Supporting Information

SiO_2-assisted synthesis of layered MoS_2/reduced graphene oxide intercalation composites as high performance anode materials for Li-ion batteries

Nguyen Tronganh [a,c], Yaqing Yang [a], Fang Chen [a], Mengna Lu [a], Yong Jiang [a,*],

Yang Gao [b], Lingli Cheng [b], Zheng Jiao [b,*]

[a] *School of Environmental and Chemical Engineering, Shanghai University. Shanghai 200444, P.R. China.*

[b] *Shanghai Applied Radiation Institute, Shanghai University, Shanghai 201800, P.R. China*

[c] *Faculty of Chemical and Environmental Engineering, Lac Hong University, Bienhoa, Dongnai 810000, Vietnam*

[*] Correspondence author. *E–mail address*: jiangyong@shu.edu.cn (Y. Jiang); Tel.: +86 21 66137508.

[**] Correspondence author. *E–mail address*: zjiao@shu.edu.cn (Z. Jiao); Tel.: +86 21 66135160.

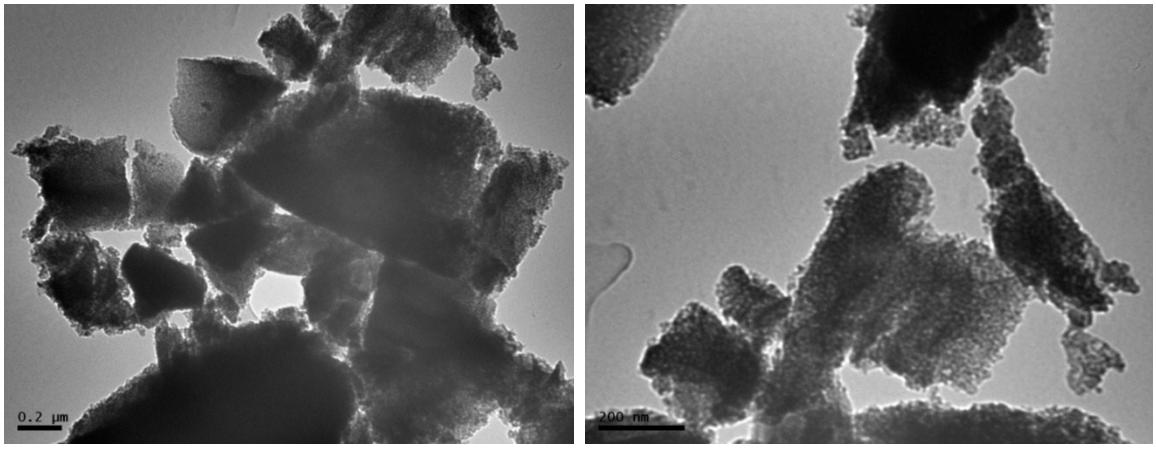

Fig. S1 TEM images of SiO_2 template.

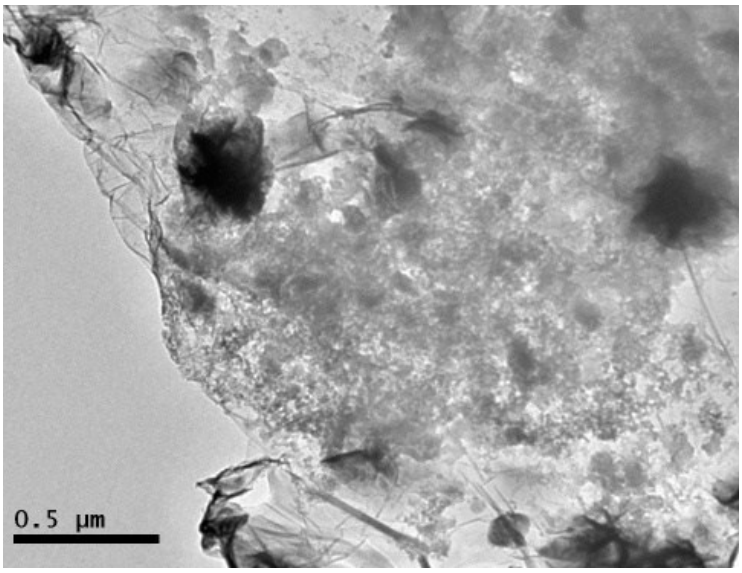

Fig. S2 TEM image of MoS_2/rGO-0.5 composite before leaching of the SiO_2.

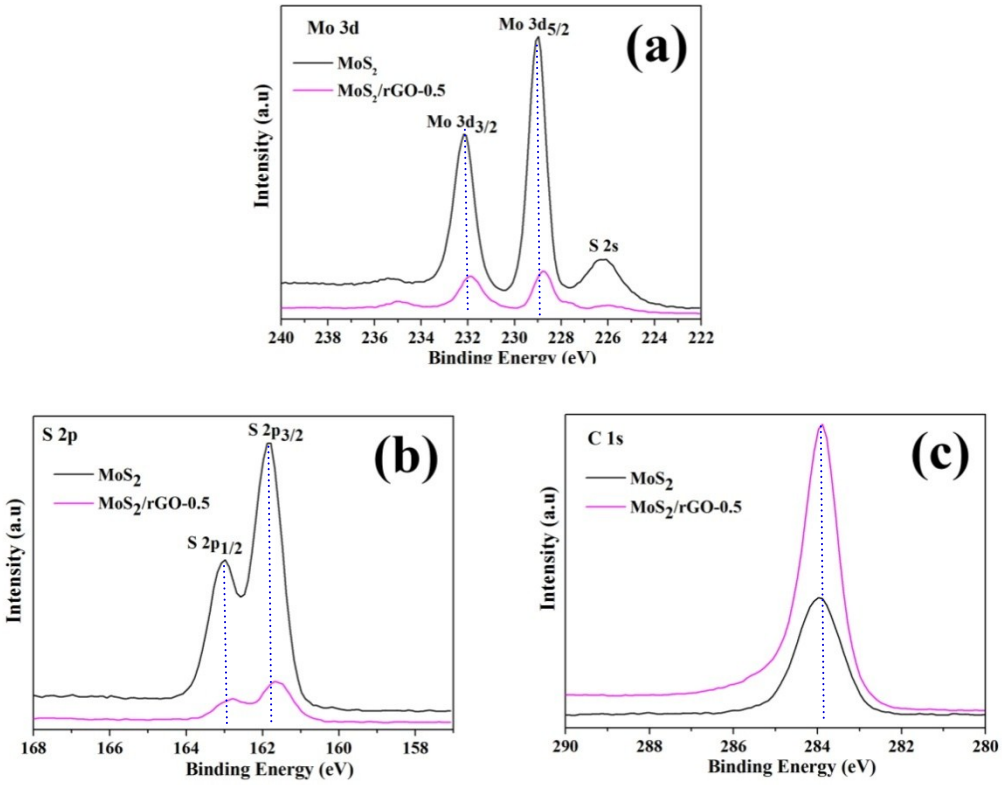

Fig. S3 XPS spectra of (a) Mo 3d, (b) S 2p and (c) C 1s electrons of the pure MoS_2 and MoS_2/rGO-0.5 composite.