Supplementary Information

Facile synthesis of sandwiched Zn_2GeO_4/graphene oxide nanocomposite as a stable and high-capacity anode for lithium-ion batteries

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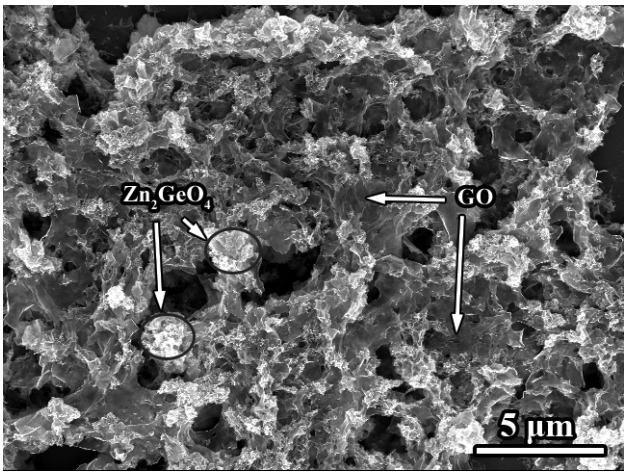

Fig. S1 SEM image for the precursor to Zn_2GeO_4/GO-2 after reaction for 1 h.

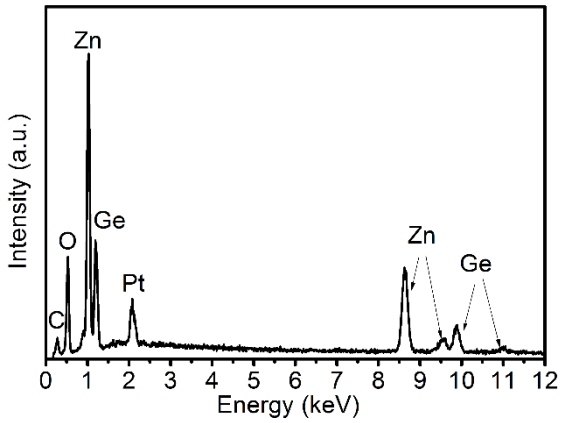

Fig. S2 EDX spectrum of the as-formed Zn_2GeO_4/GO-2 nanocomposite. The signal of Pt is generated from the surface coating of Pt by sputtering for SEM measurements.

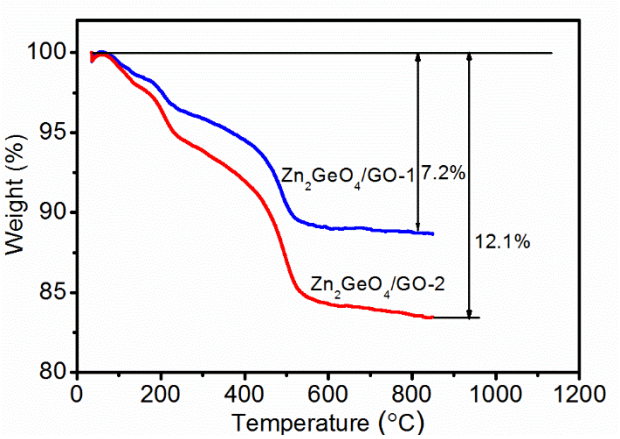

Fig. S3 TG curves of Zn_2GeO_4/GO-1and Zn_2GeO_4/GO-2 obtained in air atmosphere at a heating rate of 10 ºC min^{-1}.

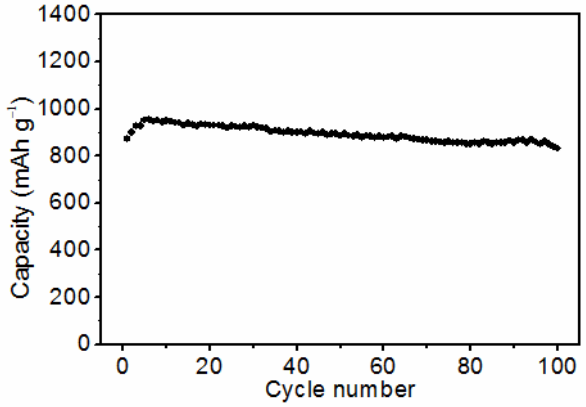

Fig. S4 Cyclic performance of the Zn_2GeO_4/GO nanocomposite with a higher GO content (16.1%).

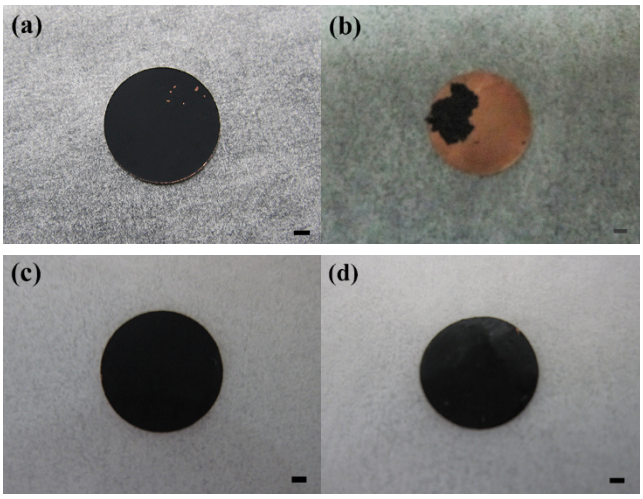

Fig. S5 Digital photos: the fresh electrodes of (a) Zn_2GeO_4/GO-0 and (c) Zn_2GeO_4/GO-2; (b) the Zn_2GeO_4/GO-0 electrode after 10 discharge-charge cycles; and (d) the Zn_2GeO_4/GO-2 electrode after 100 discharge-charge cycles. The scale bars in the images are 1 mm.