

Construction of $\text{CuInS}_2/\text{La}_2\text{Ti}_2\text{O}_7$ heterojunction for highly efficient hydrogen evolution

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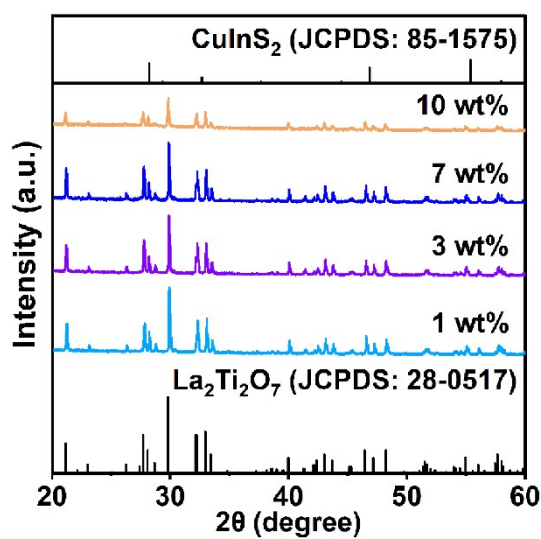


Fig. S1 XRD patterns of composites with different loading amount.

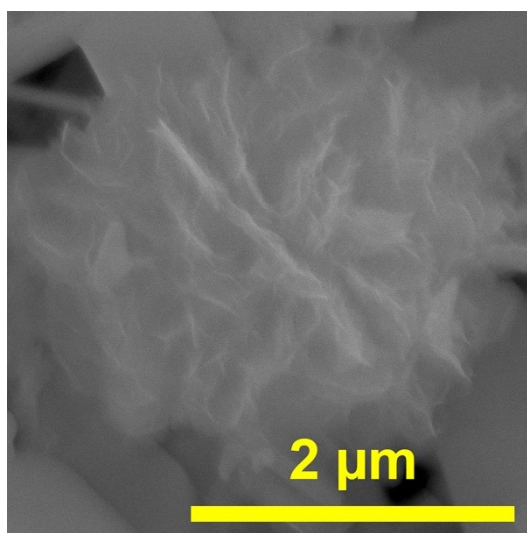


Fig. S2 SEM image of composite (10 wt% $\text{CuInS}_2/\text{La}_2\text{Ti}_2\text{O}_7$).

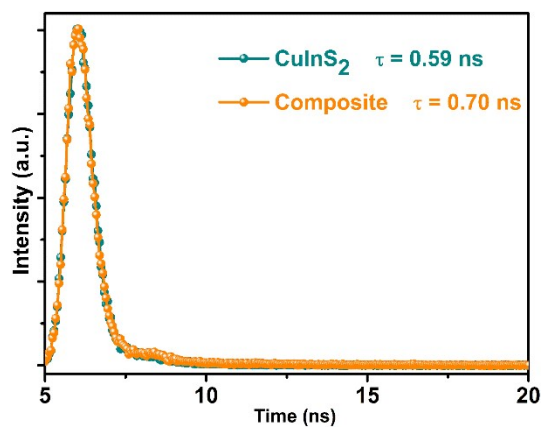


Fig. S3 Time-resolved photoluminescence (TRPL) spectra of CuInS_2 and $\text{CuInS}_2/\text{La}_2\text{Ti}_2\text{O}_7$ composite.

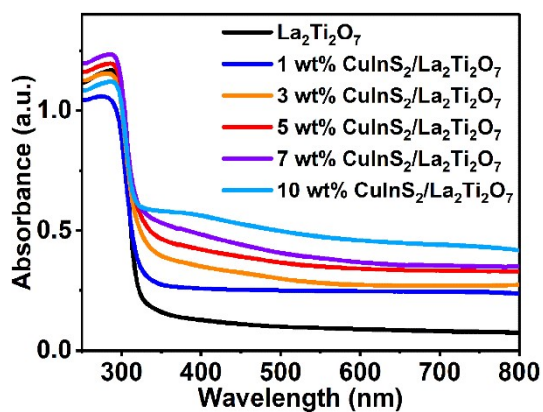


Fig. S4 Absorption spectra of composites with different loading amount.

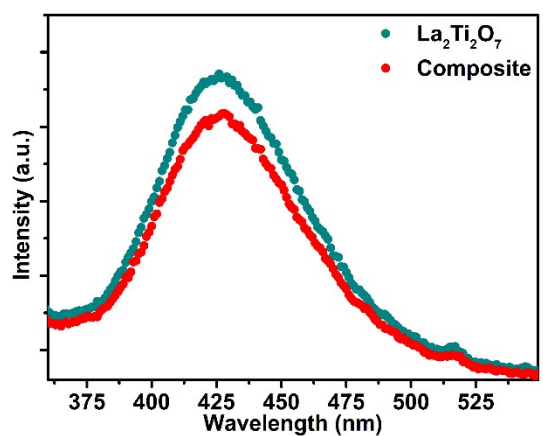


Fig. S5 PL spectra of 5×10^{-4} M basic TA solutions with different photocatalysts ($\text{La}_2\text{Ti}_2\text{O}_7$ and 5 wt% $\text{CuInS}_2/\text{La}_2\text{Ti}_2\text{O}_7$), after irradiating with a Xenon lamp for 5 min (excitation at $\lambda = 315$ nm).