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Supporting Information for:

Hierarchical Microspheres: In situ Assembly of CdS Quantum Dots on Cd₂SnO₄ Nanosheets with Enhanced Visible Light Photocatalytic Properties

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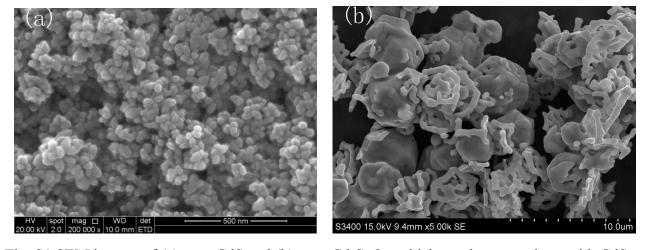


Fig. S1 SEM images of (a) pure CdS and (b) pure Cd_2SnO_4 , which are the same phase with CdS and Cd_2SnO_4 of the CdS/Cd_2SnO_4 composite.

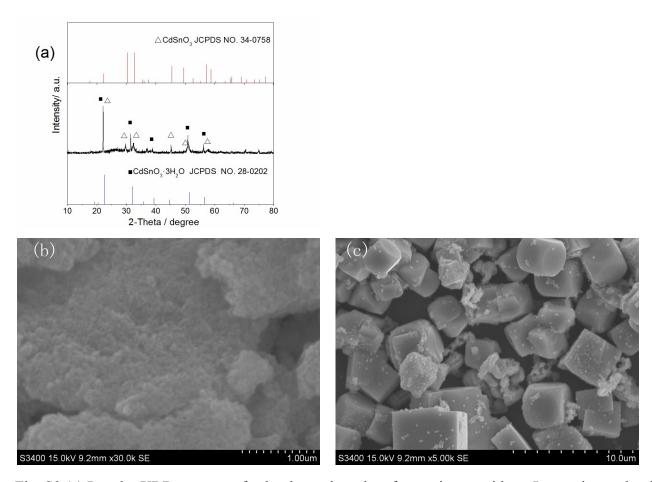


Fig. S2 (a) Powder XRD patterns of solvothermal product from mixture without L-cysteine under the similar conditions to the CdS/Cd₂SnO₄ composite. SEM images of precipitation from mixture without L-cysteine (b) before solvothermal, (c) after solvothermal.

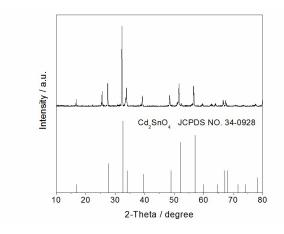


Fig. S3 Powder XRD patterns of pure Cd₂SnO₄ prepared by using strong basic NaOH aqueous solution in a hydrothermal process.

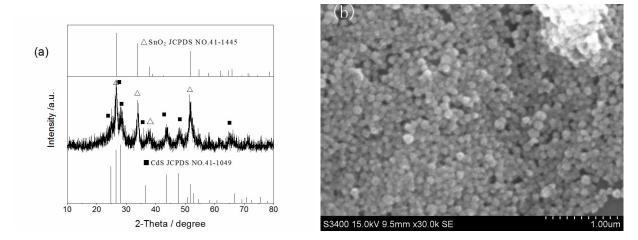


Fig. S4 (a) Powder XRD patterns, (b) SEM image of product prepared by using $SnCl_4 \cdot 5H_2O$ instead of $SnCl_2 \cdot 2H_2O$.