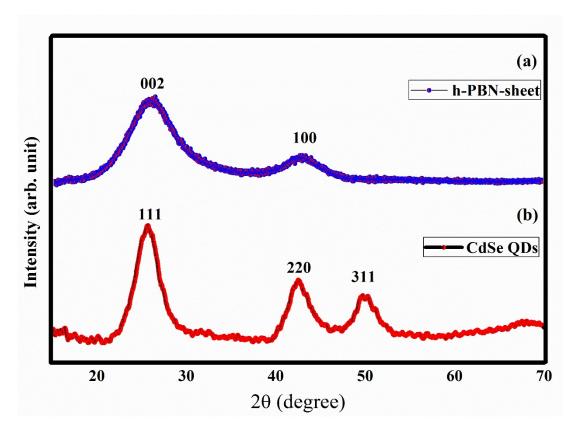
## CdSe Quantum Dots/White Graphene Hexagonal Porous Boron Nitride Sheet (h-PBNs)

## Heterostructure Photocatalyst for Solar Driven H<sub>2</sub> Production

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## **Supporting Information**

Figure S1: XRD Patterns of the h-PBNs (a), and CdSe QDs (b) samples.

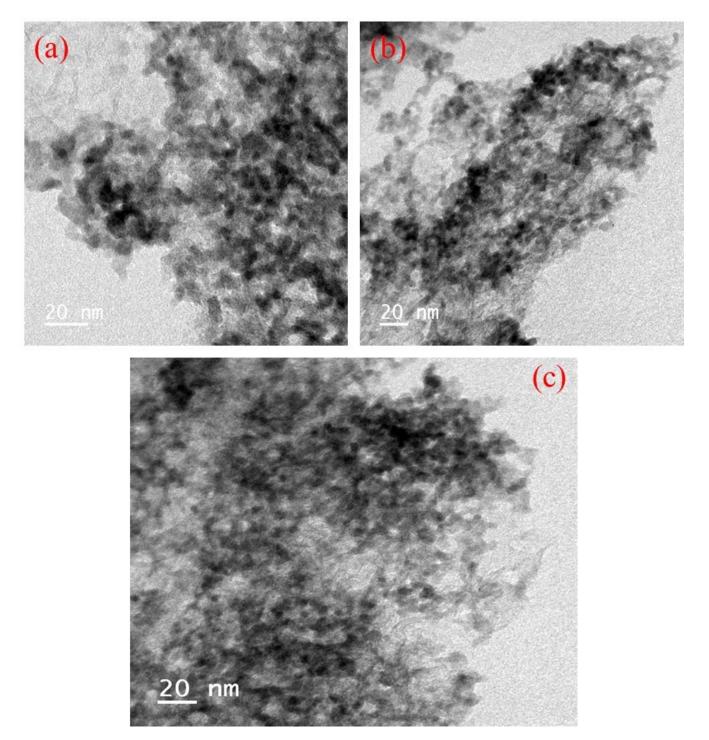


Figure S2: TEM image of uniformly deposited CdSe QDs on h-PBNs.



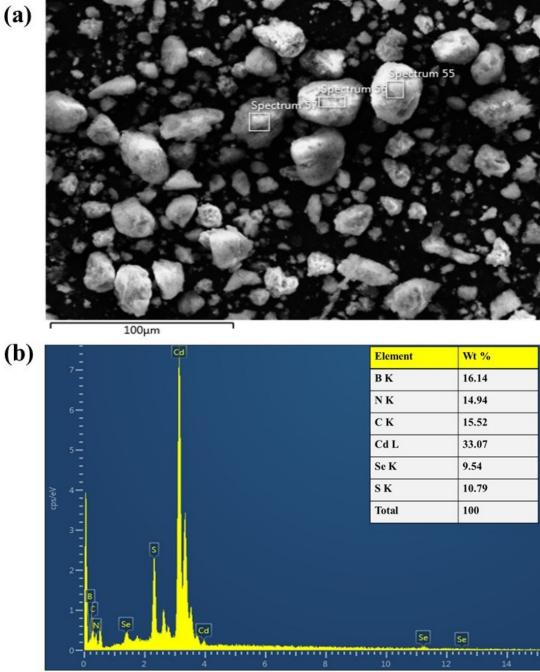


Figure S3: (a) SEM image of 30% h-PBNs/CdSe heterostructure (b) the SEM-EDX area of the 30% h-PBNs/CdSe heterostructure containing B, N, C, Cd, Se, and S elements.