

Supplementary Information for

Modification of BiOI Microplates with CdS QDs for Enhancing Stability, Optical Property, Electronic Behavior towards Rhodamine B De-Colorization and Photocatalytic Hydrogen Evolution

Debasmita Kandi,^aSatyabadi Martha,^{a*} Arun Thirumurugan^b and K. M. Parida^{a*}

^aCentre for Nano Science and Nano Technology, Institute of Technical Education and Research, Siksha 'O' Anusandhan University, Bhubaneswar-751030

^bInstitute of Physics, SachivalayaMarg, Bhubaneswar-751005

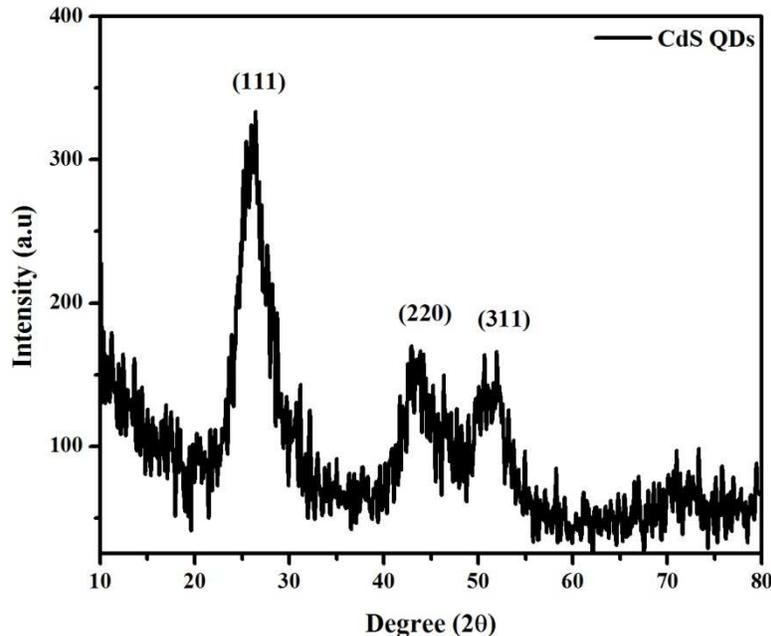


Figure S1.XRD pattern of CdS QDs.

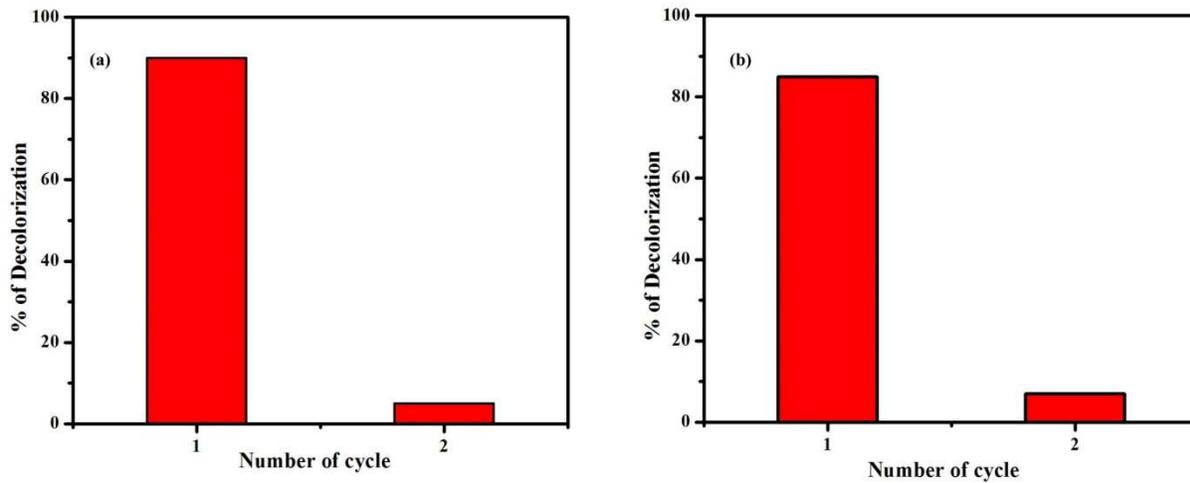


Figure S2. Photostability and reusability of (a) CdS QDs and (b) BiOI MPs towards decolorization of RhB.

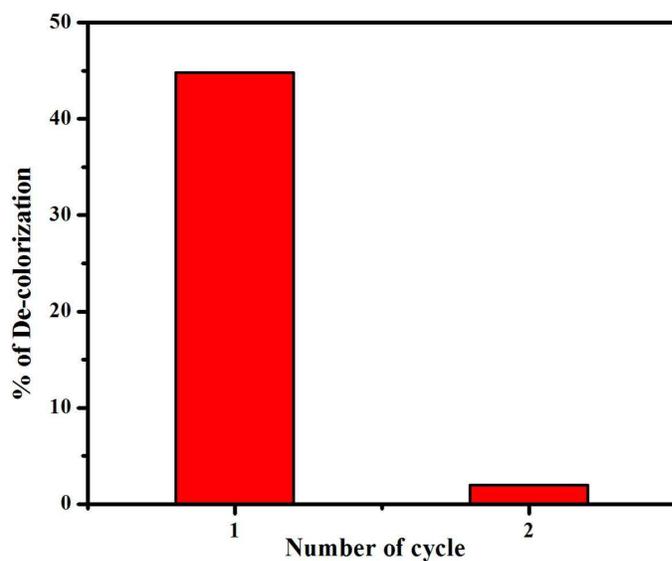


Figure S3. De-colorization study of RhB over physically mixed 4% CdS and BiOI.

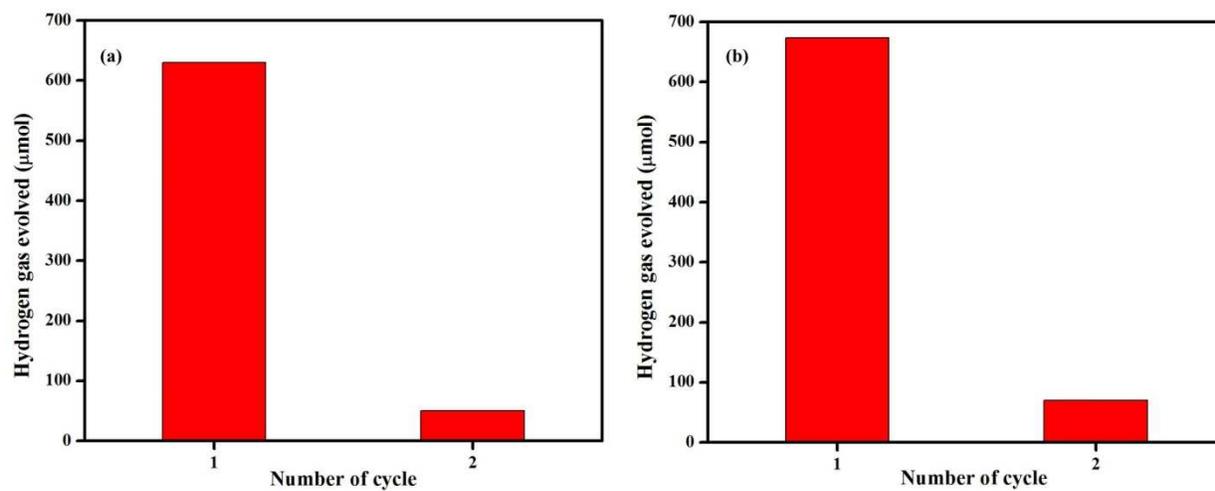


Figure S4. Photostability and reusability of (a) CdS QDs and (b) BiOI MPs towards hydrogen generation.

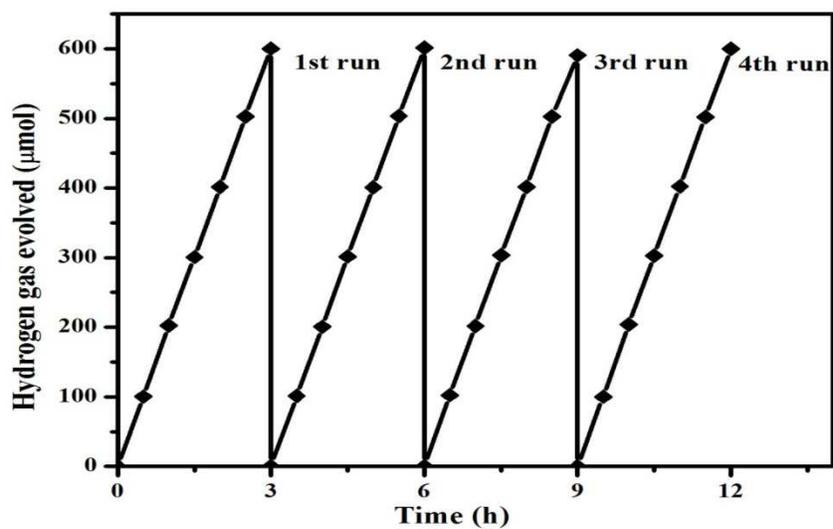


Figure S5.Photostability and reusability of 4% CdS QDs/BiOI