

Supporting Information

Conversion of CO₂ into Renewable Fuel over Pt-g-C₃N₄/KNbO₃ composite photocatalyst

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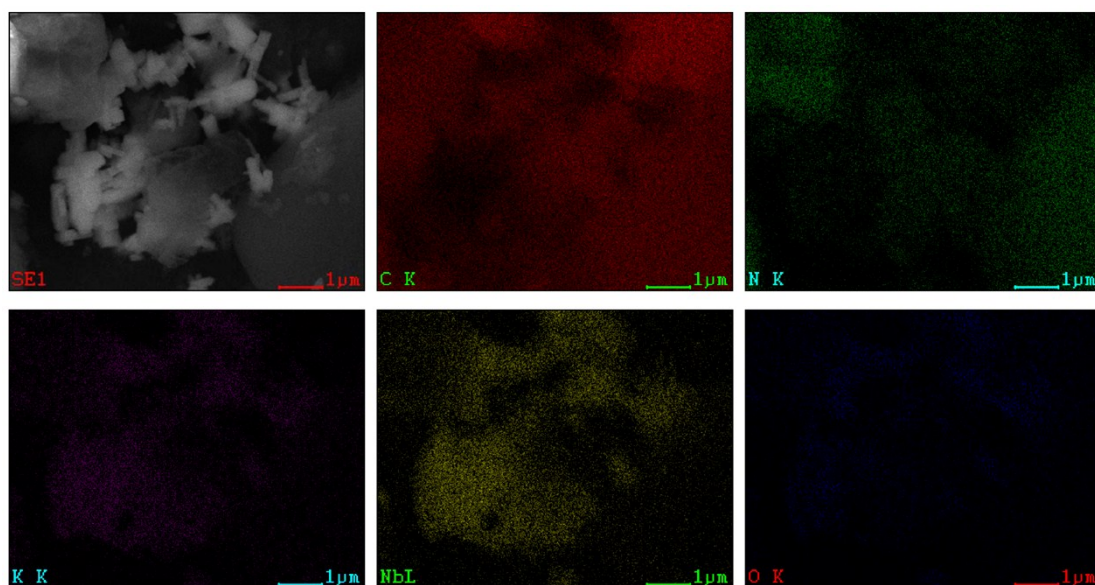


Fig. S1 Typical SEM image and the corresponding energy dispersive spectra (EDS) mapping of g-C₃N₄/KNbO₃ composite.

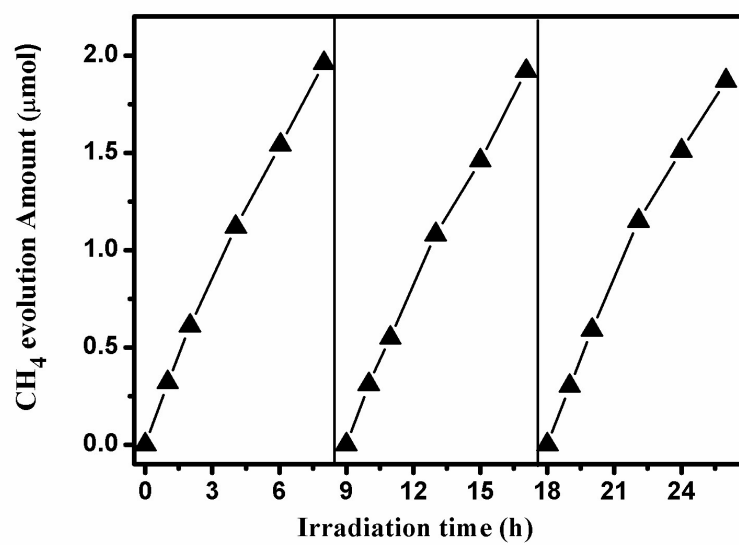


Fig. S2 Photocatalytic CH₄ evolution amount over Pt loaded g-C₃N₄/KNbO₃ composite under visible light irradiation.

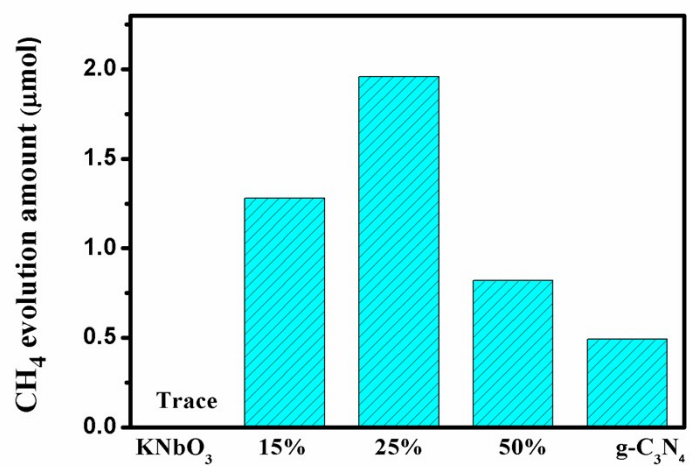


Fig. S3 Comparison of CH₄ evolution amount of pt-loaded g-C₃N₄/KNbO₃ samples with the different KNbO₃ mass percentage after 8 hour irradiation.

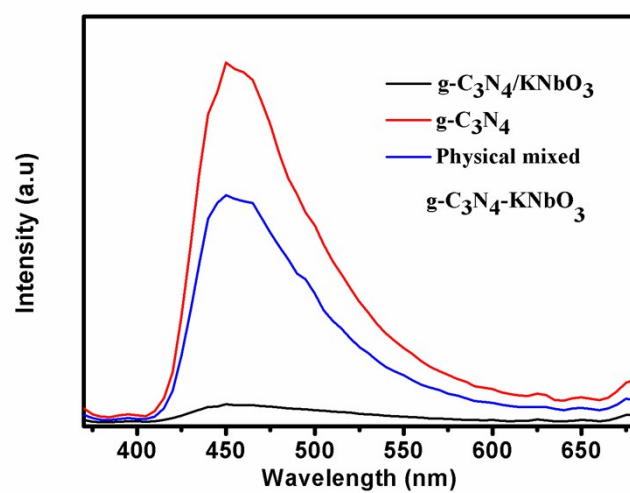


Fig. S4 Photoluminescence (PL) spectra of $g\text{-C}_3\text{N}_4$, physical mixed $g\text{-C}_3\text{N}_4\text{-KNbO}_3$, and $g\text{-C}_3\text{N}_4/\text{KNbO}_3$ composite.