

Supplementary Materials: MoSe₂-GO/rGO Composite Catalyst for Hydrogen Evolution Reaction

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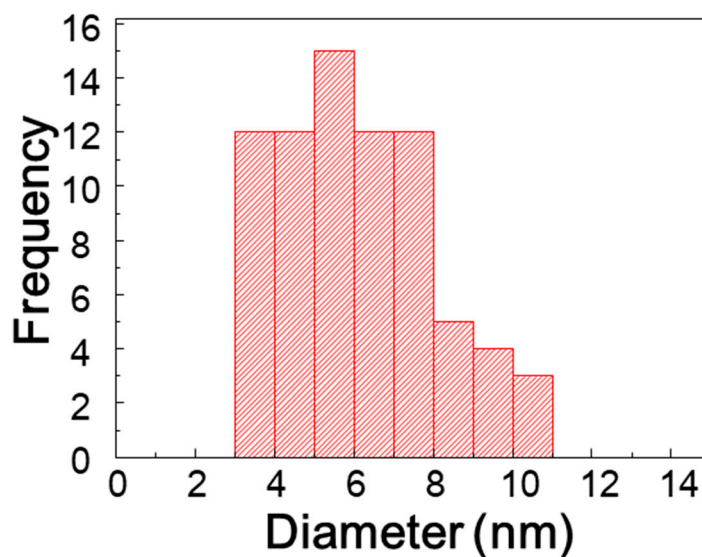


Figure S1. Size distribution of as-obtained MoSe₂ nanosheets.

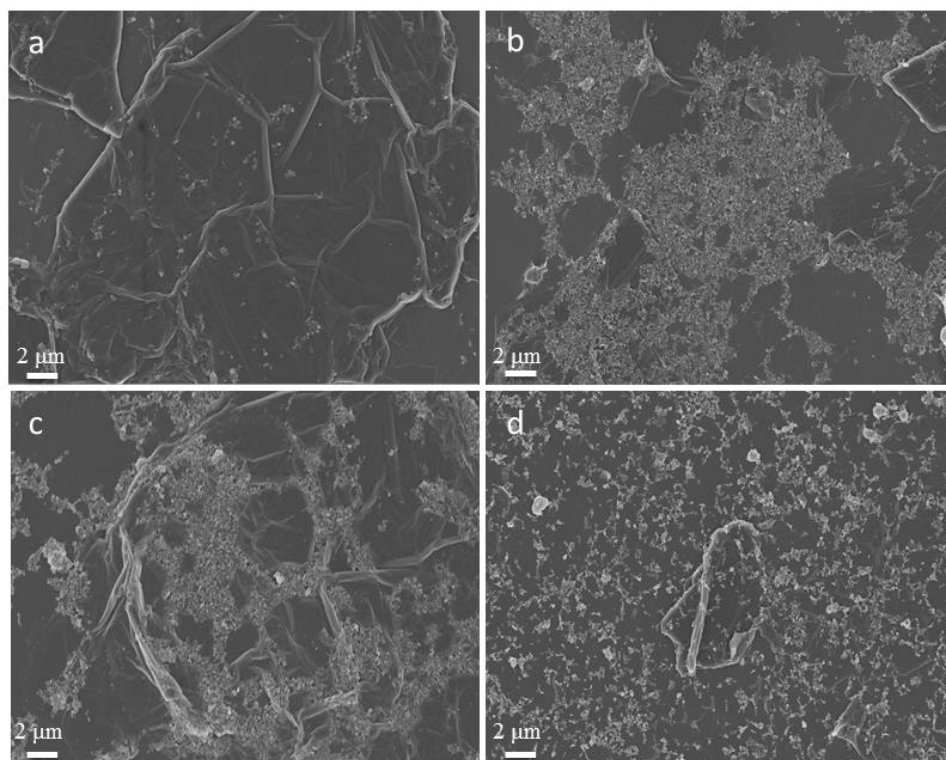


Figure S2. SEM images of GO-MoSe₂ with different ratios: (a) 8:2; (b) 6:4; (c) 4:6; and (d) 2:8.

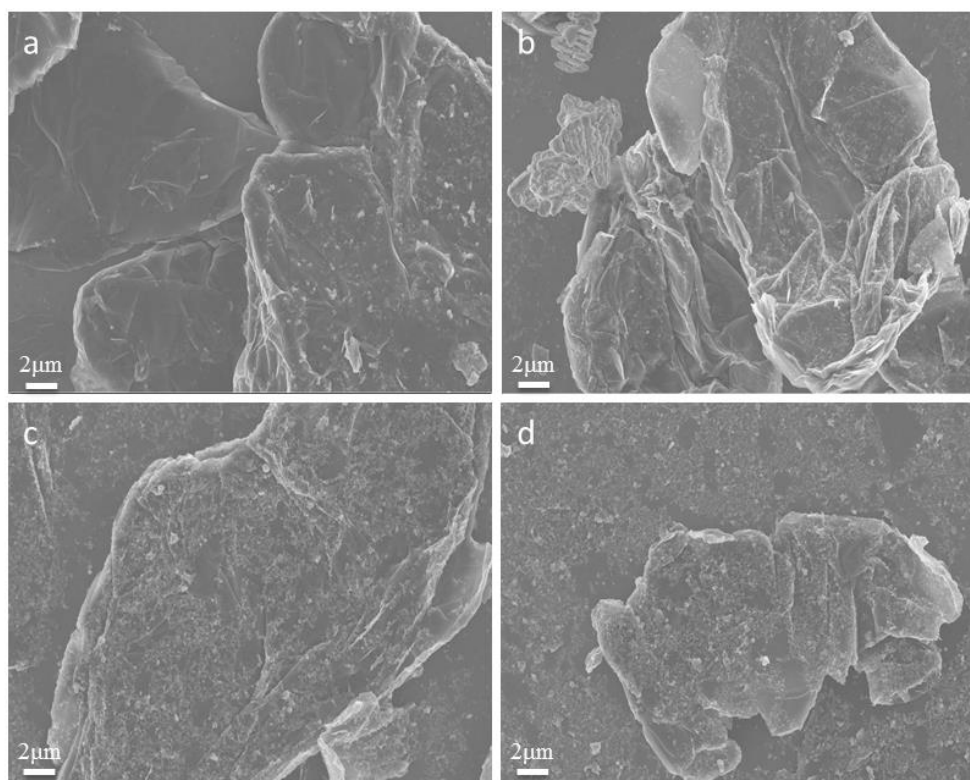


Figure S3. SEM images of rGO-MoSe₂ with different ratios: (a) 8:2; (b) 6:4; (c) 4:6; and (d) 2:8.

Table S1. Comparison of the hydrogen evolution reaction (HER) performance between previous works and our work.

Electrocatalyst	Synthesis Method	Tafel Slop (mV/dec)	Ref.
MoSe ₂ /RGO hybrid	hydrothermal	69	[1]
MoSe ₂ /carbon fiber	hydrothermal	70	[2]
MoSe ₂ /CoSe ₂	hydrothermal	73	[3]
CNT@MoSe ₂	Solvothermal	58	[4]
MoSe ₂	Colloid method	102	[5]
S-doped MoSe ₂	Colloid method	60	[5]
Mo-rich MoSe ₂	Colloid method	98	[6]
MoSe ₂ /graphene	Colloid method	67	[7]
MoSe ₂	Colloid method	89	[8]
MoSe ₂	Colloid method	80	This work
MoSe ₂ /GO	Colloid method	57	This work
MoSe ₂ /rGO	Colloid method	67	This work

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