

Supporting Information for
Graphene-like MoS₂/graphene Nanocomposite as High-performance Anode for Lithium Ion Batteries

Yongchang Liu, Yanping Zhao, Lifang Jiao* and Jun Chen

Key Laboratory of Advanced Energy Materials Chemistry (MOE), College of Chemistry,
Collaborative Innovation Center of Chemical Science and Engineering, Nankai University,
Tianjin 300071, P.R. China

Supplementary Figures

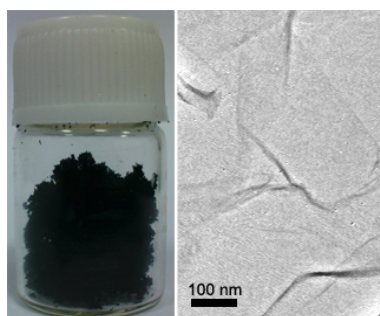


Fig. S1 Macro and micro morphologies of as-synthesized graphene nanosheets (GNS).

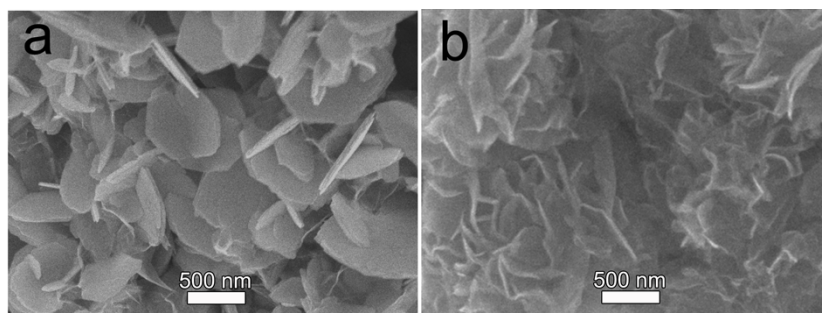


Fig. S2 SEM images of (a) pure restacked MoS₂, (b) MoS₂/GNS-30 composite.

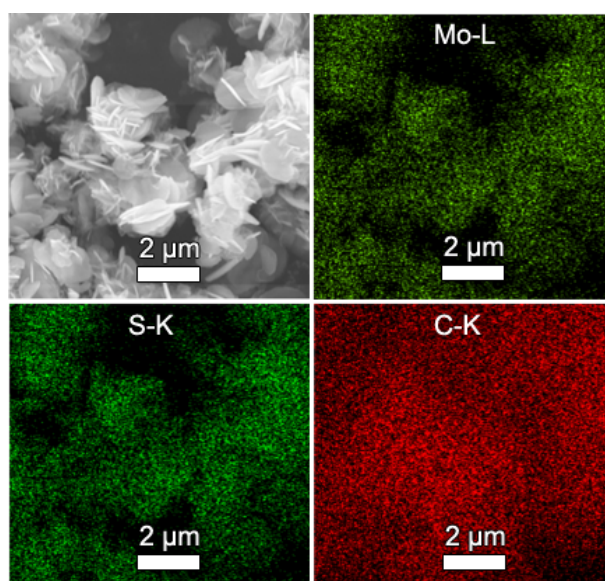


Fig. S3 SEM EDX mapping image of MoS₂/GNS-15 nanocomposite.

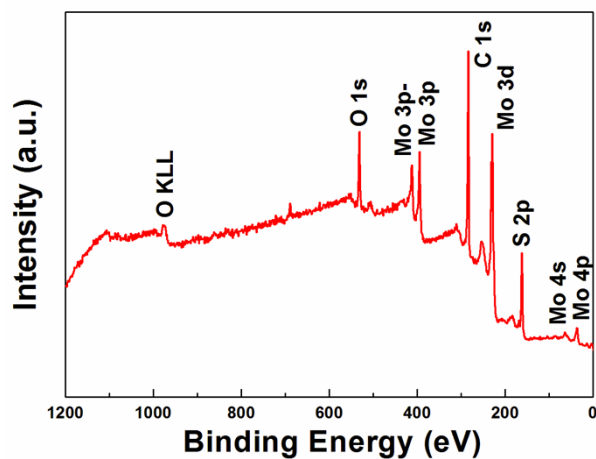


Fig. S4 Survey XPS spectrum of MoS₂/GNS-15 nanocomposite.

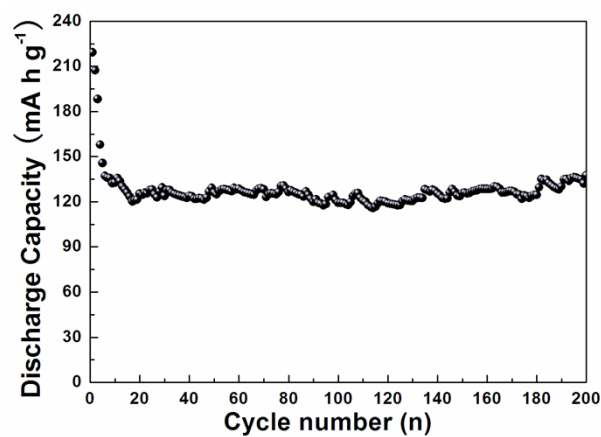


Fig. S5 The cycling behavior of free GNS obtained by a thermal exfoliation process in lithium ion batteries (at a current density of 100 mA g⁻¹).