

Supporting Information

A Noble-metal-free $\text{Ni}_{12}\text{P}_5/\text{g-C}_3\text{N}_4$ composites for efficient photocatalytic hydrogen evolution under visible-light irradiation

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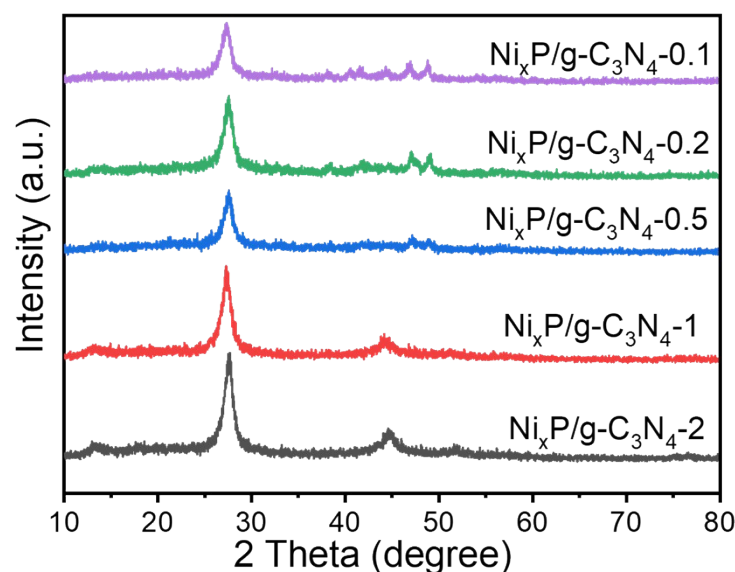


Figure S1 XRD spectra of samples under different ratios.

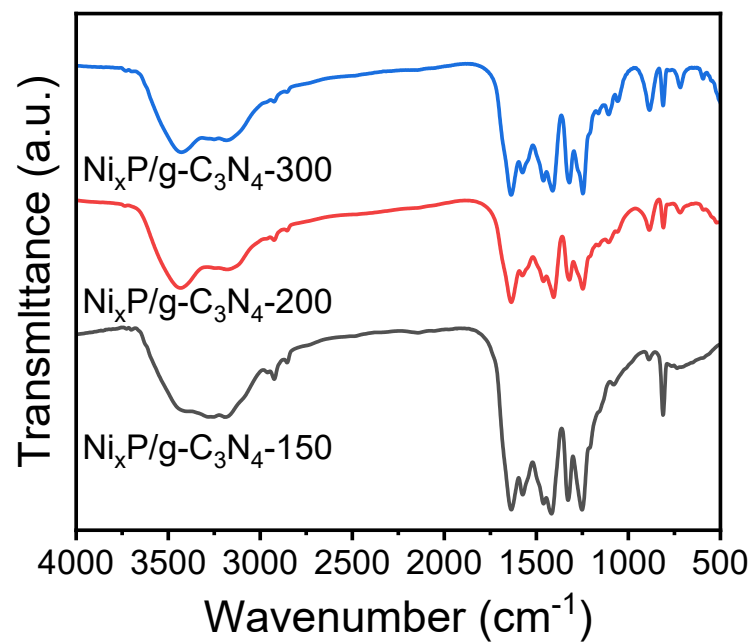


Figure S2 FT-IR spectra of samples under different phosphating conditions.

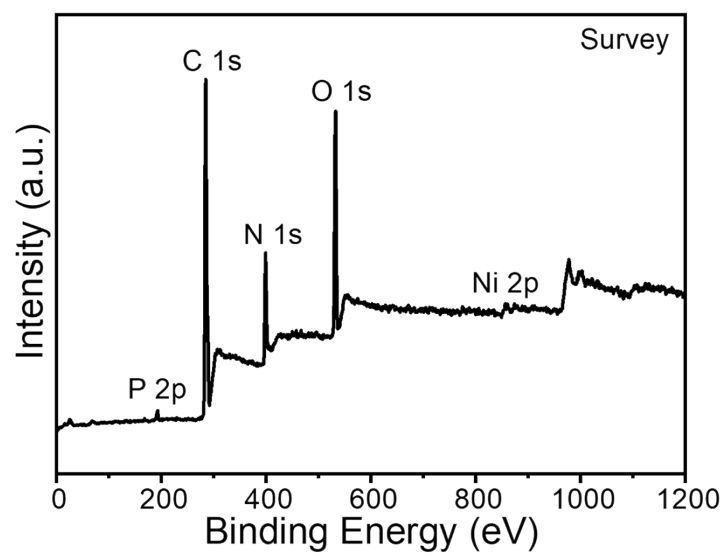


Figure S3 XPS survey spectra of $\text{Ni}_{12}\text{P}_5/\text{g-C}_3\text{N}_4$.

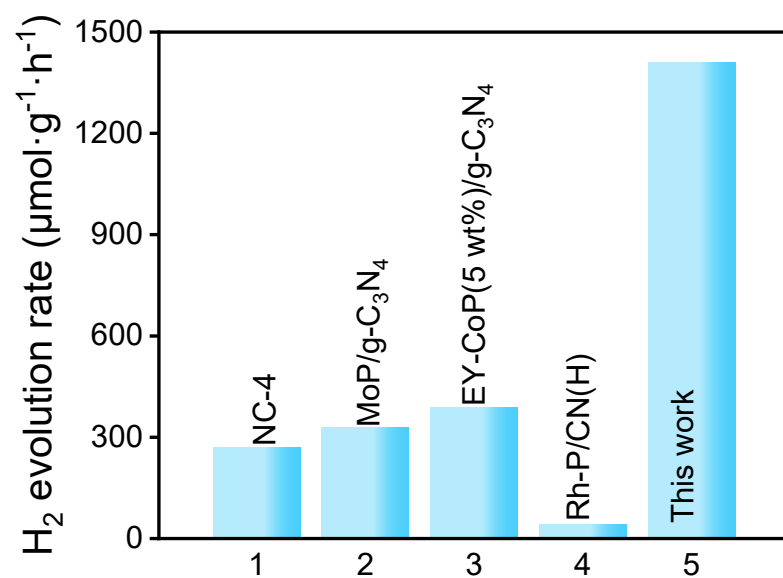


Figure S4 Comparison chart of hydrogen production rate.

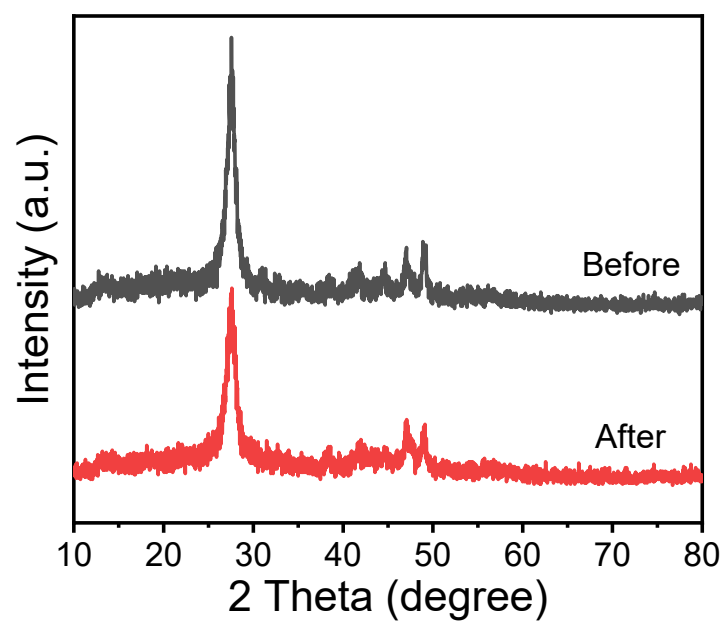


Figure S5 XRD patterns of the catalyst before and after the reaction.

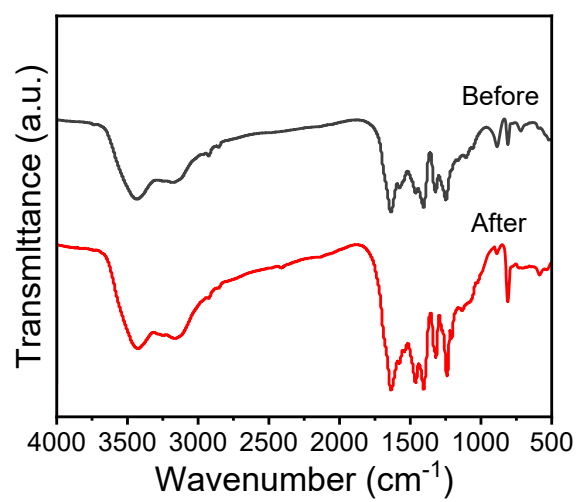


Figure S6 FT-IR patterns of the sample before and after the reaction.