

Supporting information for

Great Wall structure inspired 2D@2D hetero-layered W-doped MoS₂ towards enhanced hydrogen evolution reaction

Sainan Ma ^{a,c,d}, Qing Yan ^{b*}, Huiqin Gui ^b, Ruiqin Gao ^b, Luohuan Zhang ^d, Xiaojing Bai ^{e*}
and Kui Cheng ^{a*}

^a*College of Engineering, Northeast Agricultural University, Harbin, 150030, China*

^b*School of Biological and Chemical Engineering, NingboTech University, Ningbo, 315100, China*

^c*Ningbo Innovation Center, Zhejiang University, Ningbo, 315100, China*

^d*Ningbo Dechang Electrical Machinery Made Co., LTD, Ningbo, 315100, China*

^e*College of Materials Science and Engineering, Anyang Institute of Technology, Anyang, Henan, 455000, China.*

*Corresponding Authors:

yanqing@nbt.edu.cn (Qing Yan);

baixiaojing@ayit.edu.cn (Xiaojing Bai);

chengkui@neau.edu.cn (Kui Cheng)

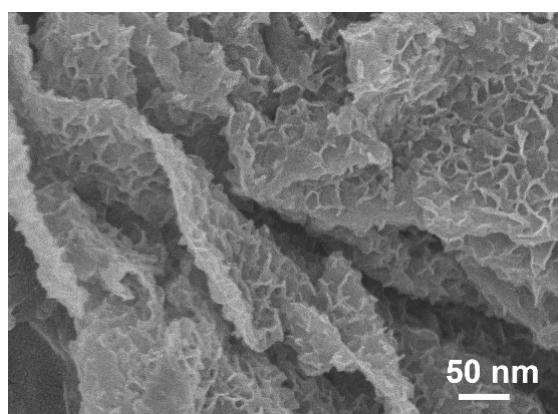


Fig. S1. SEM image of the MoS₂-G sample.

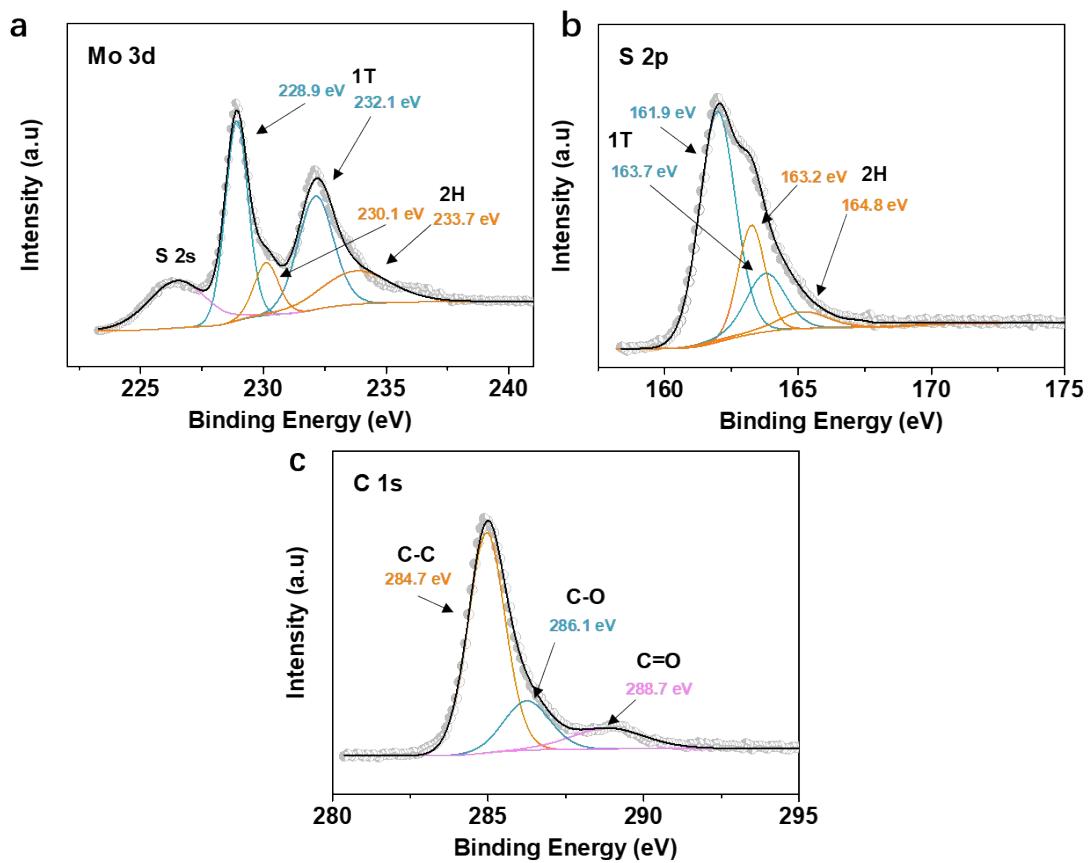


Fig. S2. XPS high-resolution spectra of MoS₂-G for (a) Mo 3d, (b) S 2p, and (c) C 1s.

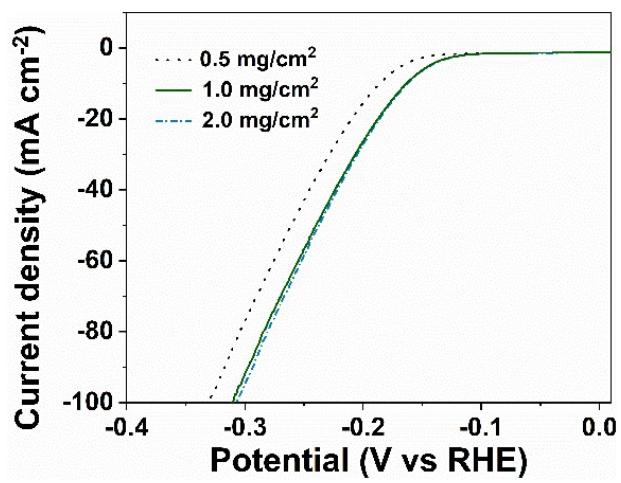


Fig. S3. HER performance of different catalyst loadings.

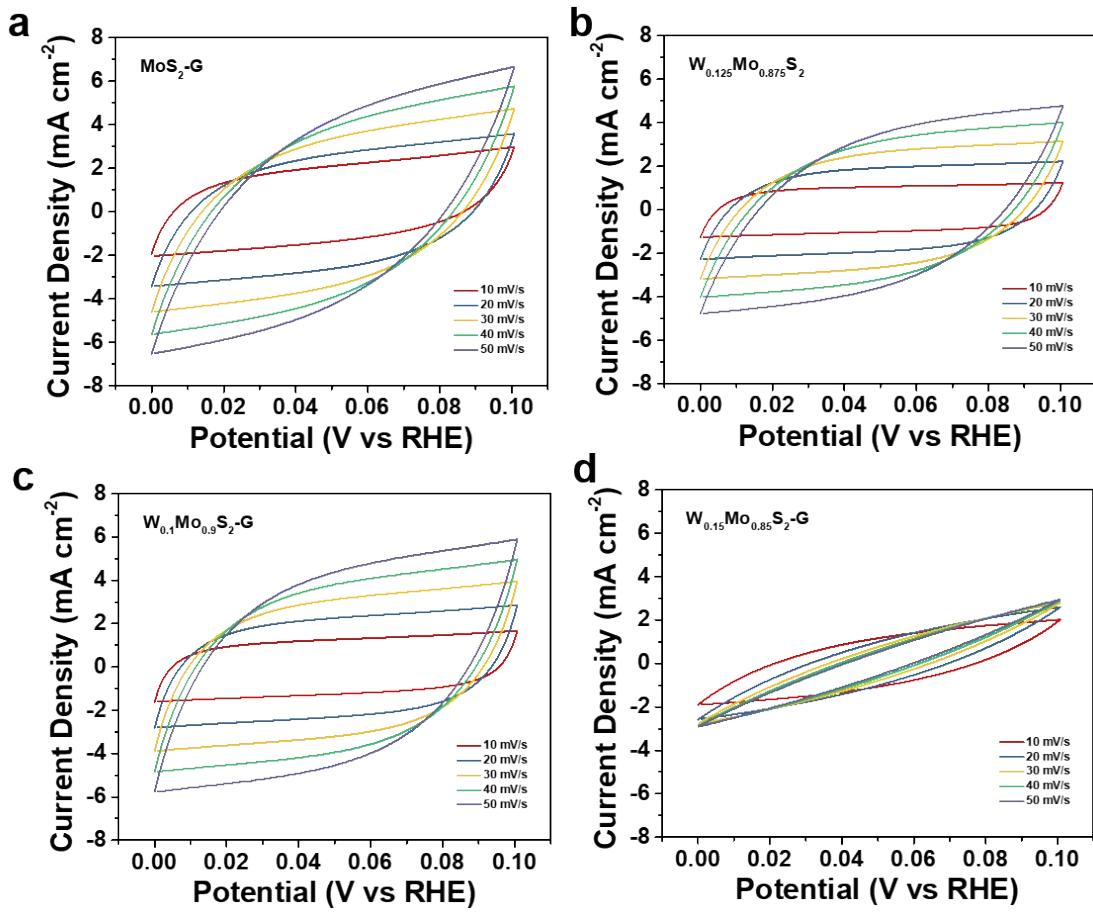


Fig. S4. The CV curves of the prepared (a) MoS₂-G, (b) W_{0.125}Mo_{0.875}S₂, (c) W_{0.1}Mo_{0.9}S₂-G, and (d) W_{0.15}Mo_{0.85}S₂-G.