

Supporting information

Construction of novel 1D nickel phosphonate nanorods modified 2D g-C₃N₄ nanosheets for enhanced photocatalytic hydrogen evolution performance

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1. Supplementary figures

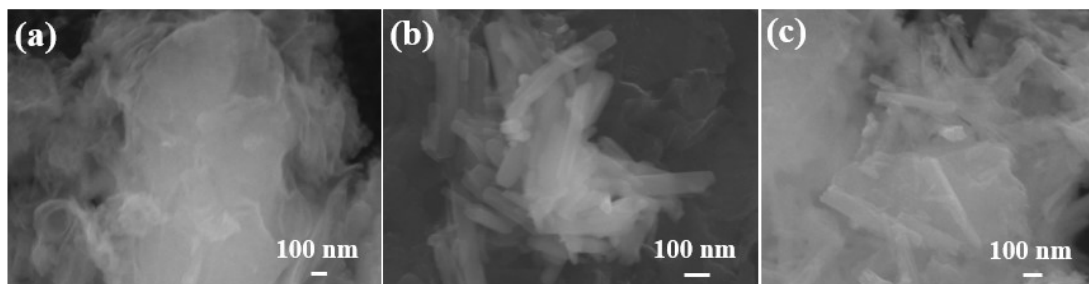


Figure S1. SEM images of (a) CN, (b) NiPPh and (c) CN/NiPPh-1.

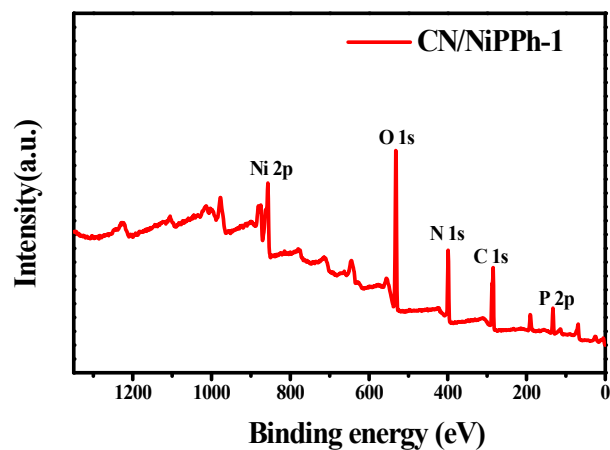


Figure S2. XPS survey spectra for CN/NiPPh-1.

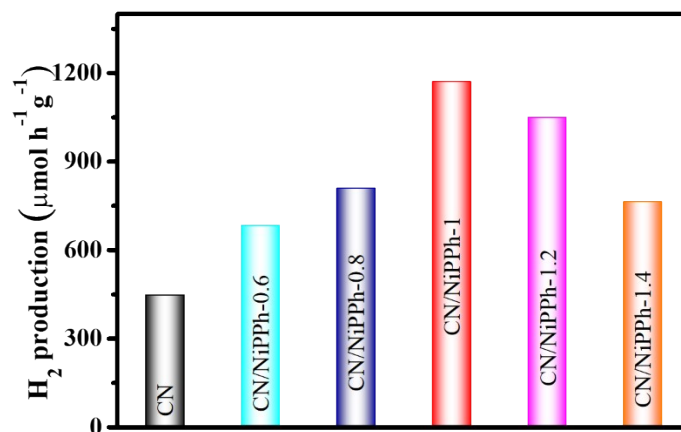


Figure S3. H₂ production rate of CN and CN/NiPPh-x with Pt co-catalyst.

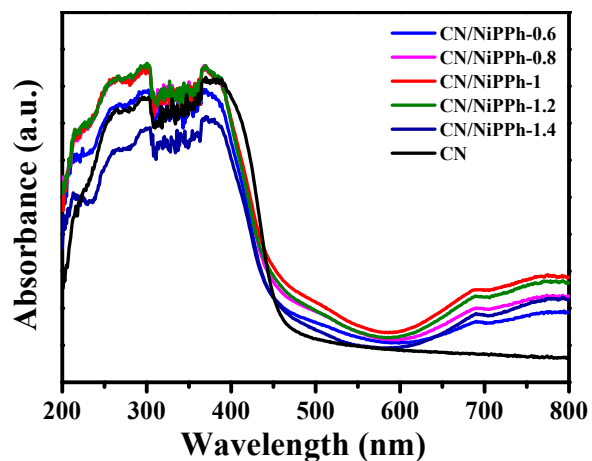


Figure S4. UV-vis diffuse reflectance spectra of CN and CN/NiPPh-*x* composites.

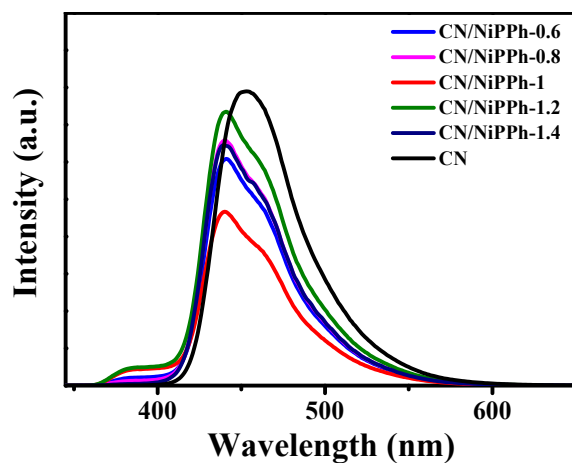


Figure S5. PL spectra of CN and CN/NiPPh -*x* composites.

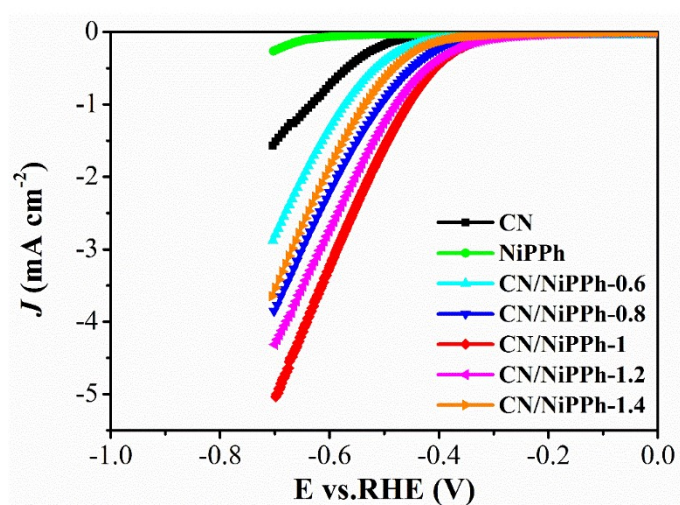


Figure S6. Polarization curves of CN, NiPPh, and CN/NiPPh-*x* composites.