Self-Assembly Vertical Graphene-Based MoO₃ Nanosheets for High Performance Supercapacitors

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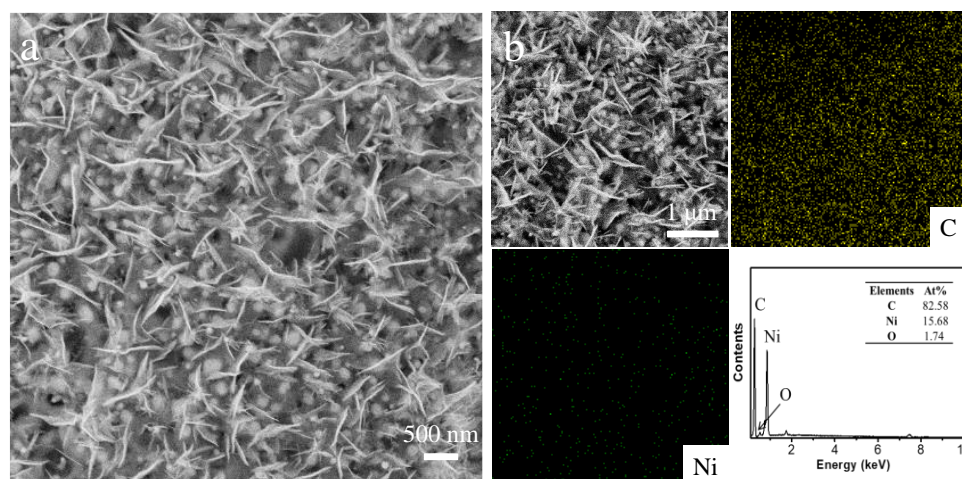

Figure S1. Micro-morphologies and material compositions of the pristine VGs. (**a**) Low-magnification SEM image. (**b**) EDS spectrum of the VGs and elemental mapping images of C and Ni in the sample.
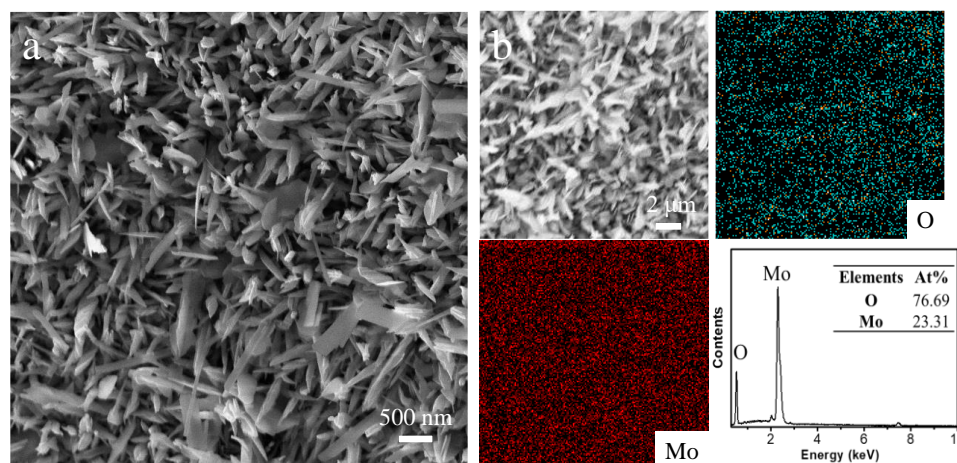

Figure S2. Micro-morphologies and material compositions of the pristine MoO₃ nanosheets. (**a**) Low-magnification SEM image. (**b**) EDS spectrum of the MoO₃ nanosheets and elemental mapping images of Mo and O in the sample.
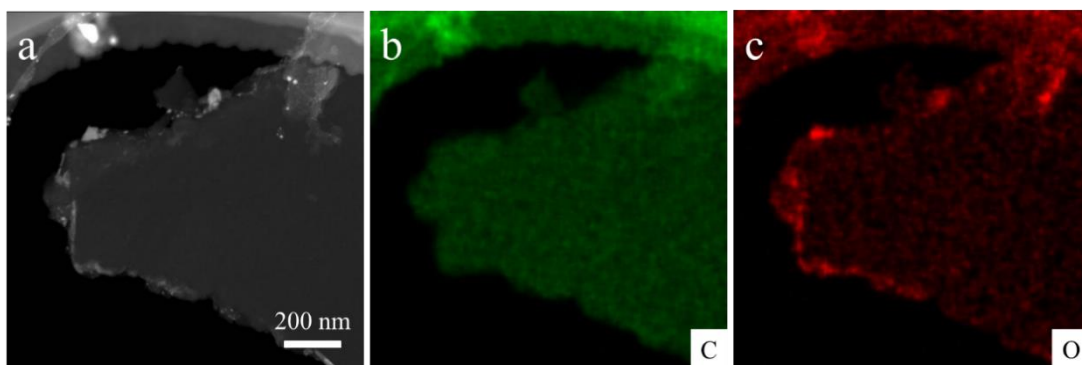
Figure S3. TEM HADDF image and elemental mapping images of the pristine VG. (**a**) HAADF image. (**b**,**c**) Mapping images of different elements C and O existing in the sample.
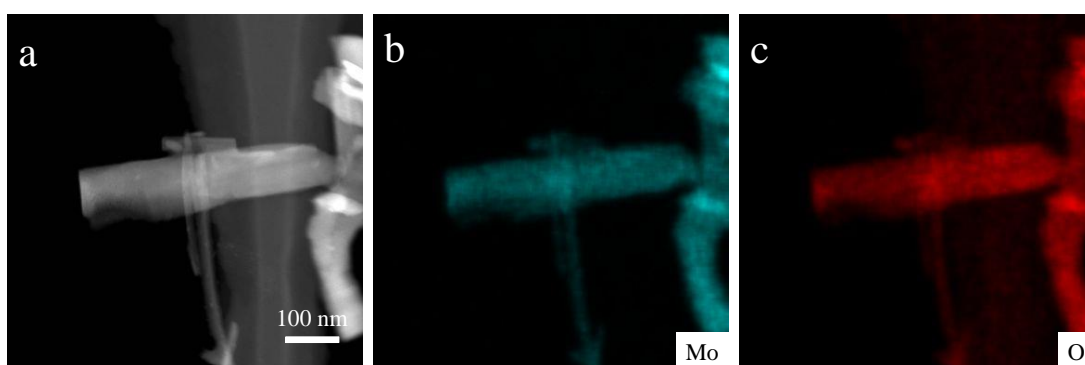

Figure S4. TEM HADDF image and elemental mapping images of the pristine MoO_3 nanosheet. (**a**) HAADF image. (**b**,**c**) Mapping images of different elements Mo and O existing in the sample.
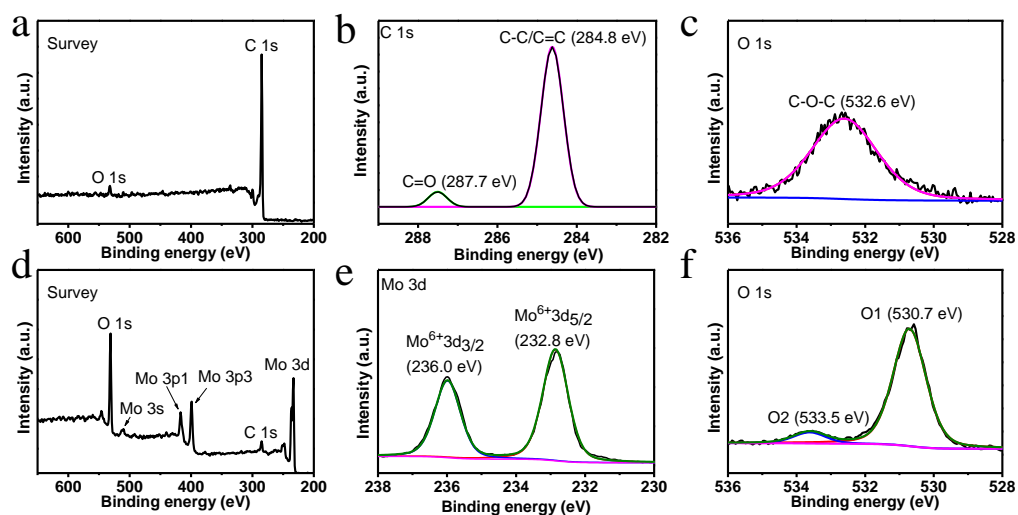

Figure S5. XPS characterizations of the pristine VGs and MoO_3 nanosheets. (**a**) Wide-scanning survey XPS spectrum of the VGs. (**b**,**c**) High-resolution XPS spectra of C 1s and O 1s. (**d**) Wide-scanning survey XPS spectrum of the MoO_3 nanosheets. (**e**,**f**) High-resolution XPS spectra of Mo 3d and O 1s.