

SUPPLEMENTARY INFORMATION

Fabrication of highly efficient and stable nano-modified photoanode for solar H₂ generation

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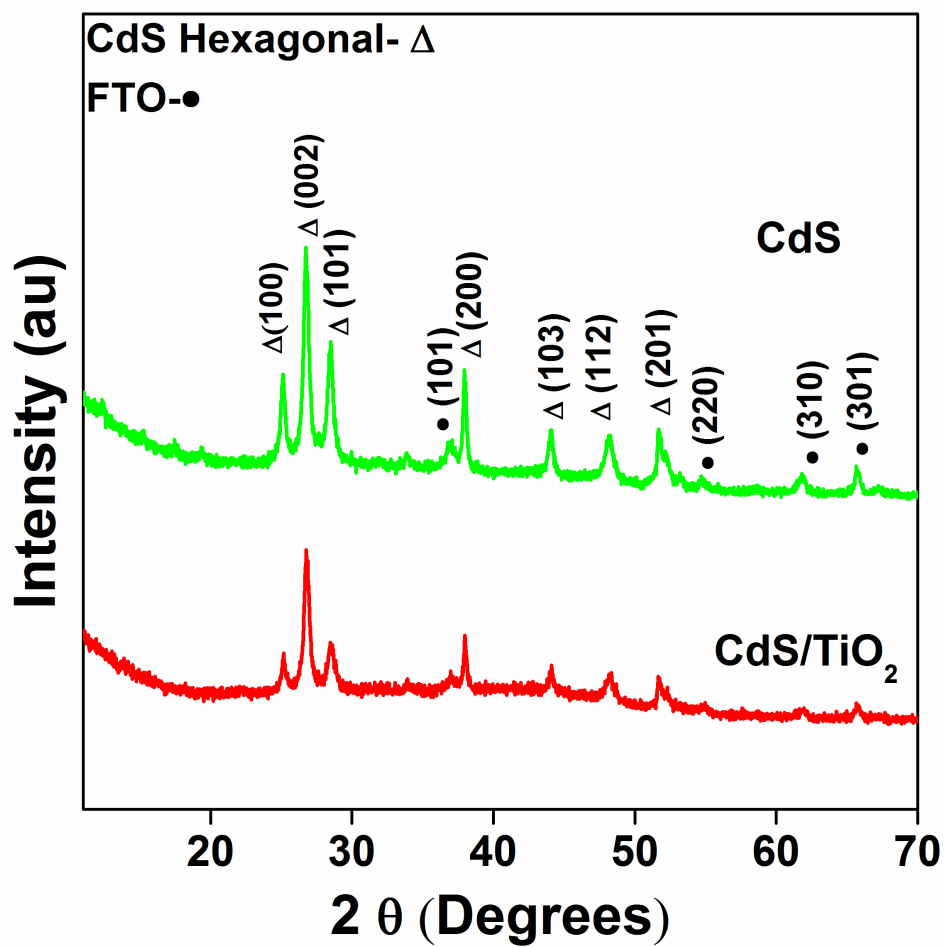


Figure S.I. 1 XRD Spectra of CdS over FTO and NMP (TiO₂_CdS) indicating the existence of hexagonal CdS phase.

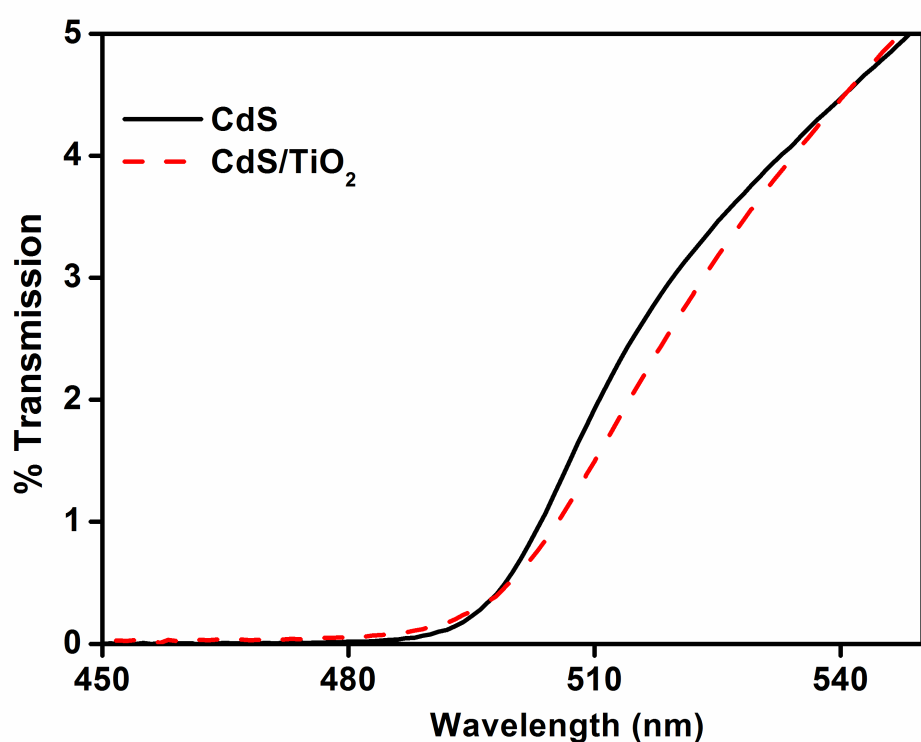


Figure S.I. 2 Transmission Spectra of CdS over FTO and NMP (TiO₂_CdS) indicating no significant effect on the optical properties of films.

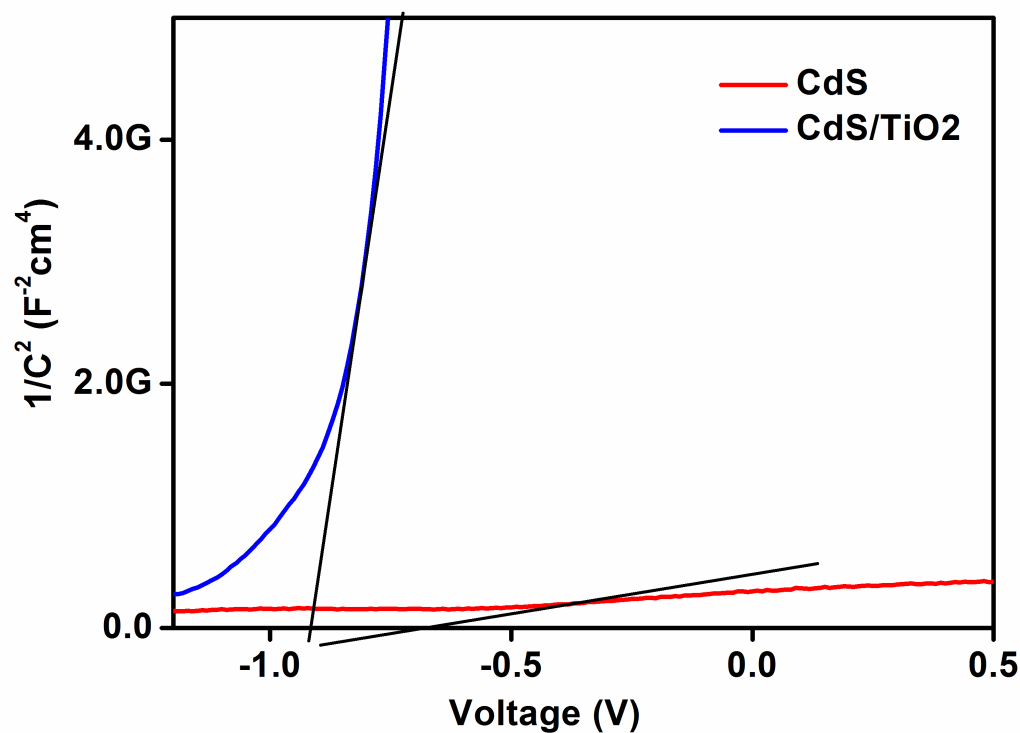


Figure S.I. 3 Mott-Schottky plots for CdS and NMP (TiO_2_CdS) indicating lowered flat band potential for NMP.