

Support Information

The Z-scheme of 2D Structured BCN and Ti MOF Heterojunction High-Efficiency Photocatalytic Hydrogen Evolution

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Xiulian Wang ^b

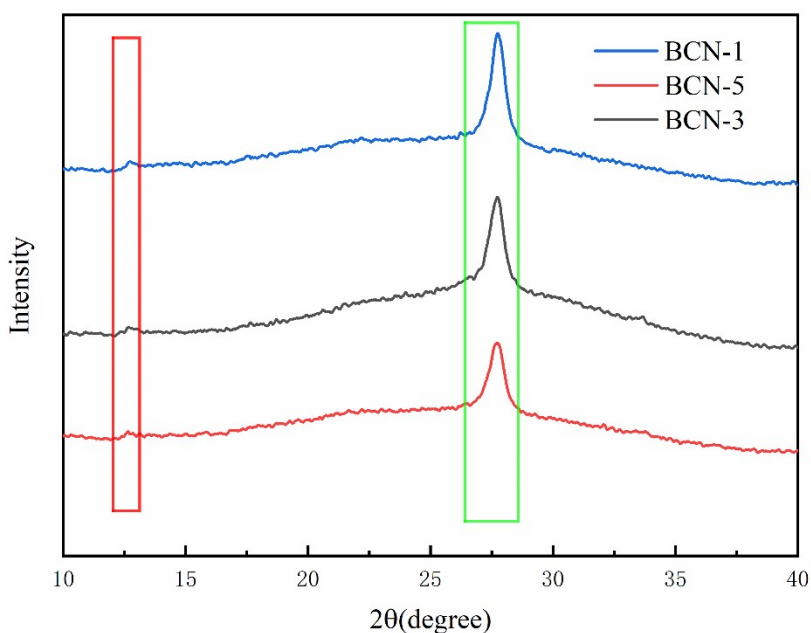


Fig. S1 XRD patterns of BCN-1, BCN-3 and BCN-5

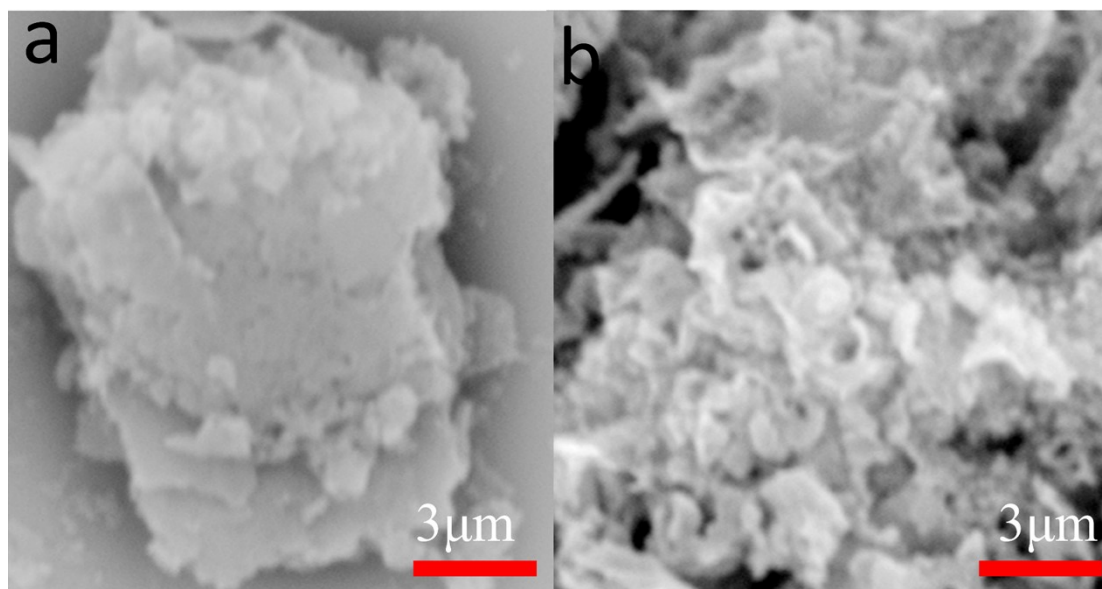


Fig S2 (a) SEM images of GCN and (b) BCN

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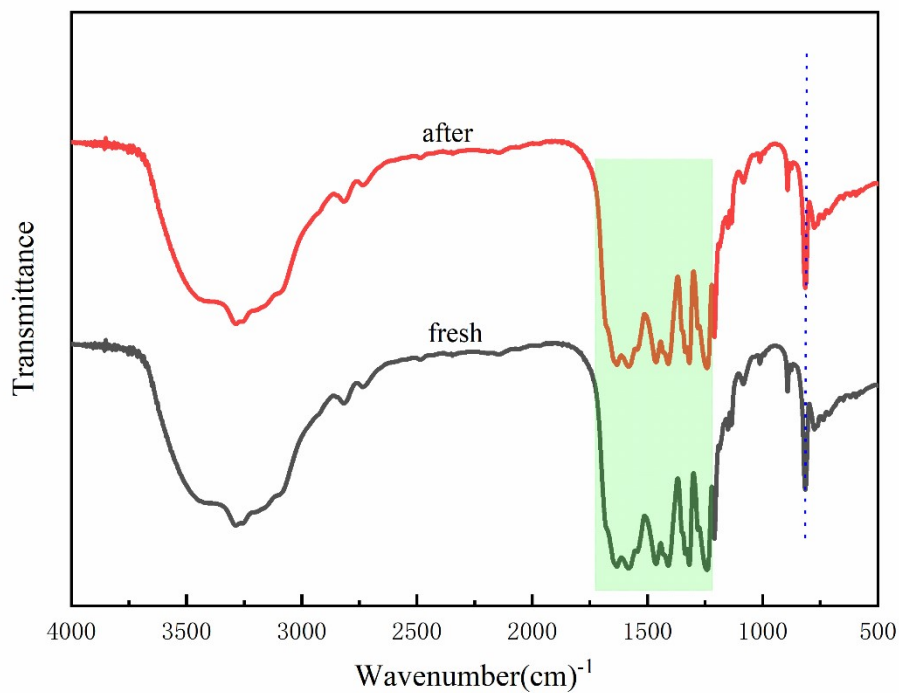


Fig S3 FTIR spectra of TBCN before and after photocatalytic test

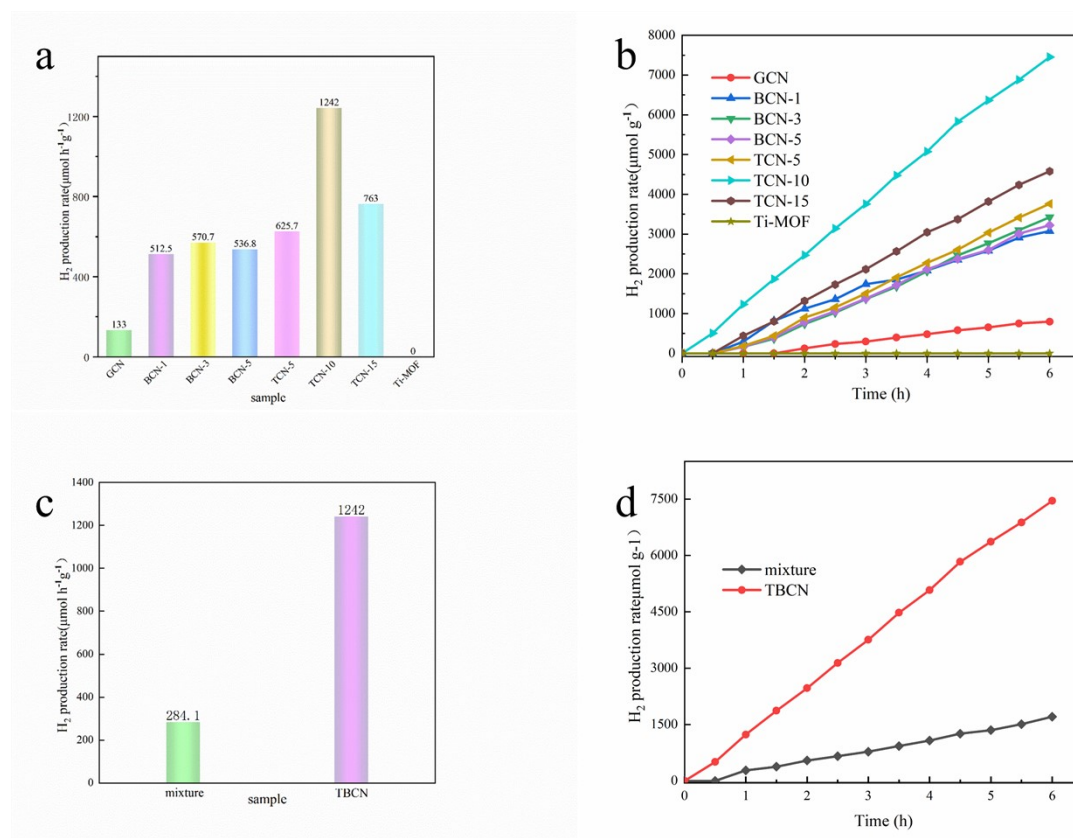


Fig S4 (a) Photocatalytic hydrogen evolution rates for all materials (b) Photocatalytic H₂ production of all materials (c) comparison of hydrogen evolution rates of TBCN and mixture and (d) the amount of hydrogen evolution between TBCN and the mixture.

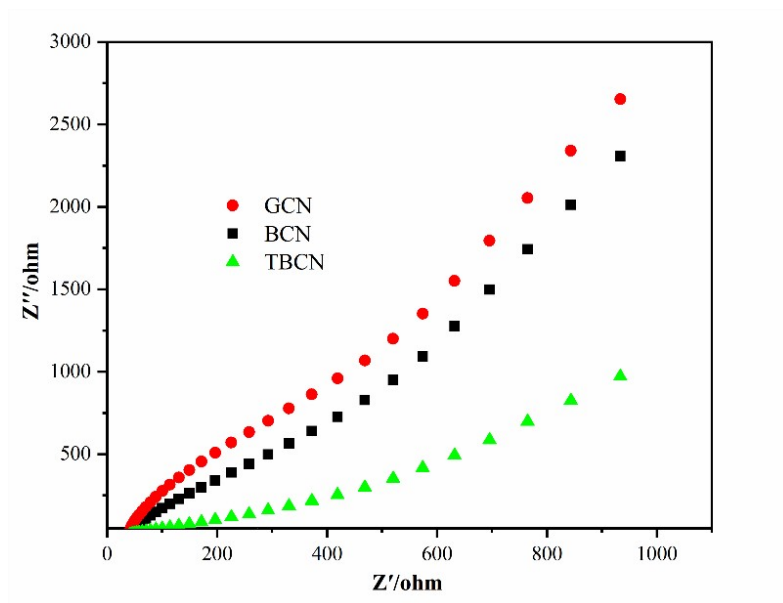


Fig S5 Electrochemical impedance spectroscopy (EIS) of the GCN BCN and TBCN

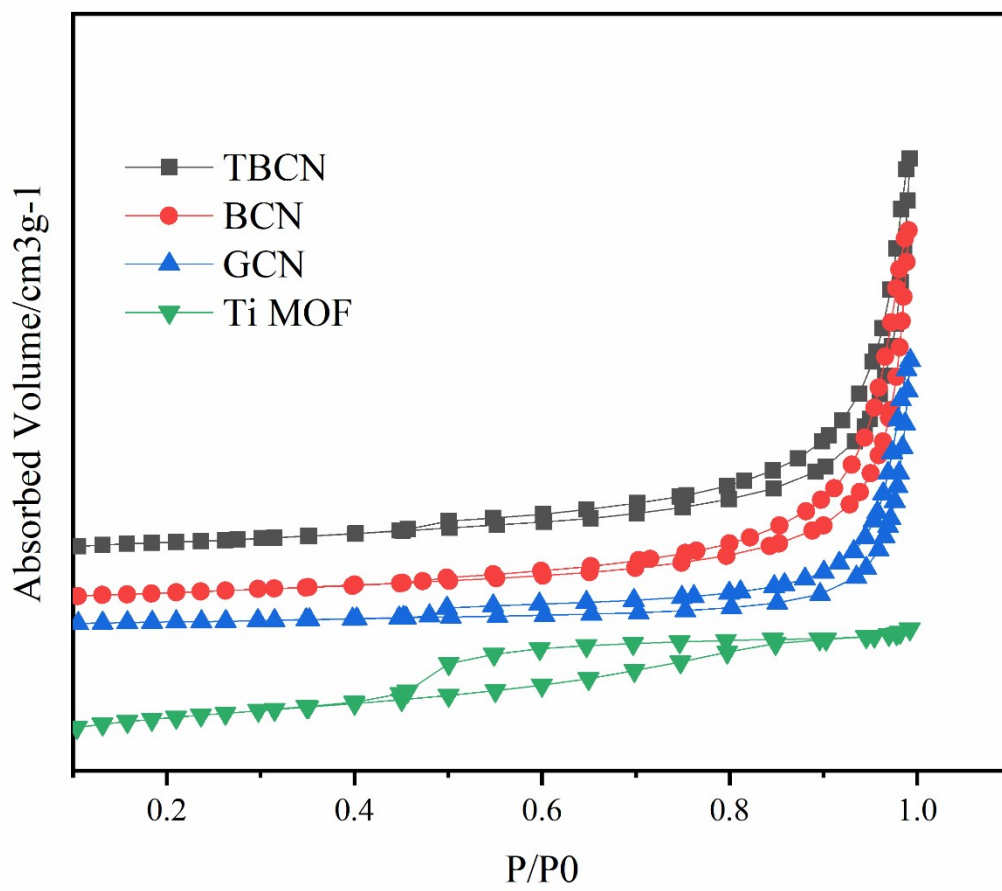


Fig S6 N_2 adsorption-desorption isotherms