

Supporting Information

**Rational engineering of 1D NiMoO₄/0D CdS heterostructure for
efficient photocatalytic hydrogen generation under visible light**

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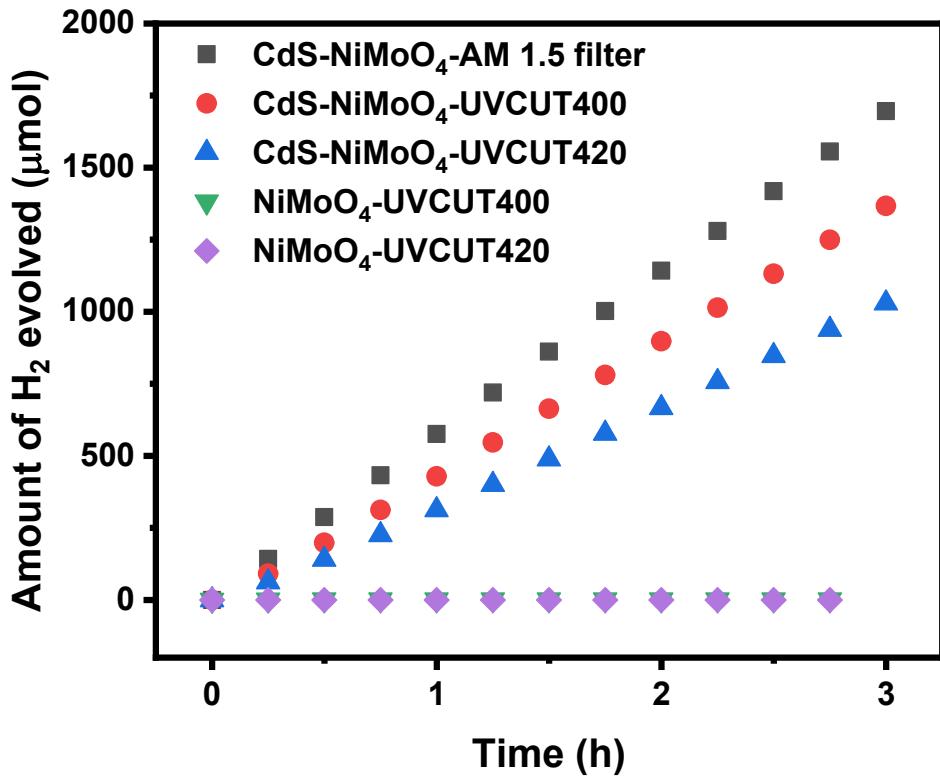


Fig. S1. Time course of H₂ evolution over CdS-NiMoO₄ and NiMoO₄ composites using different Xe filters of AM 1.4, UVCUT400, and UVCUT420. (Reaction conditions: 100 mg of sample, pH~12.6, and reaction time is 3h)

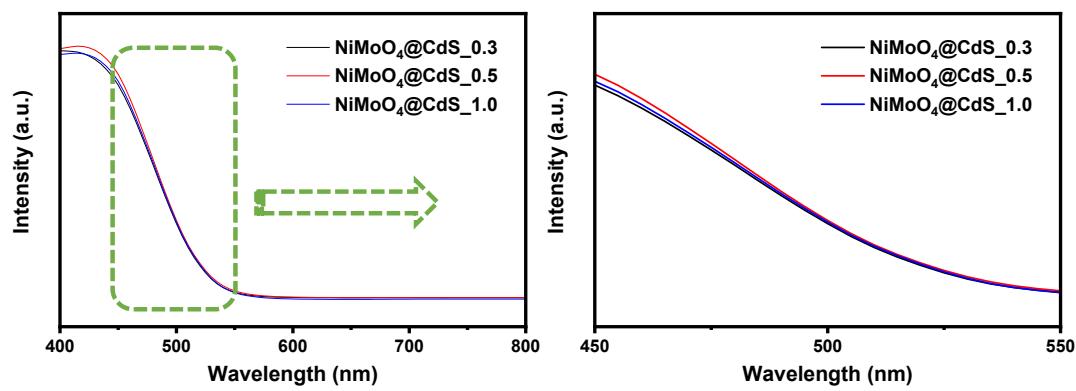


Fig. S2. UV-vis DRS of $\text{NiMoO}_4\text{@CdS}_X$, where X referred to the mass percent of NiMoO_4 in the composite.

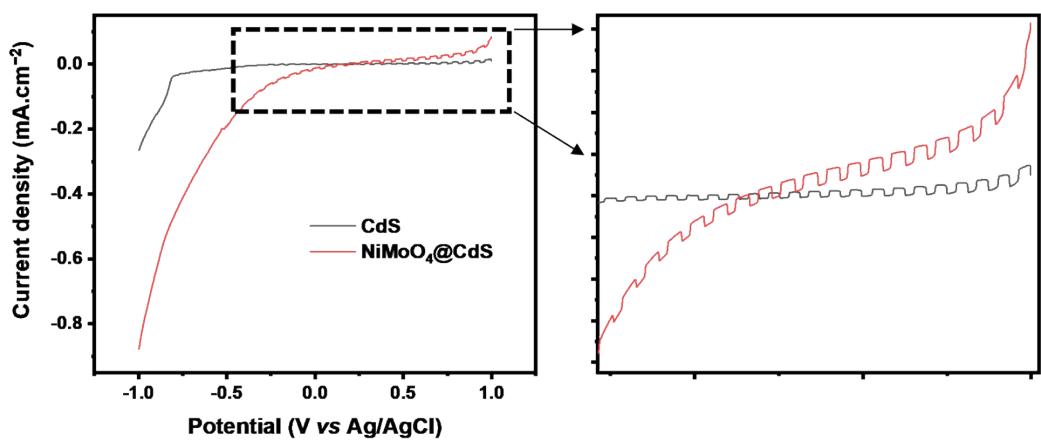


Fig. S3. Photocurrent responses of CdS, and $\text{NiMoO}_4@\text{CdS}$ electrodes by using LSV.

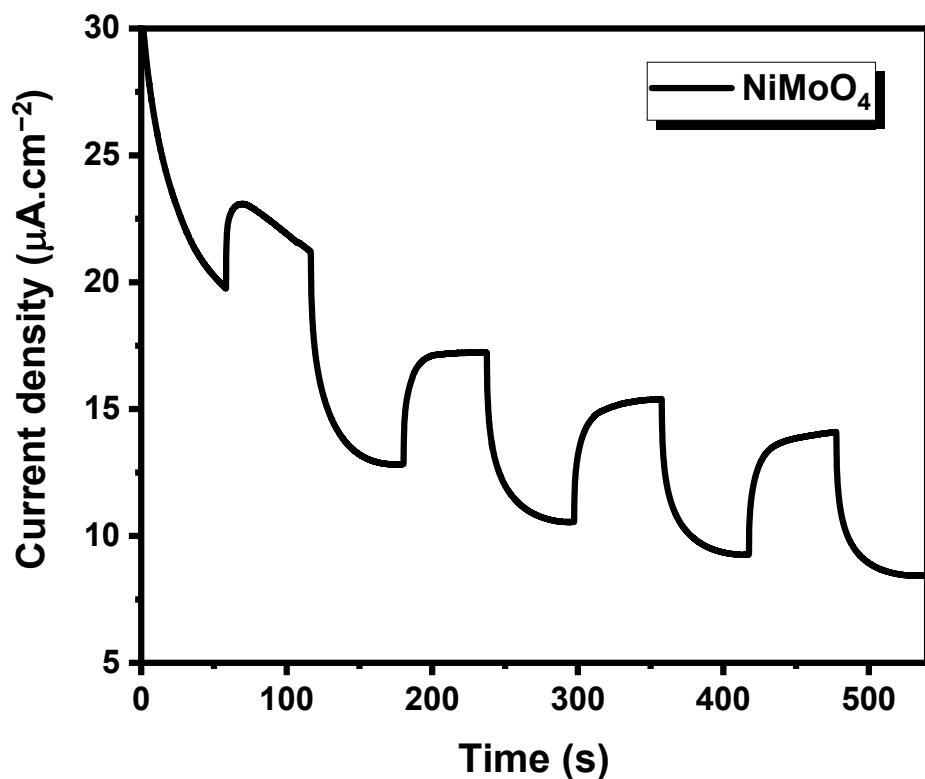


Fig. S4. Photocurrent response of NiMoO_4 photoelectrode by using CAM.