Supporting Information

Cobalt Nitride as an Efficient Cocatalyst on CdS Nanorods for Enhanced Photocatalytic Hydrogen Production in Water

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samples	C1	C2	C3	C4	C5	C6
Co (wt %)	0.475	2.705	3.37	4.13	4.305	9.725
Co_3N (wt %)	0.51	2.92	3.64	4.46	4.65	10.5

Table S1. Cobalt (Co) and Co_3N contents in Co_3N/CdS samples. Co contents were measured by ICP-AES and Co_3N contents were calculated based on the contents of Co.

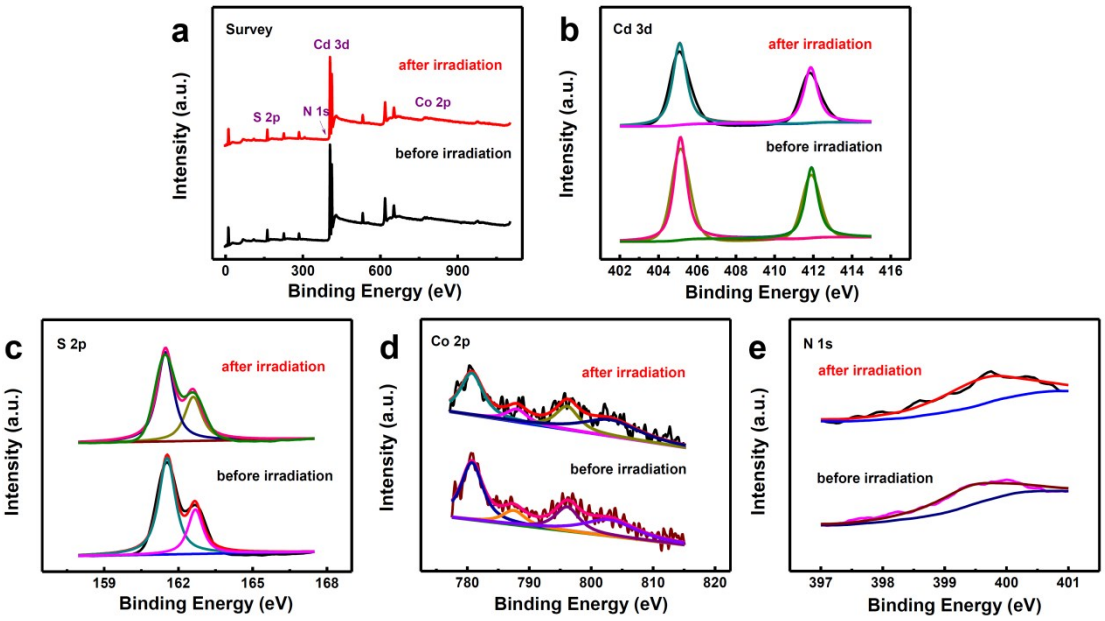

Figure S1. (a) XPS survey spectra and high resolution XPS spectra of **(b)** Cd 3d, **(c)** S 2p, **(d)** Co 2p and **(e)** N 1s of sample C4 before and after irradiation.