

Supporting information

Biomolecule-mediated hydrothermal synthesis of polyoxoniobate-CdS nanohybrids with enhanced photocatalytic performance for hydrogen production and RhB degradation

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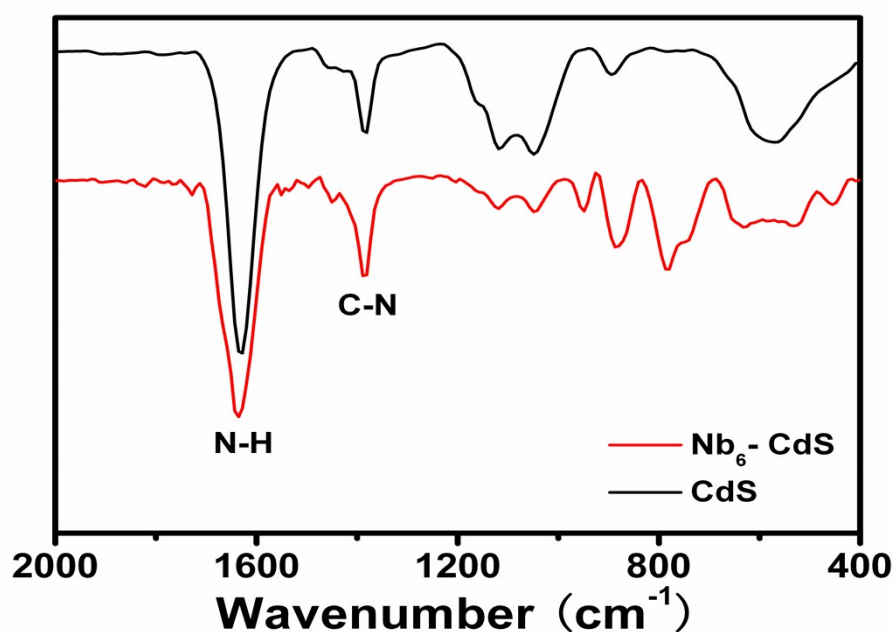


Fig. S1. FT-IR spectra of CdS and Nb₆-CdS nanohybrids.

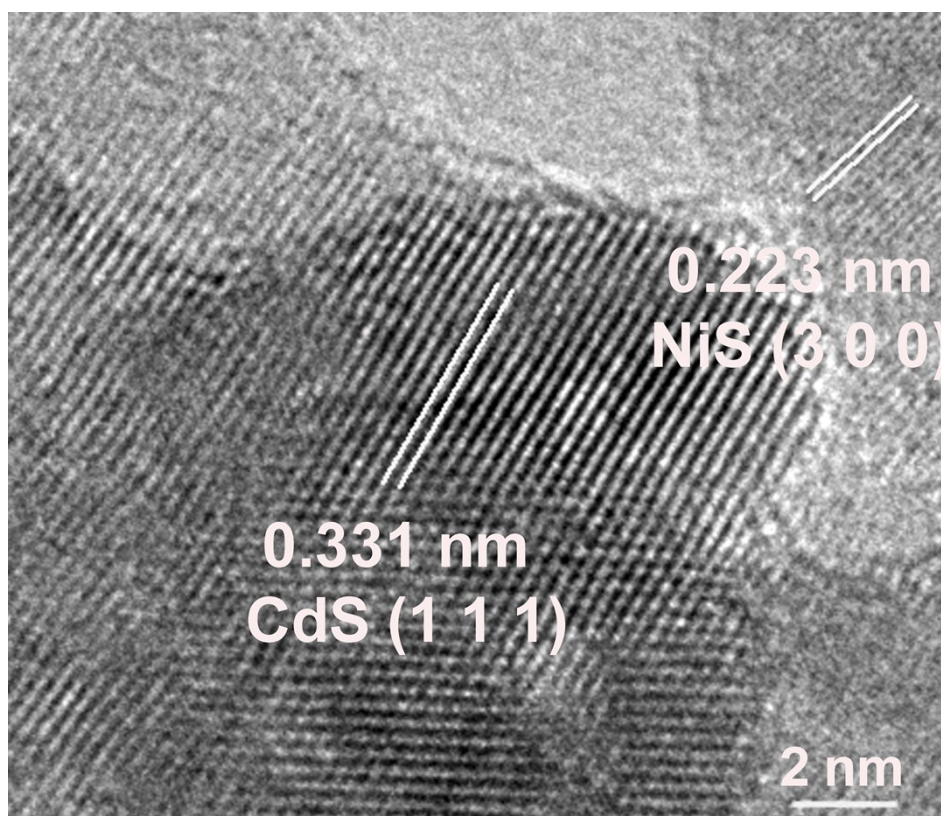


Fig. S2. HRTEM image of NiS/Nb₆ - CdS composite.

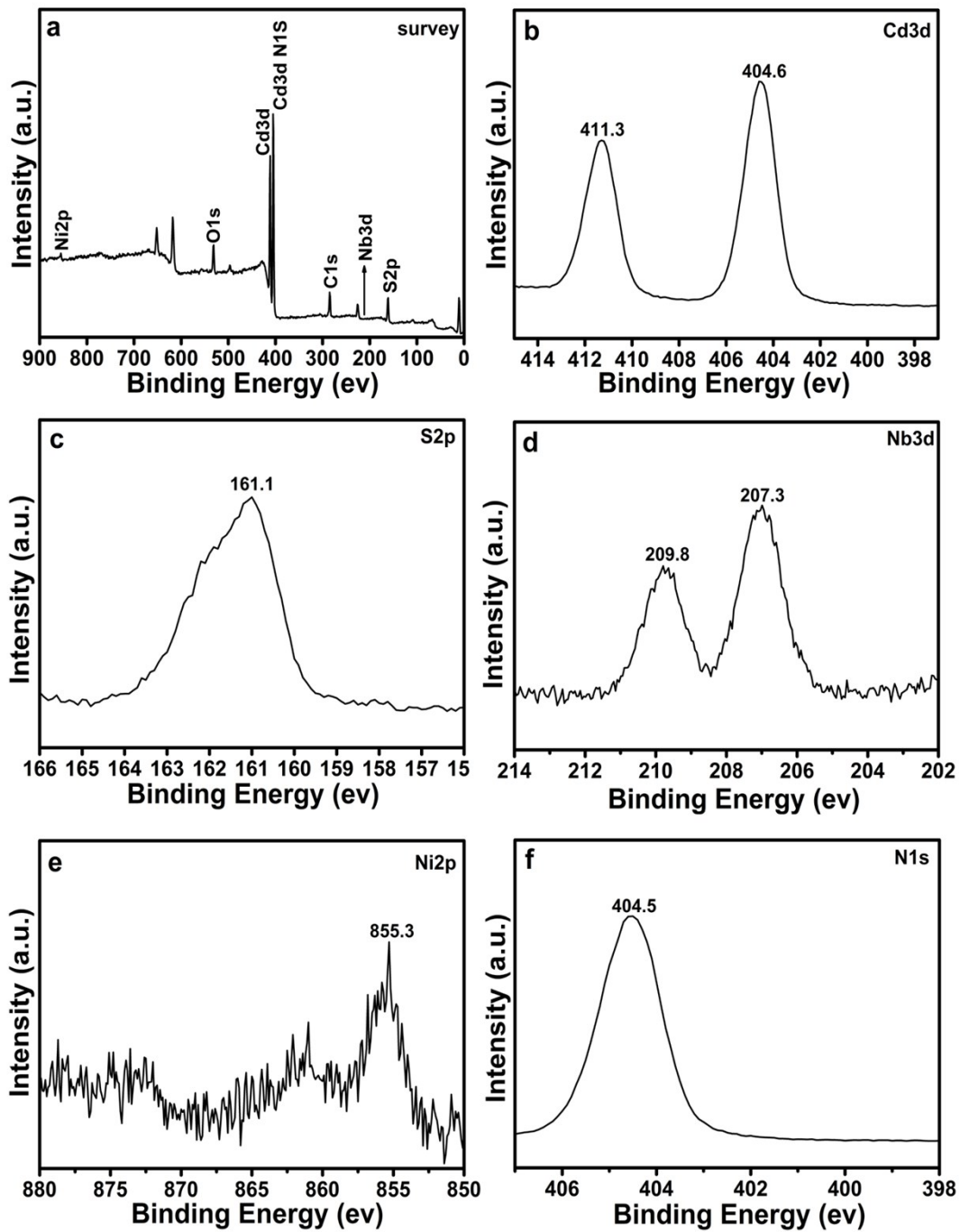


Fig. S3. XPS data of NiS/Nb₆ - CdS composite: (a) survey spectrum, and high resolution XPS spectra of : (b) Cd 3d, (c) S 2p, (d) Nb 3d, (e) Ni 2p, and (f) N 1s.

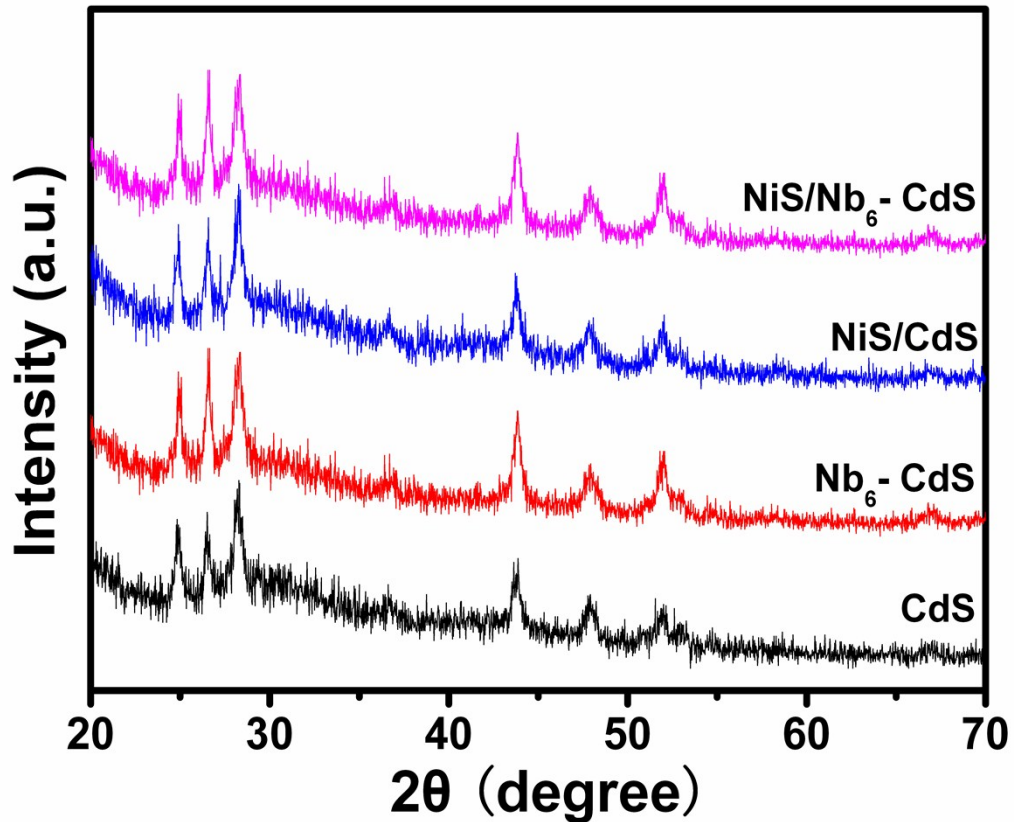


Fig. S4. XRD patterns of CdS, Nb₆ – CdS, NiS/CdS and NiS/Nb₆ - CdS powder samples.