Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Graphene Induced Growth of Single Crystalline Sb_2MoO_6 Sheets and the Sodium Storage Performance

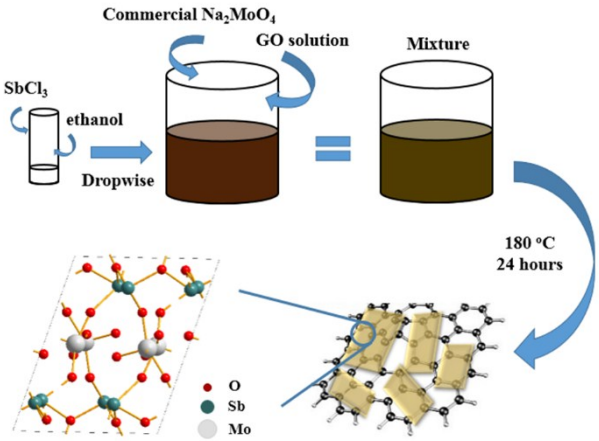

Figure 1. Schematic illustration of the synthetic process of Sb_2MoO_6/RGO composites.

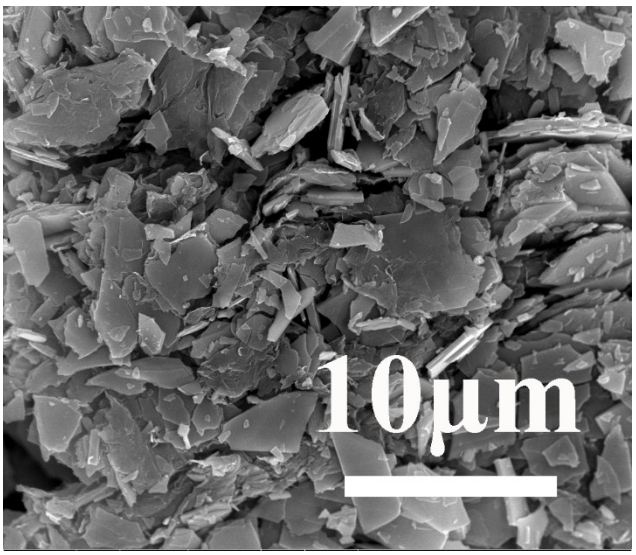

Figure S2. SEM image of the as prepared Sb_2MoO_6/RGO composite.

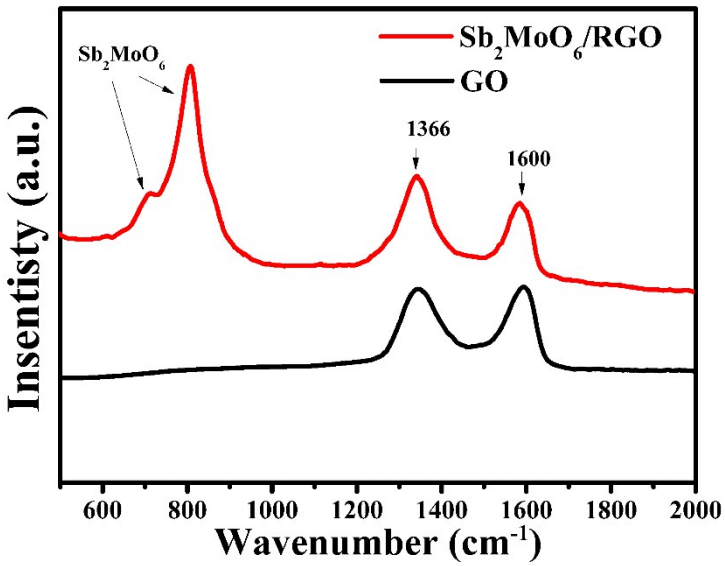

Figure S3. Raman spectra of GO and the as-prepared Sb_2MoO_6/RGO composite.

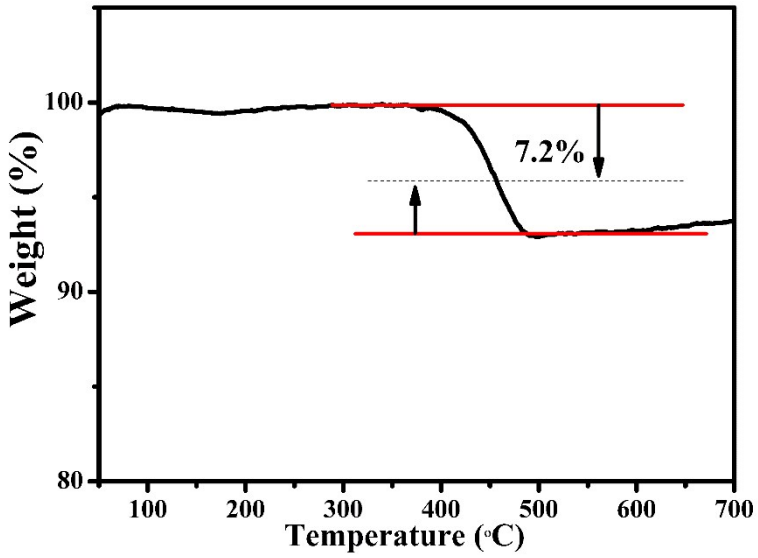

Figure S4. TG curve of the as prepared Sb_2MoO_6/RGO composite.

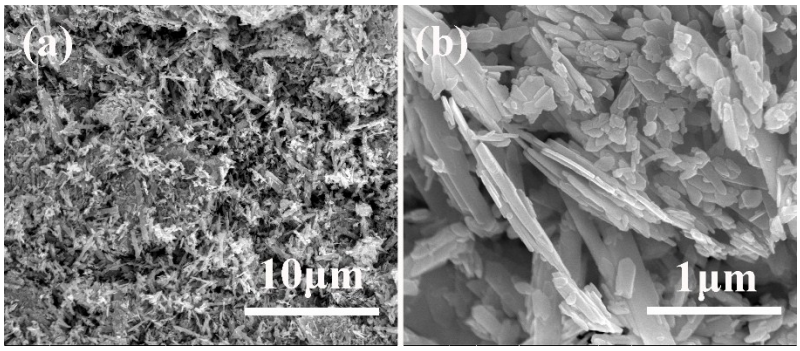

Figure S5. SEM images of the product without GO.

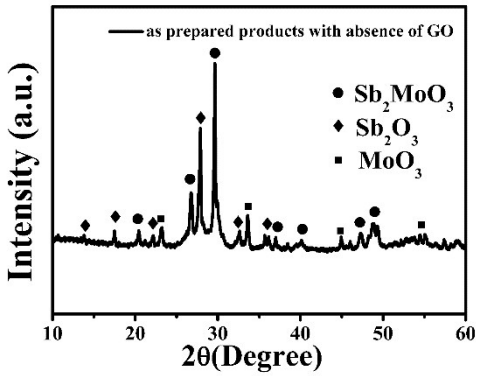

Figure S6. XRD pattern of the product without GO.

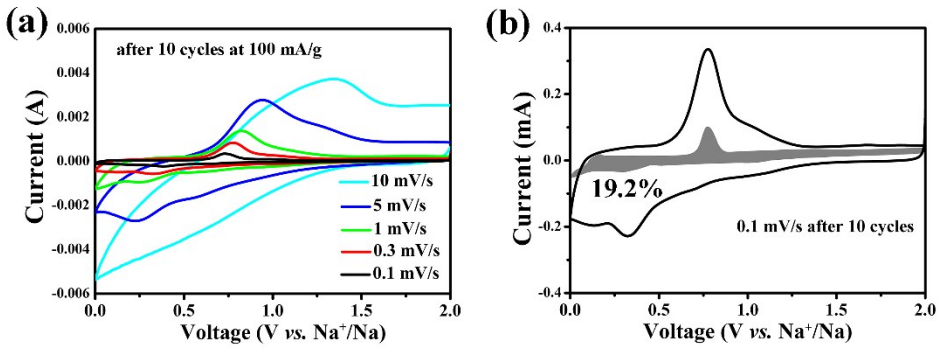

Figure S7. (a) CV curves of Sb_2MoO_6/RGO at various scan rates from 0.1 to 10 mV s^{-1} after 10 cycles at 100 mA g^{-1}; (b) Separation of the capacitive and diffusion-controlled currents at a scan rate of 0.1 mV s^{-1}.

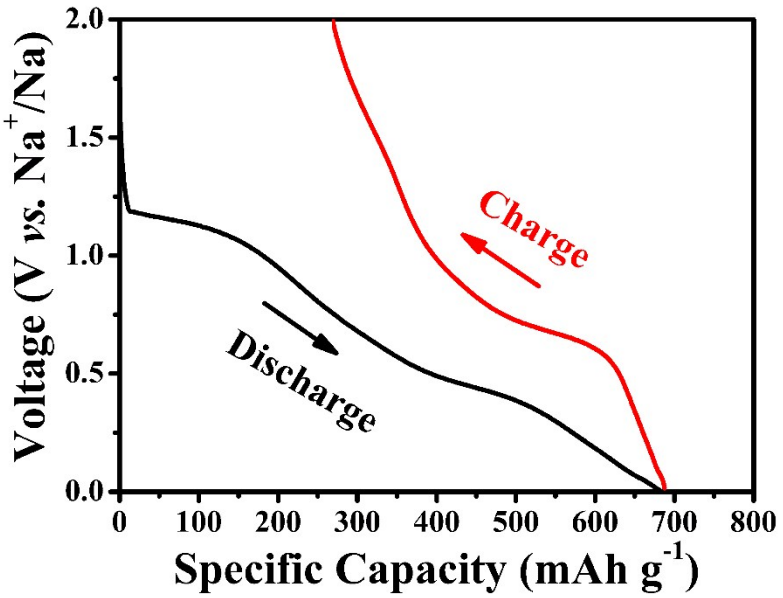

Figure S8. The first discharge/charge curves of Sb_2MoO_6/RGO

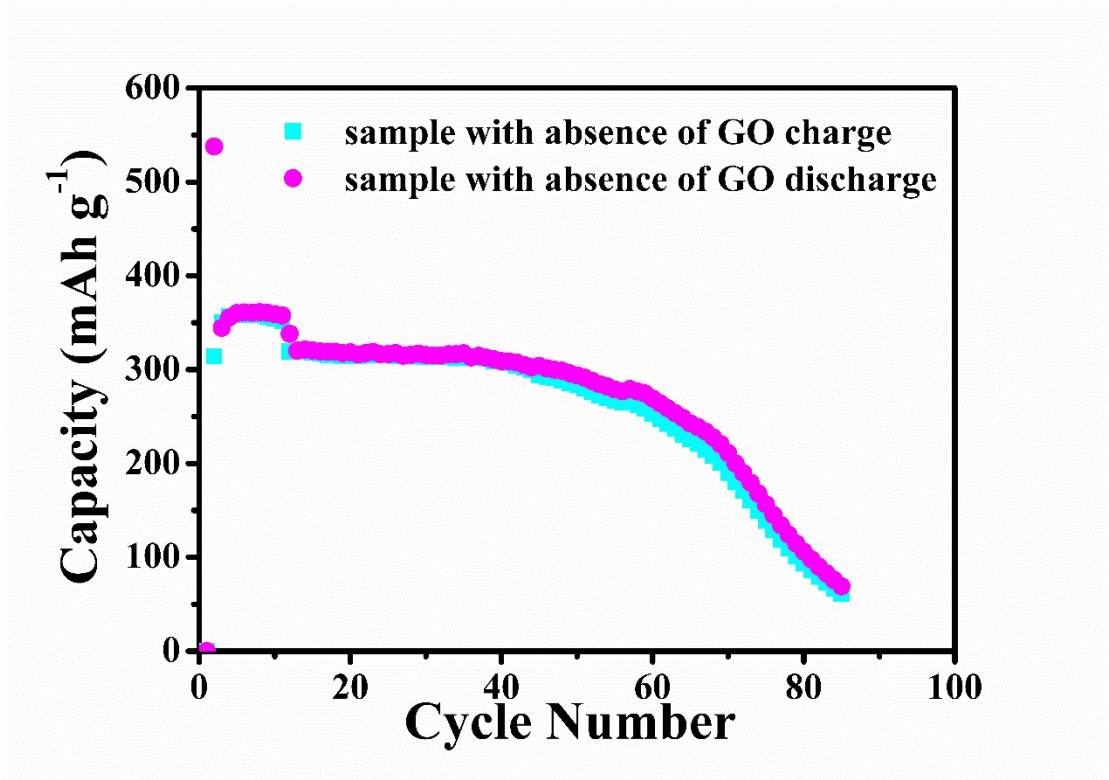

Figure S9. The cycling performance of sample without GO.

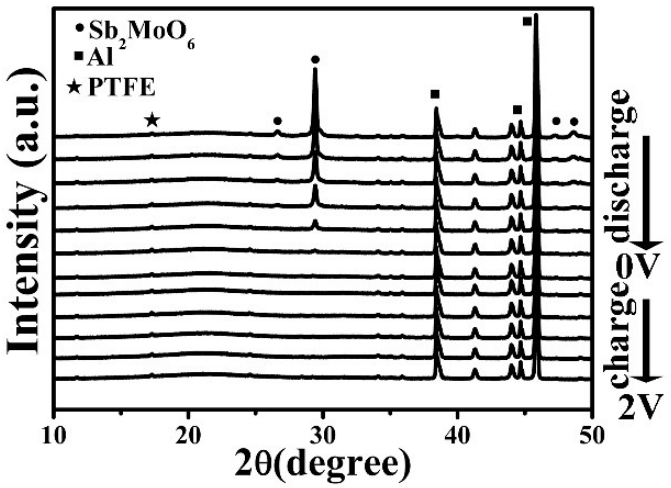

Figure S10. *In situ* XRD patterns of Sb_2MoO_6/RGO electrode in the initial cycle.

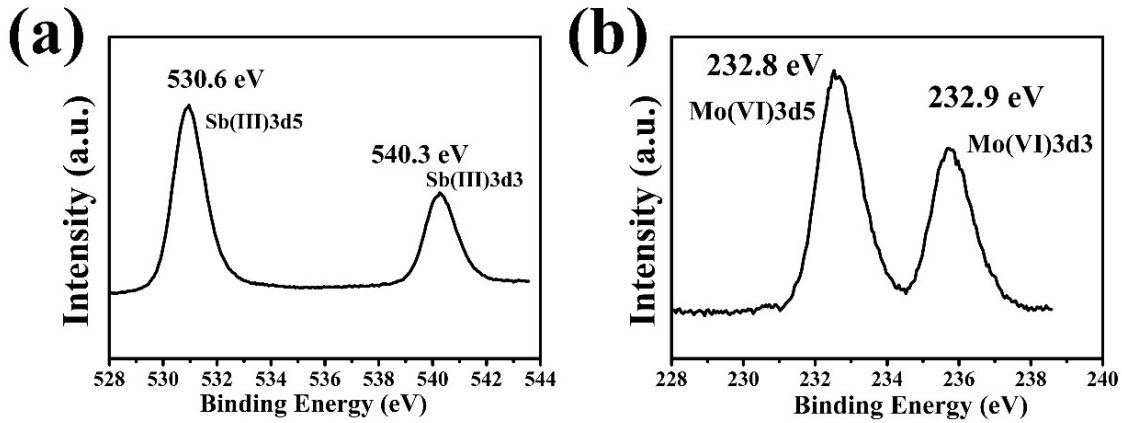

Figure S11. High resolution XPS spectra of Sb 3d (a) and Mo 3d (b) in the as prepared Sb_2MoO_6/RGO.