

Supporting information to

**Fabrication of TiO₂ on Porous g-C₃N₄ by ALD for Improved
Solar-driven Hydrogen Evolution**

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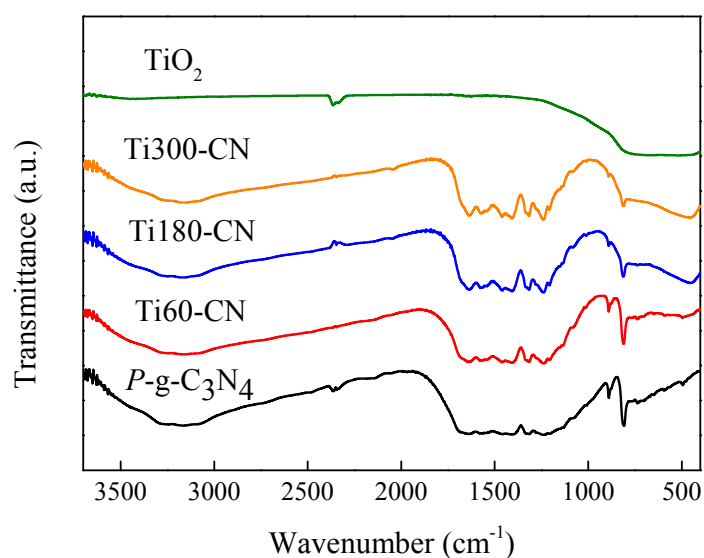


Fig. S1 FTIR spectra of *P*-g-C₃N₄, TiO₂, and TiO₂@*P*-g-C₃N₄ composites.

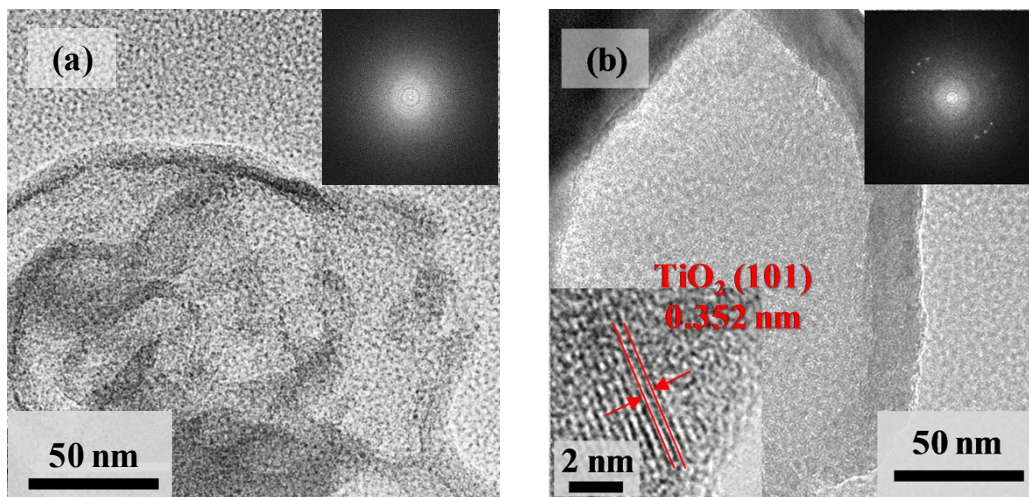


Fig. S2 HRTEM images and SAED patterns for (a) *P*-g-C₃N₄ and (b) Ti180-CN. The inset in (b) shows the lattice image of TiO₂ (101).

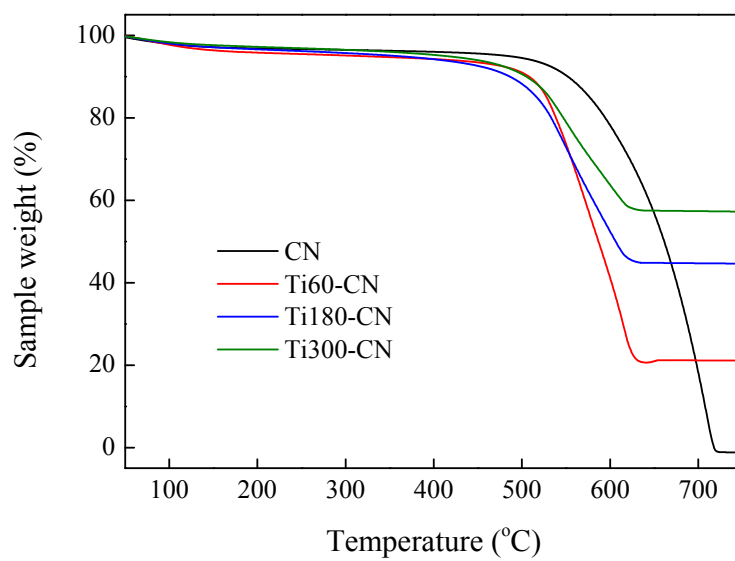


Fig. S3 TGA curves of the samples.

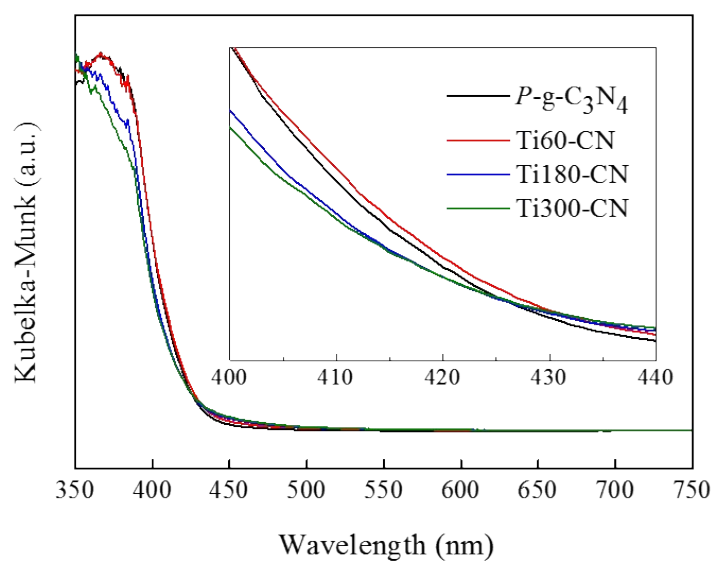


Fig. S4 UV-vis diffuse reflectance spectra of the samples. The inset shows the magnified absorption edges.

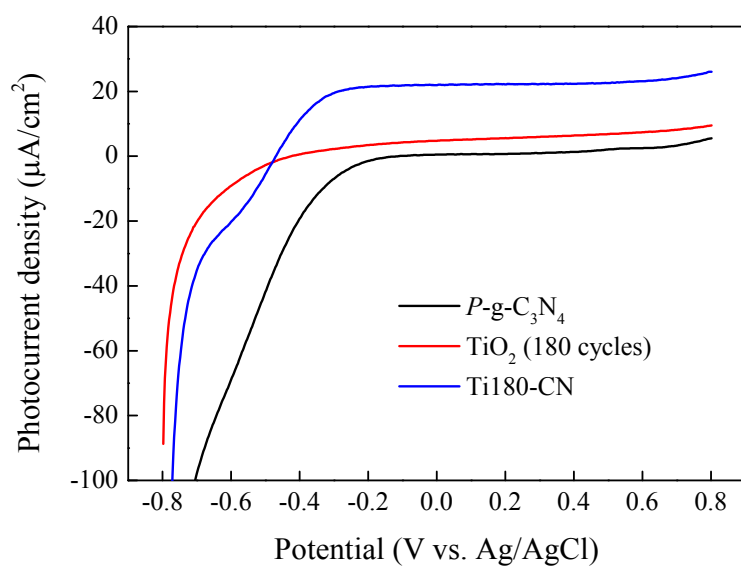


Fig. S5 Photocurrent density curves for $P\text{-g-C}_3\text{N}_4$, TiO_2 , and Ti180-CN in a 0.5 M Na_2SO_4 aqueous solution under 150 W Xe lamp illumination with a solar filter.