Supporting Information

Ultrathin molybdenum disulfide/carbon nitride nanosheets with abundant active sites for enhanced hydrogen evolution

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Figure S1 (a) SEM and (b) TEM images of pure MoS_2 sheets. (c) SEM and (d) TEM images of acidifying C_3N_4 .



Figure S2 SEM images of bulk $g-C_3N_4$ at different magnification.



Figure S3 SEM and TEM images of MoS_2/C_3N_4 -1 (a, d), MoS_2/C_3N_4 -2 (b, e), and MoS_2/C_3N_4 -4 (c, f).



Figure S4 XRD patterns of bulk g-C₃N₄ and acidifying C₃N₄.



Figure S5 Raman spectra of pure MoS₂ and MoS₂/C₃N₄-3 nanocomposite.



Figure S6 High-resolution (a) Mo3d and (b) S2p spectra of pure MoS₂.



Figure S7 The side view of the proposed structural model of MoS_2/C_3N_4 -3 nanocomposite.