Electronic Supplementary Information (ESI)

Percolation threshold of graphene nanosheets as conductive additive in Li$_4$Ti$_5$O$_{12}$ anodes of Li-ion batteries

Biao Zhang, Yang Yu, Yusi Liu, Zhen-Dong Huang, Yan-bing He and Jang-Kyo Kim*

Department of Mechanical Engineering, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, China. Email: mejkkim@ust.hk

Fig. S1 Charge/discharge curves of graphene nanosheets obtained at different current rates. (1C= 175 mA g$^{-1}$)
Fig. S2 CV curves at different scan rates of electrodes containing GNSs: (a) 0 wt.%; (b) 1 wt.%; (c) 2 wt.%; (d) 3.5 wt.%; (e) 5 wt.%; and (f) 10 wt.%; and (g) electrode containing 15 wt.% CB.
Fig. S3 High magnification SEM images showing LTO/5wt.% GNS electrode (a) before and (b) after 50 cycles.