Supporting Information

Integration of network-like porous NiMoO$_4$ nanoarchitectures assembled with ultrathin mesoporous nanosheets on three-dimensional graphene foam for highly reversible lithium storage

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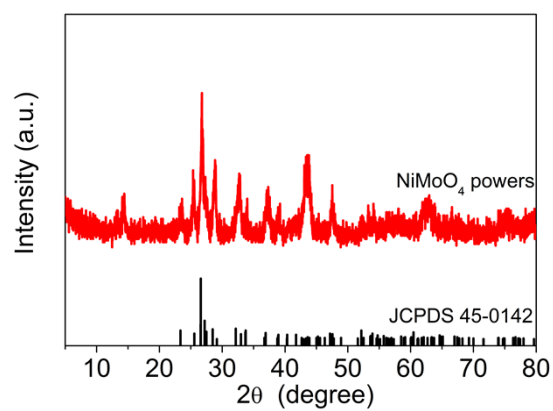E-mail address: songmei_li@buaa.edu.cn.
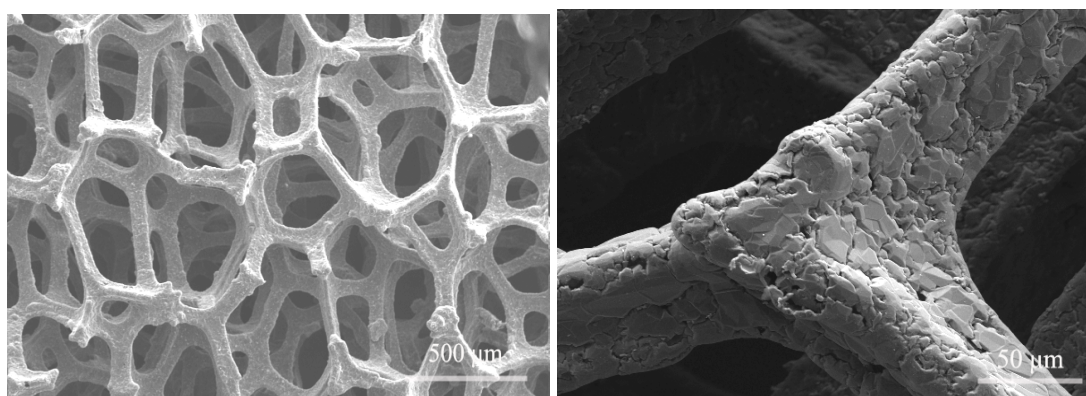
Fig. S1 The typical XRD pattern of NiMoO$_4$ powders.

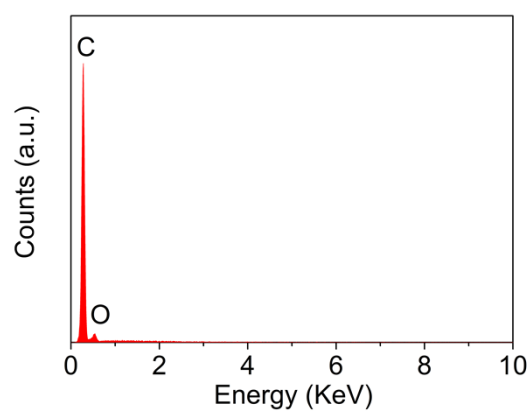**Fig. S2** SEM images of as-prepared 3DGF at different magnifications.

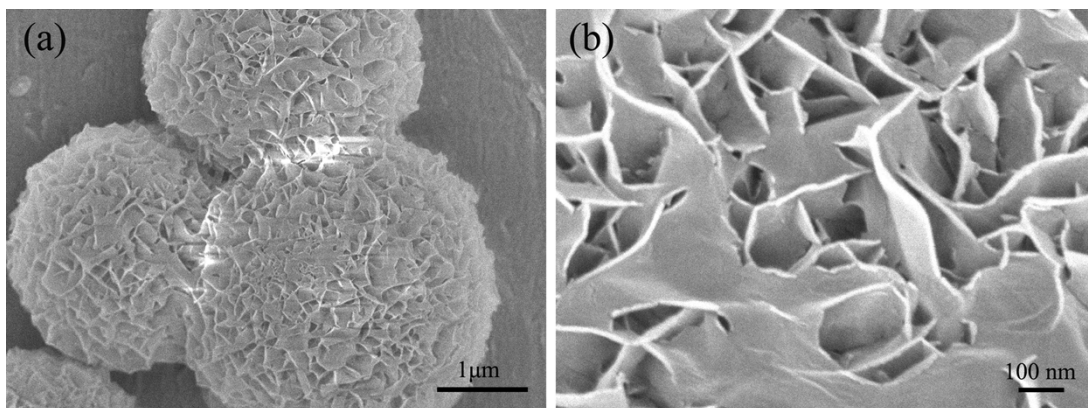
Fig. S3 EDS spectrum of as-prepared 3DGF.

Fig. S4 The SEM images (a and b) of NiMoO4 nanosheets spheres grown in solution without GF substrate at different magnifications.
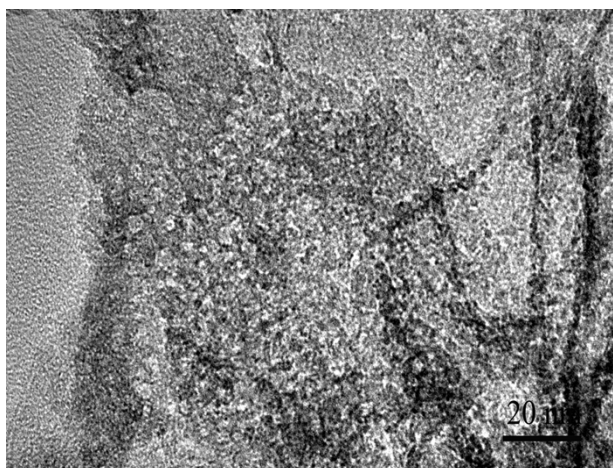

Fig. S5 The higher magnification TEM image of the $NiMoO_4$ nanosheets revealing the mesoporous feature.
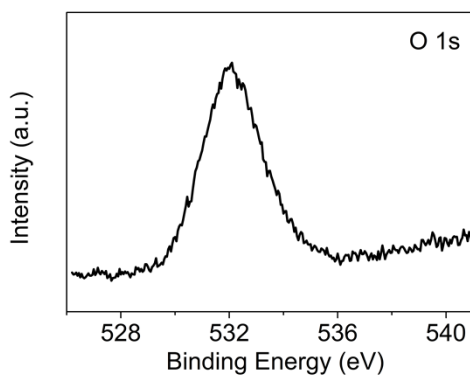

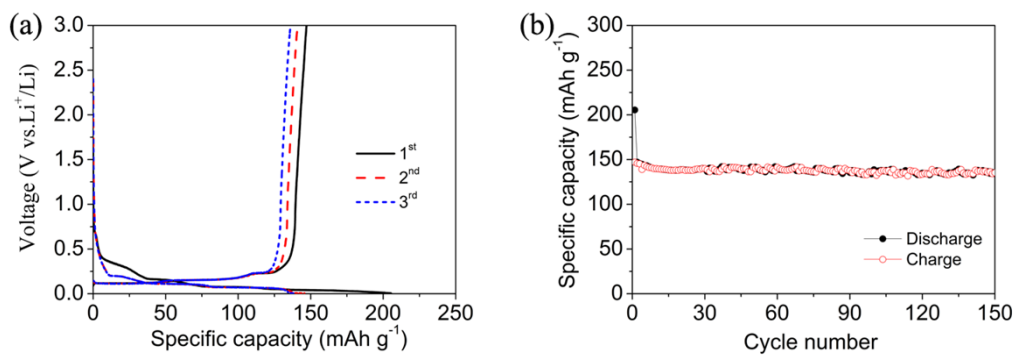**Fig. S6** XPS spectra of O 1s for $NiMoO_4$@3DGF composites.

Fig. S7 (a) Galvanostatic charge-discharge voltage profiles of 3DGF electrode for the first three cycles at a current density of 200 mA g^{-1}, (b) Cycling performance of 3DGF electrode at the current density of 200 mA g^{-1}.