



Supporting Information

Improved Photoelectrochemical Performance of MoS₂ through Morphology-Controlled Chemical Vapor Deposition Growth on Graphene

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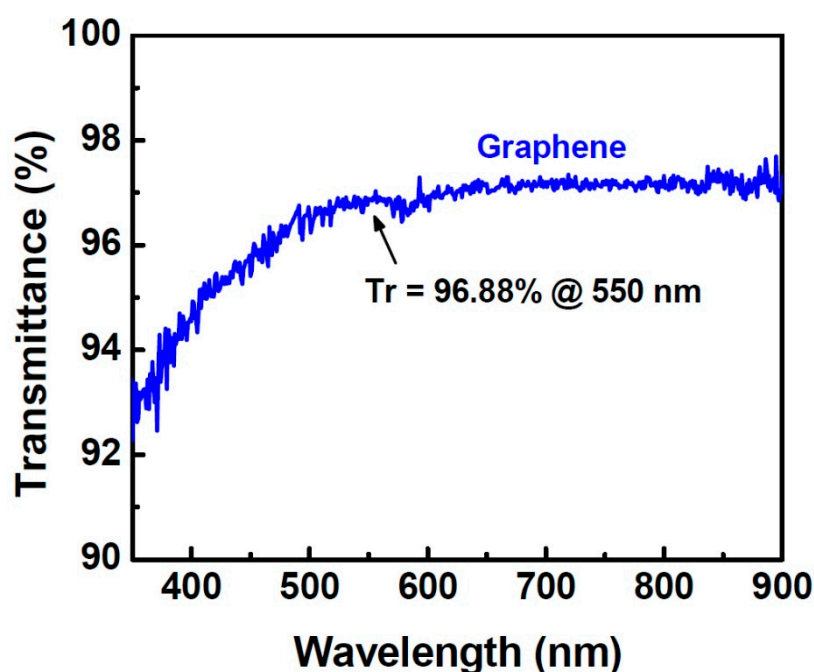


Figure S1. UV-Vis absorption spectrum of pristine graphene, exhibiting a light transmittance of 96.88 % at 550 nm.

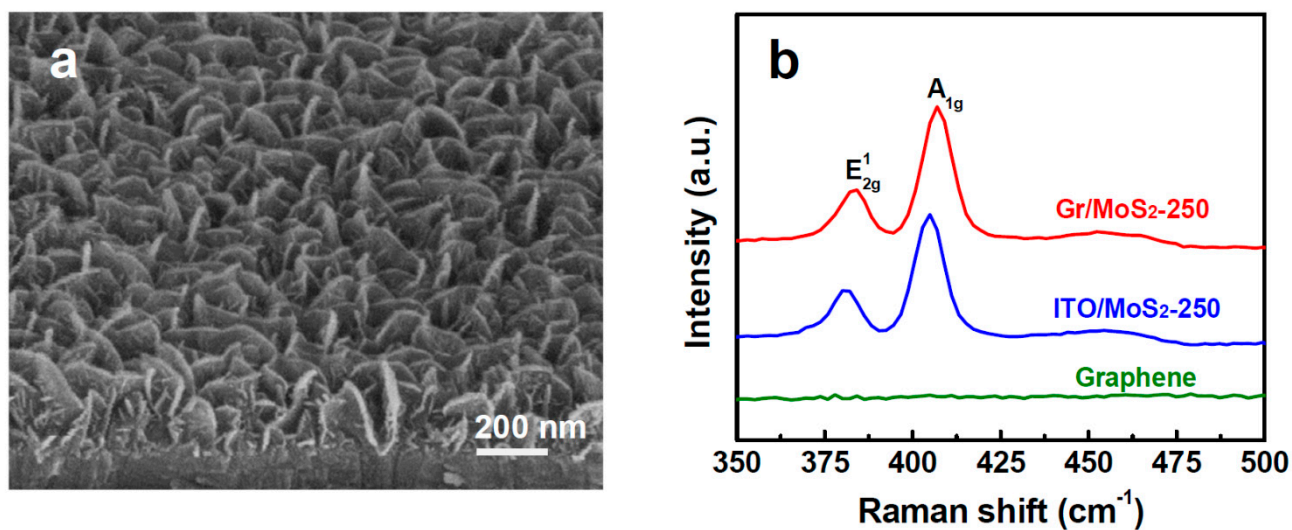


Figure S2. (a) SEM image of few-layer MoS₂ nanosheets grown on ITO (ITO/MoS₂-250). (b) Raman spectra of ITO/MoS₂-250, G/MoS₂-250, and pristine graphene.

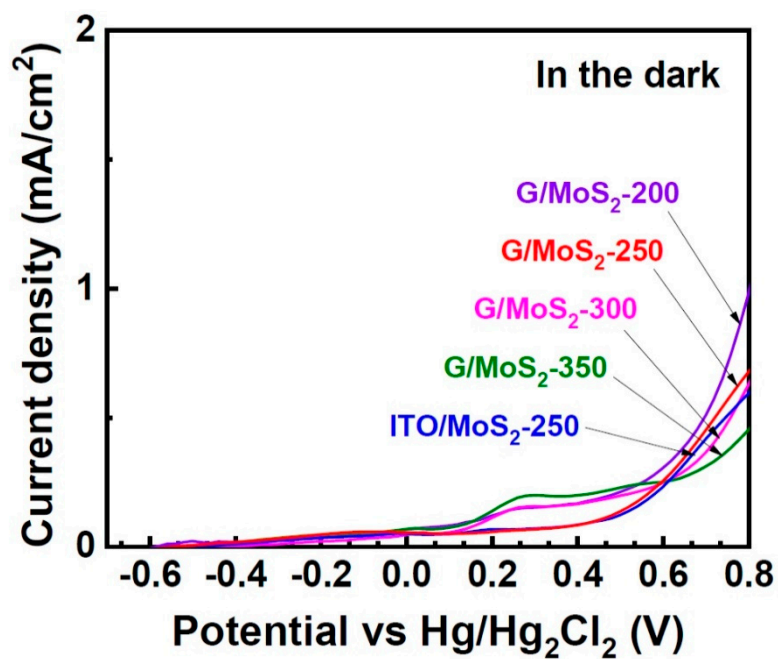


Figure S3. Dark current density–potential curves of PEC cells with various working electrodes (ITO/MoS₂-250, G/MoS₂-200, G/MoS₂-250, G/MoS₂-300, and G/MoS₂-350).