

Supporting informations:

Recent progress in the development of carbonate intercalated Zn/Cr LDH as a novel photocatalyst for hydrogen evolution aimed at the utilization of solar light.

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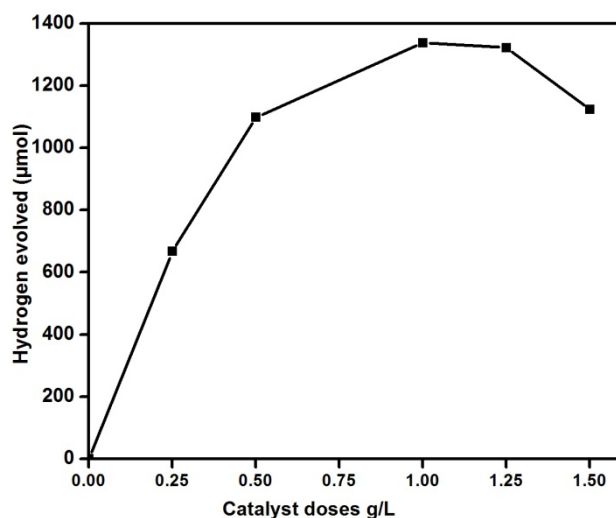


Fig. S1 Hydrogen evolved during the photocatalytic irradiation of suspensions containing different concentrations of Zn/Cr-CO₃ LDH (0.25 g/L to 1.5 g/L).

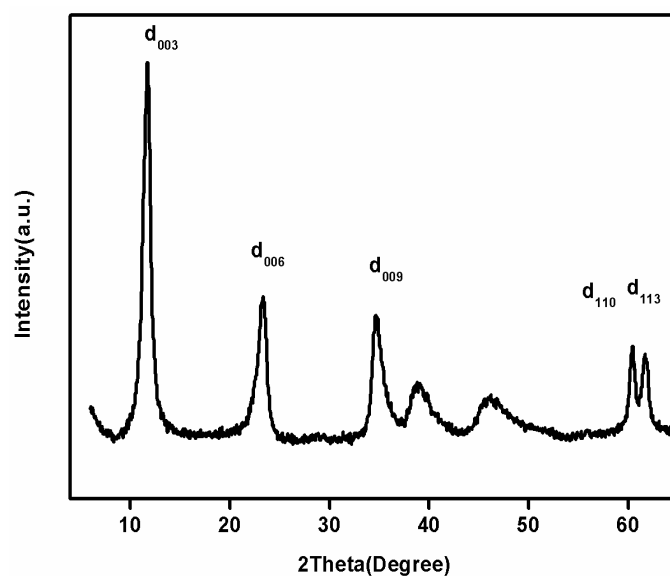


Fig. S2 XRD pattern of recycle HTD material.

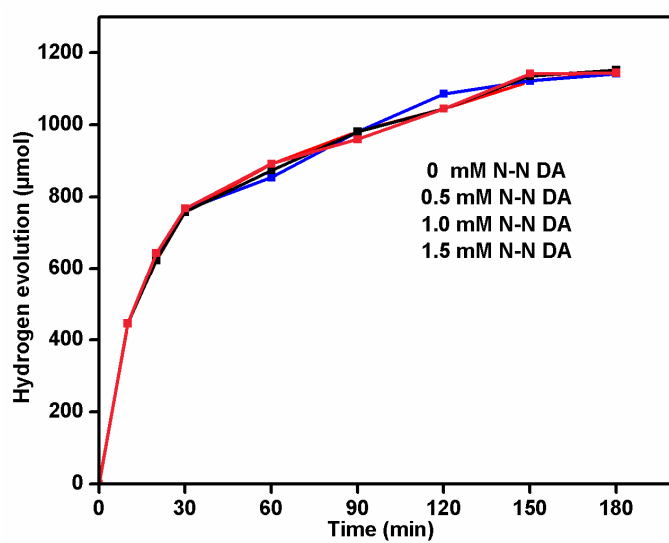


Fig. S3 Photocatalytical hydrogen evolution under visible light irradiation in the presence of different concentration of N-N Dimethylaniline solutions over Zn/Cr LDH.