

Supporting Information

Au/Pt co-loaded ultrathin TiO₂ nanosheets for photocatalyzed H₂ evolution by synergistic effect of plasmonic enhancement and co-catalysis

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Additional Figures and Figure captions

Figure S1

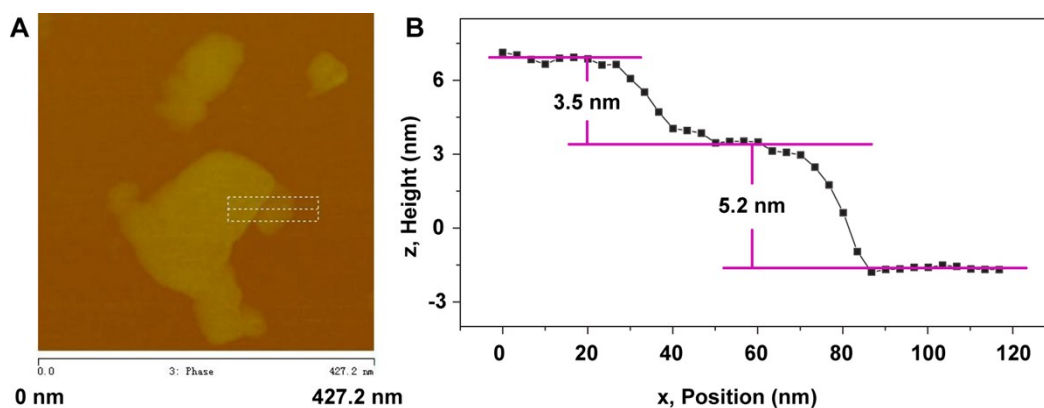


Figure S1: Atomic Force Microscopy (AFM) image of TiO₂ nanosheets (A) and the height profile in the selective region (B).

Figure S2

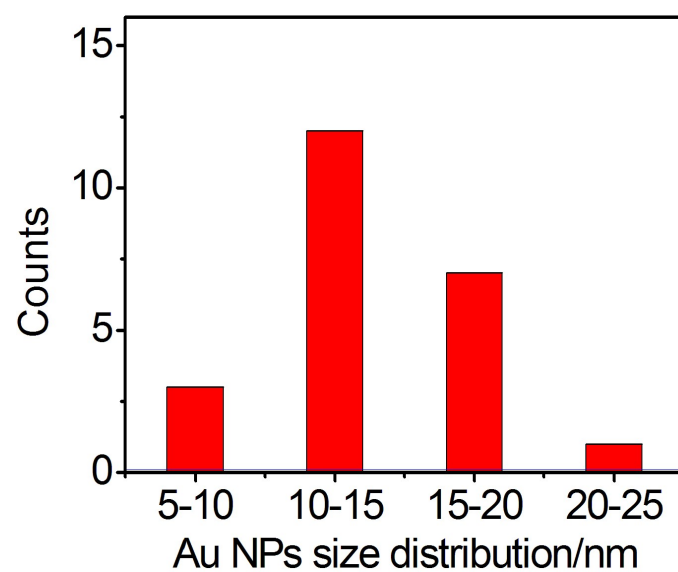


Figure S2: Statistics of Au nanoparticles' size distribution of Au-Pt co-loaded TiO_2 nanosheets (NS5) estimated from the TEM image.

Figure S3

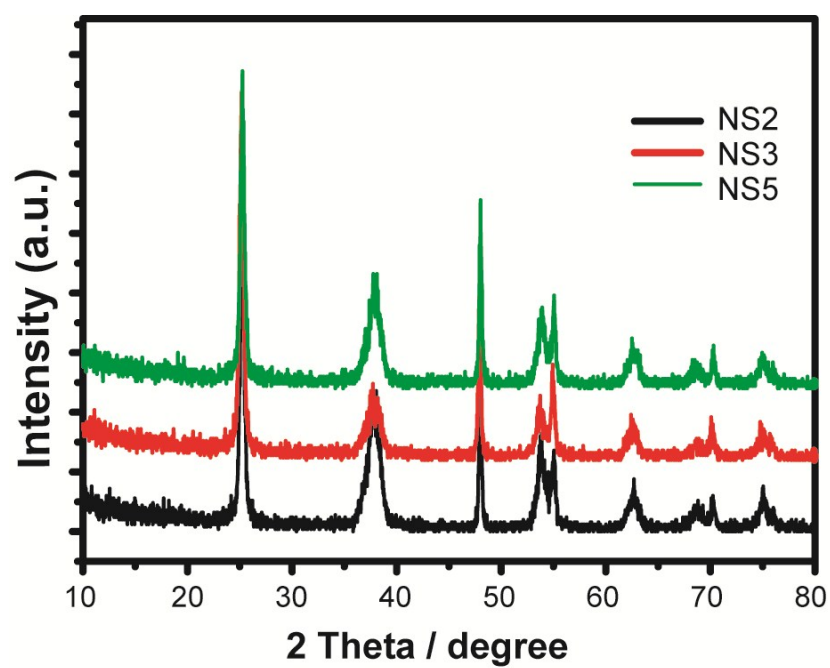


Figure S3: XRD patterns of NS2, NS3 and NS5.

Figure S4

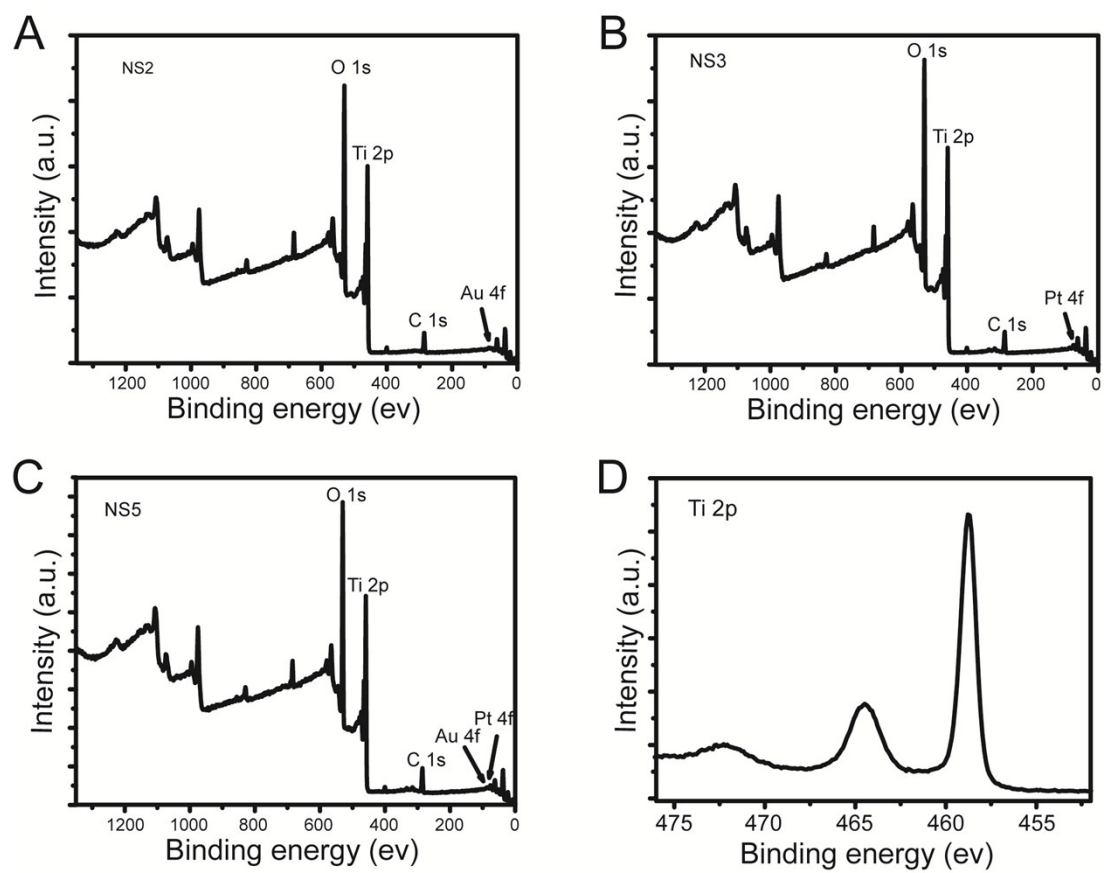


Figure S4: The XPS spectra of NS2 full spectrum (A), NS3 full spectrum (B), NS5 full spectrum (C) and Ti 2p of NS5 (D).

Figure S5

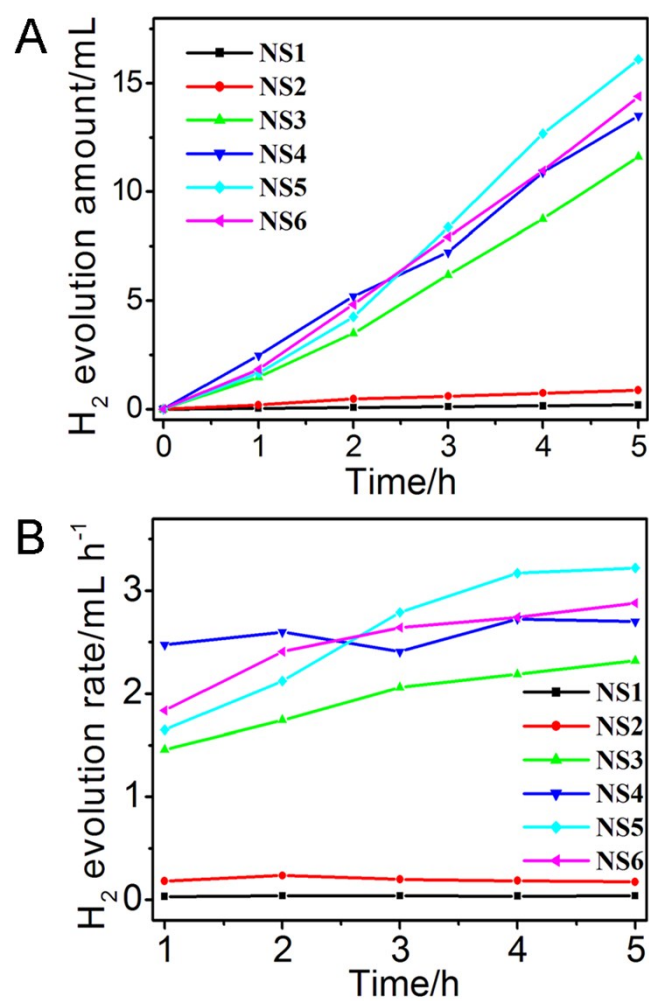


Figure S5: H₂ yield (A) and rate (B) plots versus time of six samples.

Figure S6

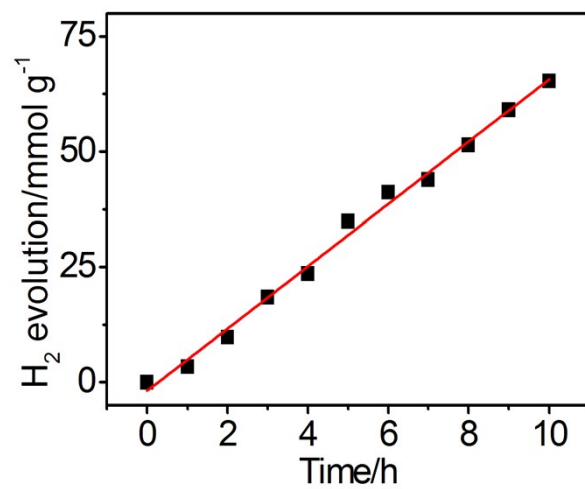


Figure S6: H₂ yield plot versus time of NS5 with irradiation time prolonged to 10 h.