

Electronic Supplementary Information (ESI)

Synthesis of hierarchical MoSe₂ nanolayers on sodium sulfide crystals for electrocatalytic hydrogen evolution

Xiaoshuang Chen^{1,2}, Meina Ju¹, Kun Song¹, Guoli Chen¹, Rui Yang^{1,2} and Jinping Wang¹

¹College of Chemistry and Chemical Engineering, Qiqihar University, Qiqihar 161006, P. R. China. E-mail: cxshuang1988@163.com

²Heilongjiang Provincial Key Laboratory of Surface Active Agent and Auxiliary, Qiqihar 161006, P. R. China

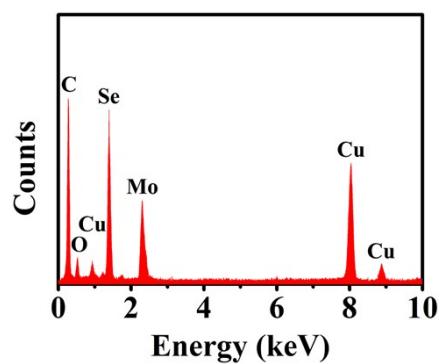


Fig. S1 EDX spectrum of MoSe_2 nanomaterials.

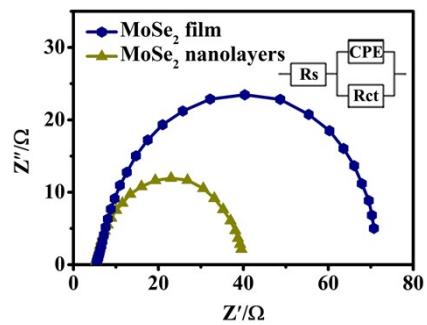


Fig. S2 Nyquist curves of MoSe₂ products.

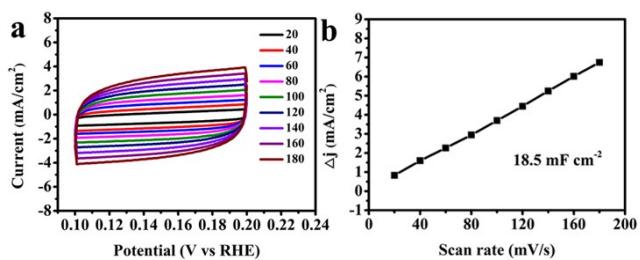


Fig. S3 Cyclic voltammetry curves a) of MoSe₂ nanomaterials at different scan rate in the potential range of 0.1-0.2 V *vs* RHE; b) The current density difference value Δj at 0.15 V *vs* RHE plotted against scan rate linearly fitted to obtain C_{dl} .