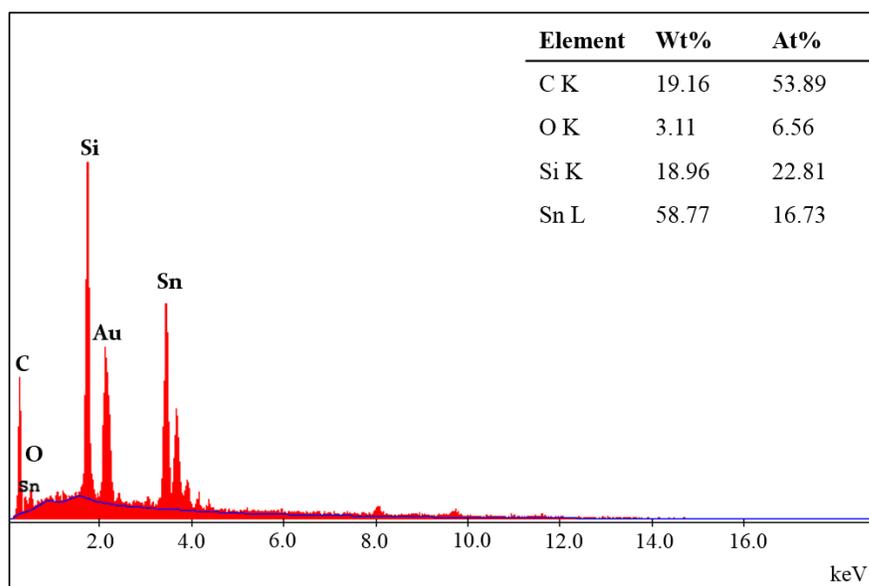


# Synthesis of Curved Si Flakes Using Mg Powder as Both Template and Reductant and Their Derivatives for Lithium-Ion Batteries

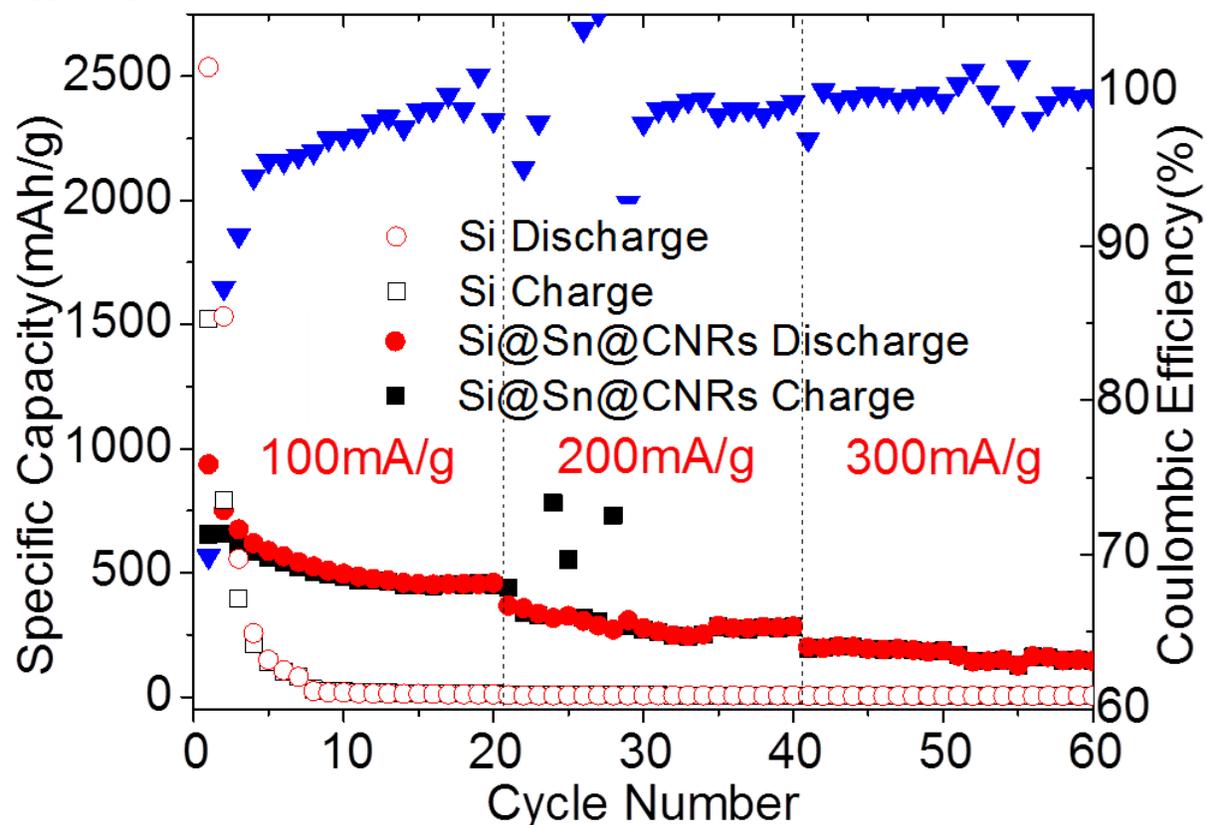
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**Figure S1.** EDS analysis of of Si@Sn@CNRs.



**Figure S2.** Cycling and rate performances of the as synthesized bare Si flakes (hollow) and Si@Sn@CNRs flakes (solid) at testing currents of 100, 200 and 300 mA/g for 20 cycles each.