Supporting Information:

**Room-Temperature Synthesis of ZnO@GO Nanocomposite as Anode for Lithium-Ion Batteries**

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**FIG S1.** SEM images of GO at (a) low and (b) high magnifications.



**FIG S2.** (a) SEM images of ZnO@GO nanocomposite. EDX elemental mappings of (b) zinc, (c) oxygen and (d) carbon over selected area of image (a).



**FIG S3.** N2 adsorption and desorption isotherms of ZnO@GO and ZnO NPs.



**FIG S4.** TGA curves of ZnO@GO and ZnO NPs under oxygen atmosphere from room temperature to 800 °C at 10 °C min-1.