

## **Supporting Information**

### **MnMoO<sub>4</sub>-S nanosheets with rich oxygen vacancies for high-performance supercapacitors**

**Hao Fu, Meixin Wang, Qing Ma, Mingwen Wang, Xiping Ma,**

**Yaping Ye\***

**Beijing Key Laboratory for Science and Application of Functional Molecular  
and Crystalline Materials, University of Science and Technology Beijing, Beijing  
100083, China**

\*Corresponding author. Tel.: +8613651330863

E-mail address: [yypfree@sas.ustb.edu.cn](mailto:yypfree@sas.ustb.edu.cn)

Table S 1 Elements distribution of the overall surface, flower composed of nanosheets and  
nanocone of MnMoO<sub>4</sub>-S

	overall		flower		nanocone	
Element	Atom%	Weight%	Atom%	Weight%	Atom%	Weight%
O	0.48	46.67	0.15	49.25	0.19	39.87
S	0.02	2.30	0.01	3.73	0.11	24.90
Mn	0.13	22.72	0.03	19.42	0.04	12.46
Mo	0.15	28.31	0.04	27.59	0.07	22.77



Fig.S1. A custom teflon shelf that holds six pieces of Ni foam

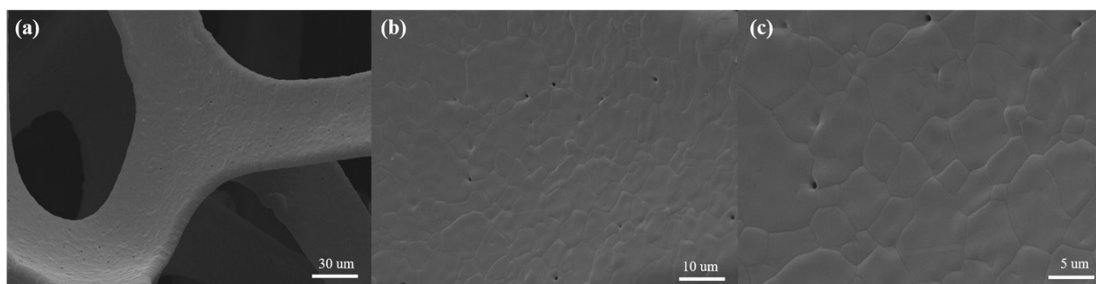


Fig.S2.SEM of Ni foam pretreated by 3M HCl in different magnification

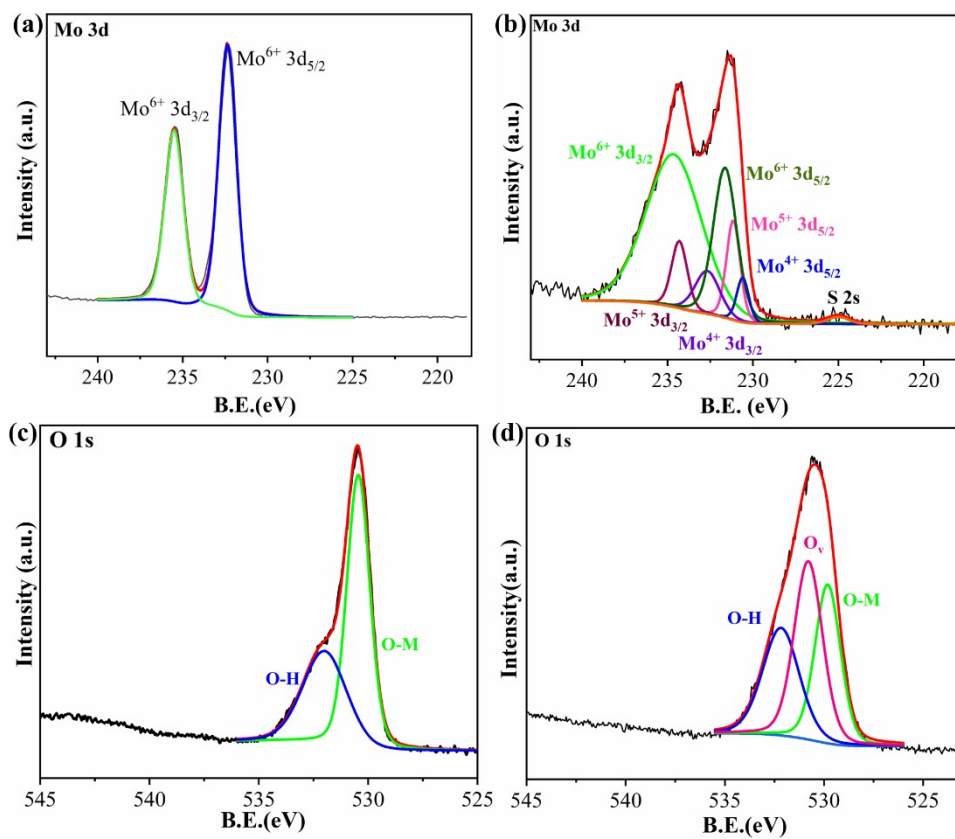


Fig.S3. XPS spectra of Mo 3d orbits of (a)MnMoO<sub>4</sub>;(b) MnMoO<sub>4</sub>-S, O 1s orbits of (c)MnMoO<sub>4</sub>;(d)

MnMoO<sub>4</sub>-S,

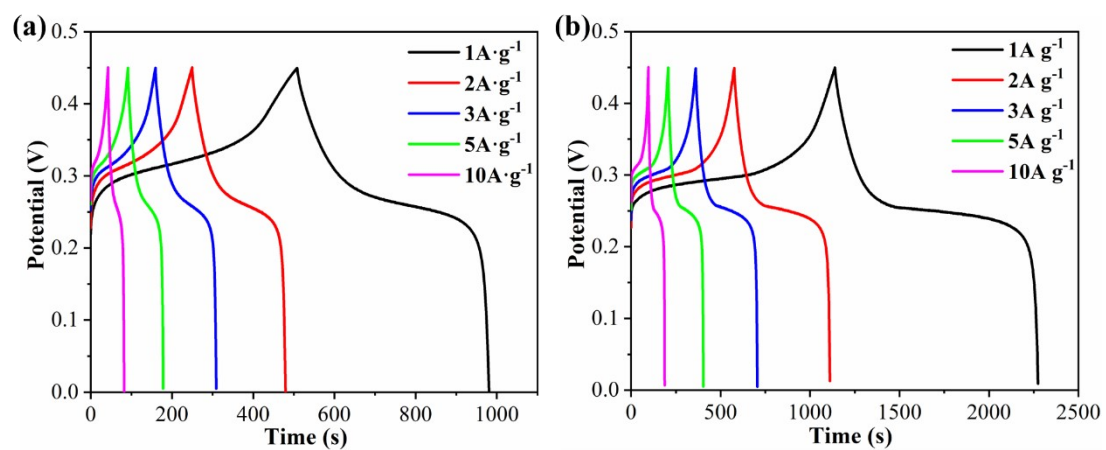


Fig.S4. CV curves of (a)MnMoO<sub>4</sub>;(b) MnMoO<sub>4</sub>-S