

One-Step Synthesis of MoS₂/TiSi₂ via an In Situ Photo-Assisted Reduction Method for Enhanced Photocatalytic H₂ Evolution under Simulated Sunlight Illumination

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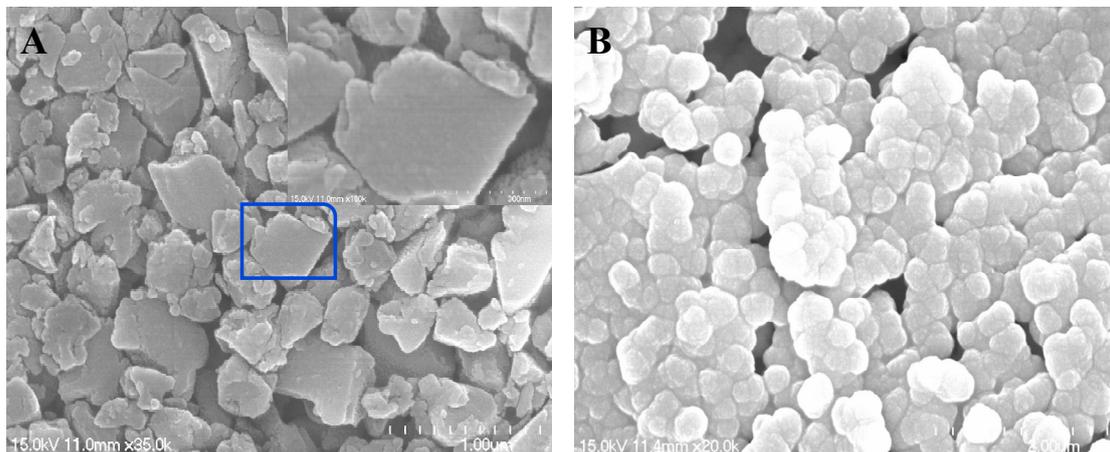


Figure S1. Morphology characterization of (A) TiSi₂ and (B) MoS₂ using SEM.

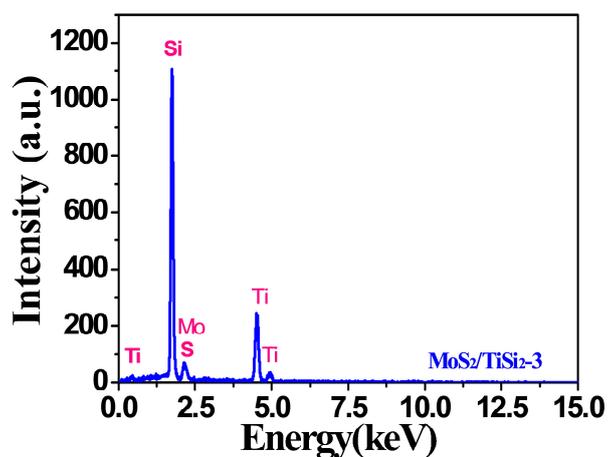


Figure S2. EDX results of MoS₂/TiSi₂-3.

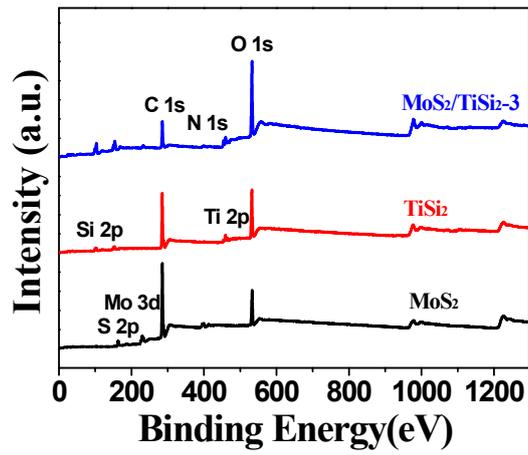


Figure S3. A full-scan X-ray photoelectron spectra (XPS) of the samples.

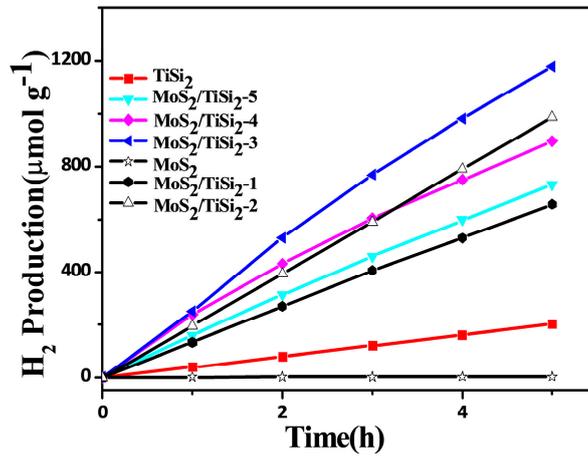
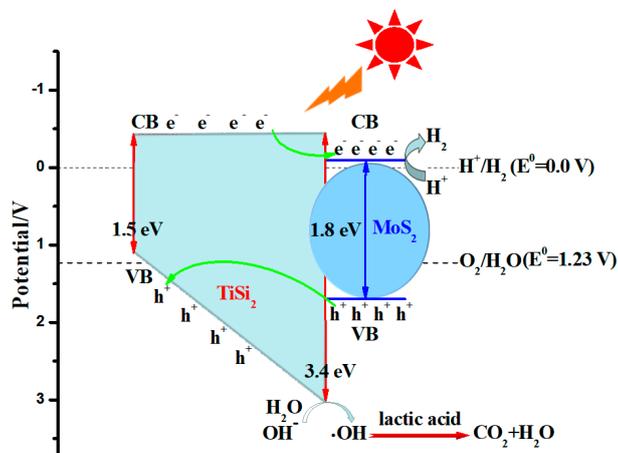


Figure S4. The amount of H₂ evolved over the samples.



Scheme S1. Schematic illustration of the catalytic mechanism.