Electronic Supplementary Information

Dense core-shell structured SnO$_2$/C composites as high performance anodes for lithium ion batteries

Jun Liu, Wen Li, and Arumugam Manthiram*

Materials Science and Engineering Program, The University of Texas at Austin, Austin, TX 78712, United State of America. Fax: 512-471-7681; Tel: 512-471-1791; E-mail: rmanth@mail.utexas.edu

Fig. S1. SEM images of (a and b) hollow SnO$_2$ spheres and (c and d) dense core-shell SnO$_2$/C spheres. The regions marked with 1 (SnO$_2$/C shell) and 2 (carbon core) in (d) were analyzed by EDS, and the EDS data are given in Fig. S2.
Fig. S2. EDS analysis of dense core-shell SnO$_2$/C: collected in (a) region 1 and (b) region 2 indicated in Fig. S1(d).