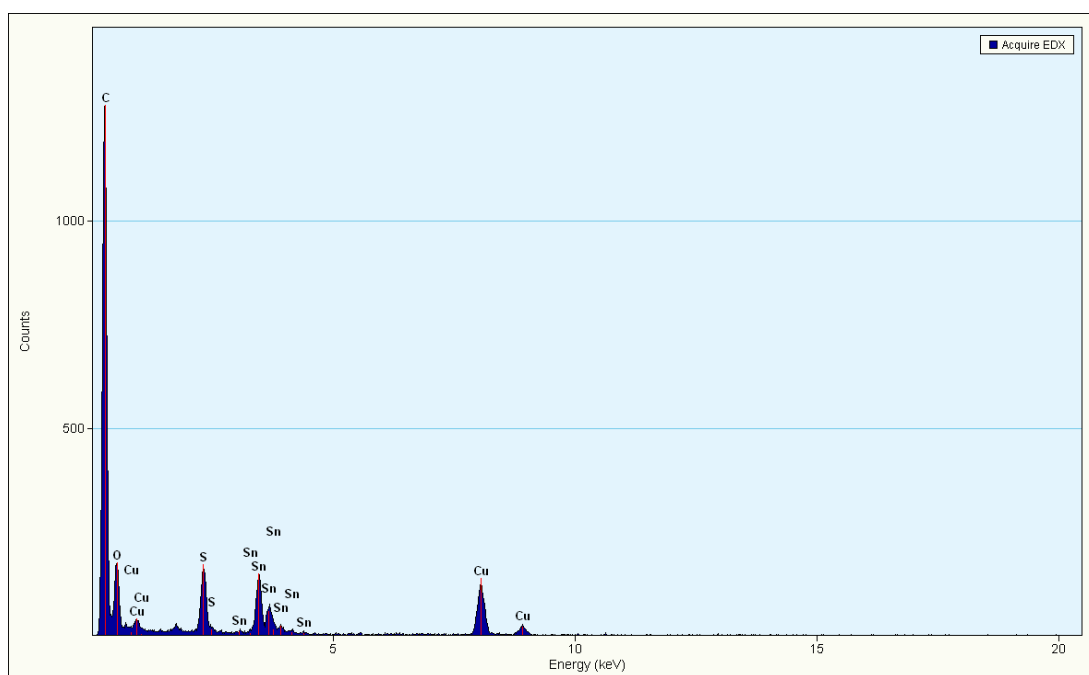


Figure S2. TEM-EDX profile of SnS₂/GNS nanocomposite on Cu grid indicates the presence of Sn, S and C in the SnS₂/GNS nanocomposite.

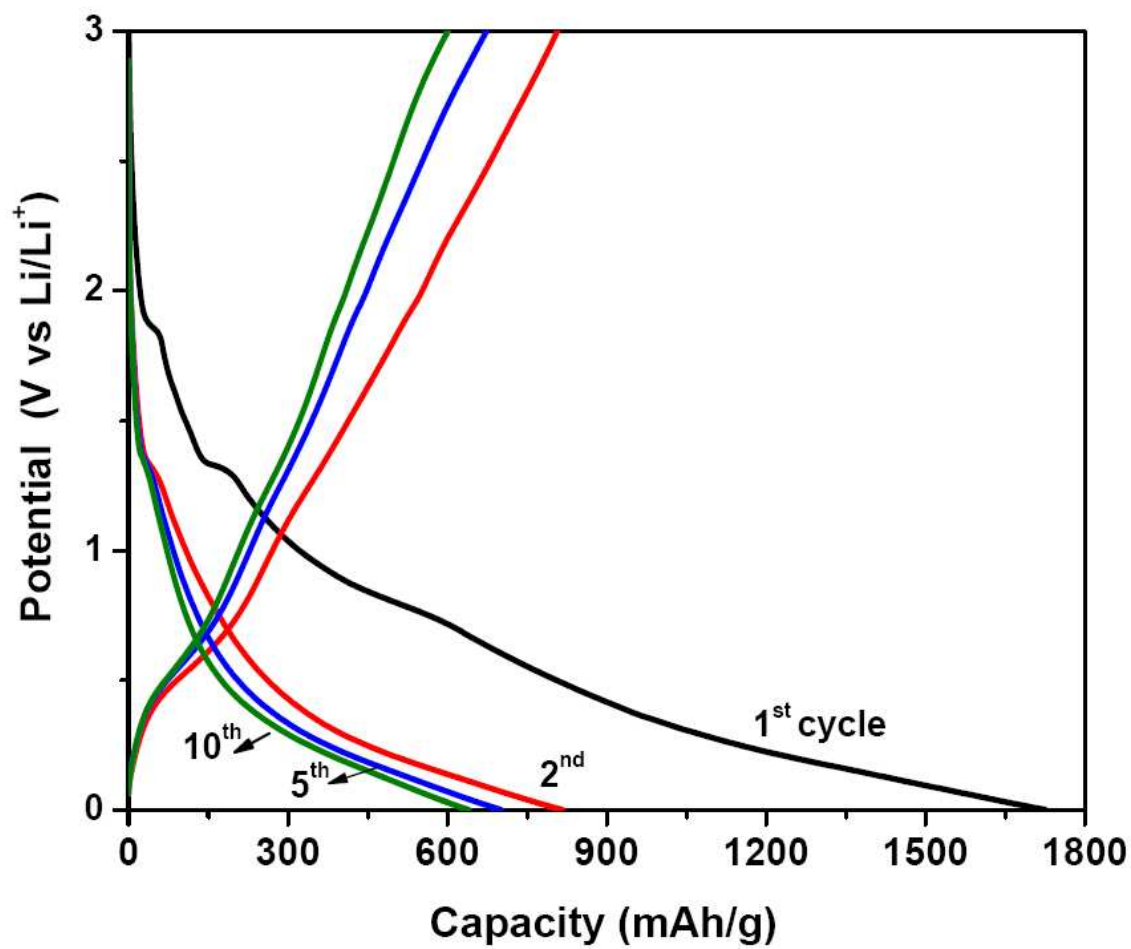


Figure S3. Li-ion charge-discharge profile of SnS₂/GNS nanocomposite at current density of 0.1C.

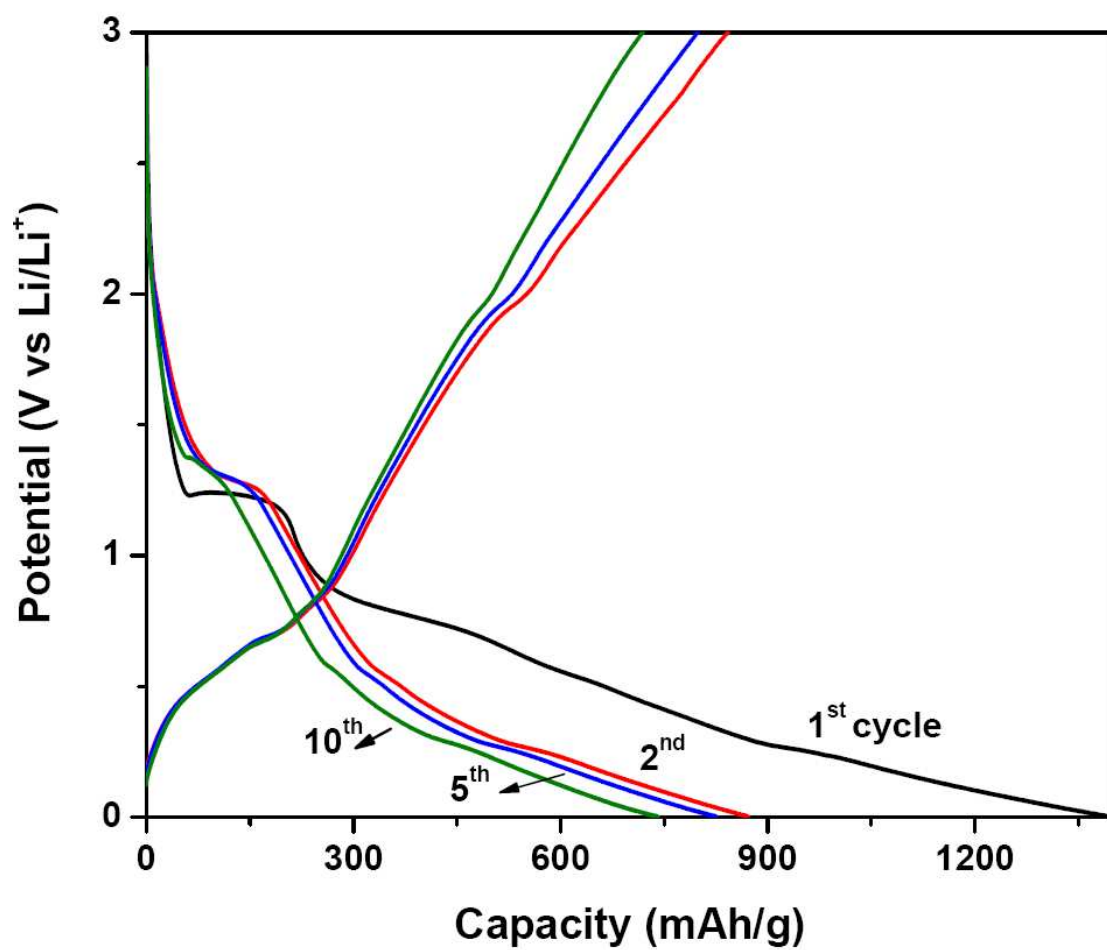


Figure S4. Li-ion charge-discharge profile of SnS₂/GNS-RG nanocomposite at current density of 0.1C

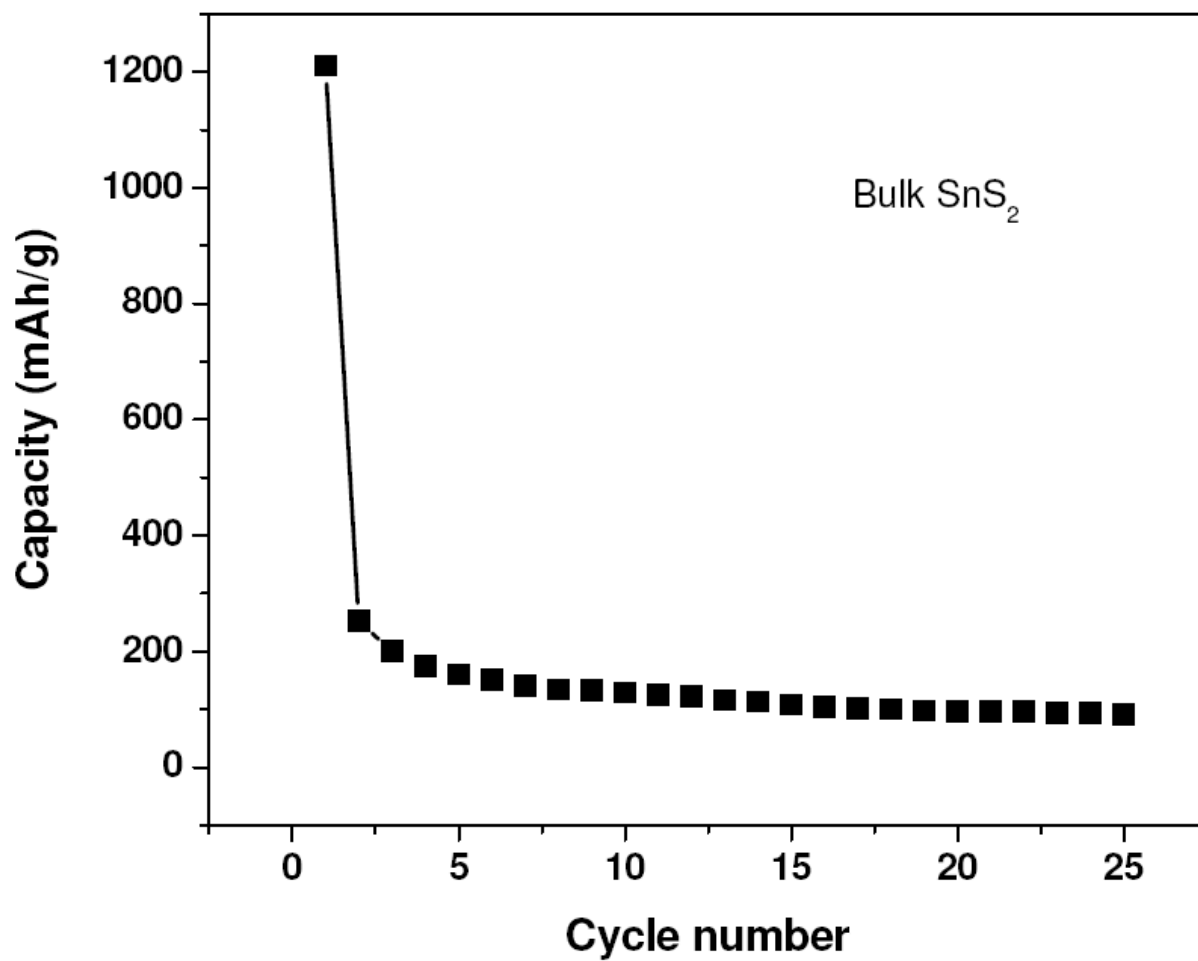


Figure S5. Capacity profile (up to 25 cycles) of GNS free bulk SnS₂ electrodes at current density of 0.1C

