Supporting information

Cadimium Sulfide/Graphitic Carbon Nitride Heterostructure Nanowires Loading with Nickel Hydroxide Cocatalyst for Highly Efficient Photocatalytic Hydrogen Production in Water under Visible

Light

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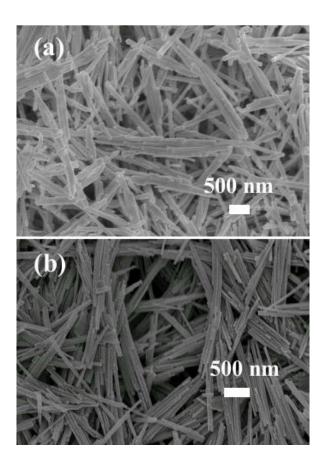


Figure S1. SEM images of (a) CdS/g-C₃N₄, (b) Ni(OH)₂-CdS/g-C₃N₄ (4.76 wt% Ni(OH)₂).

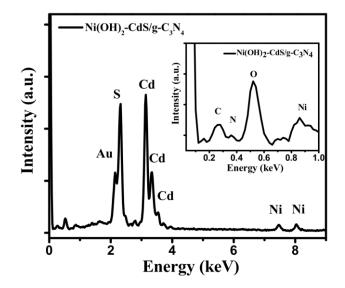


Figure S2. EDX spectra of Ni(OH)₂-CdS/g-C₃N₄ sample.

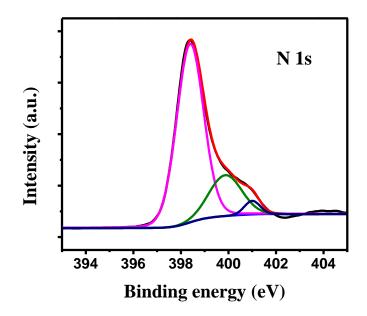


Figure S3. High resolution XPS spectra of N 1s in Ni(OH)₂-CdS/g-C₃N₄ sample.

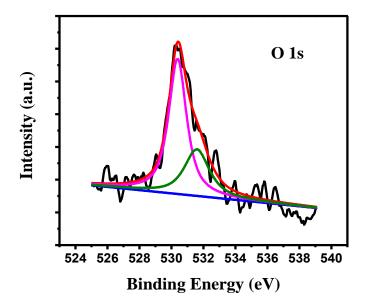


Figure S4. High resolution XPS spectra of O 1s in Ni(OH)₂-CdS/g-C₃N₄ sample.