Supplementary Material

Figure S1a. High resolution XPS (C 1s) of NC2 CQDs and NC2-4@SnS2.

C:\Users\Administrator\Desktop\XPS2\C.TIF

Figure S1b. High resolution XPS (N 1s) of NC2 CQDs and NC2-4@SnS2.

C:\Users\Administrator\Desktop\XPS2\N.TIF

Figure S1c. High resolution XPS (O 1s) of NC2 CQDs and NC2-4@SnS2.

C:\Users\Administrator\Desktop\XPS2\O.TIF

Figure S1d. High resolution XPS (S 2p) of SnS2 and NC2-4@SnS2.

C:\Users\Administrator\Desktop\XPS2\S.TIF

Figure S1e. High resolution XPS (Sn 3d) of SnS2 and NC2-4@SnS2.

C:\Users\Administrator\Desktop\XPS2\Sn.TIF

Figure S2. A possible photocatalytic mechanism of NC@SnS2.

