

Supplementary Information

Synthesis and application ternary photocatalyst with a gradient band structure from two-dimensional nanosheets as precursors

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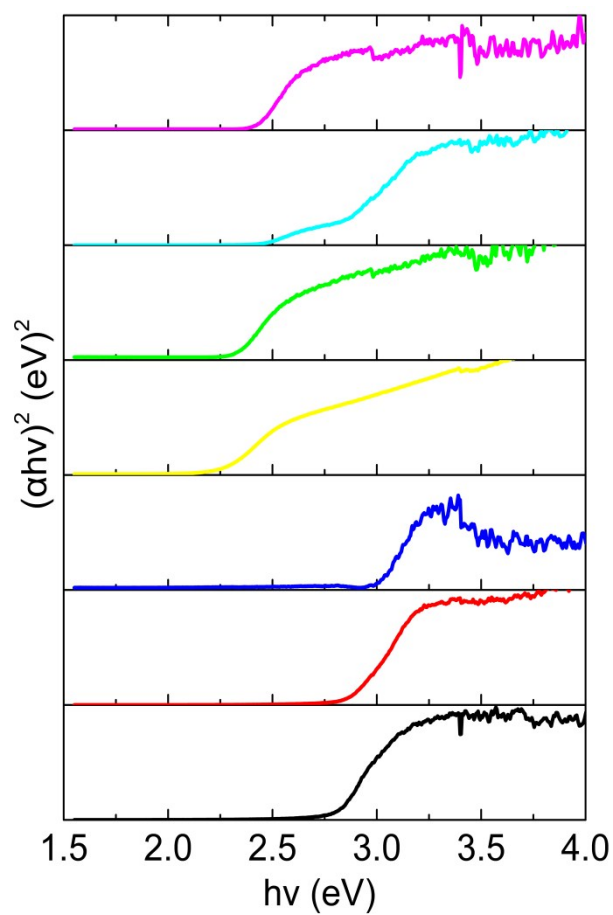


Fig. S1 $(\alpha h\nu)^2$ versus photon energy ($h\nu$) curves of all the samples.

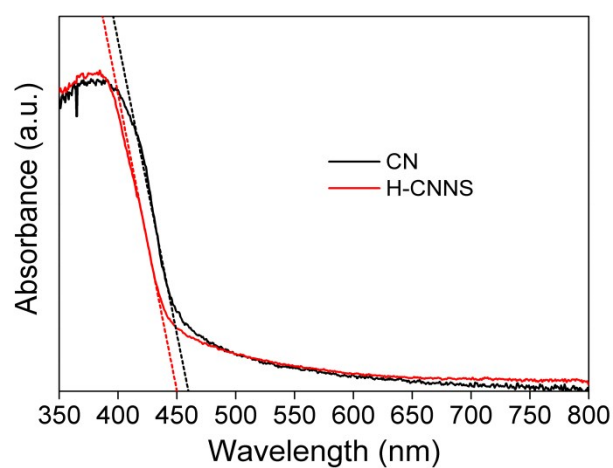


Fig. S2 The comparison of absorption curves of CN and H-CNNS.

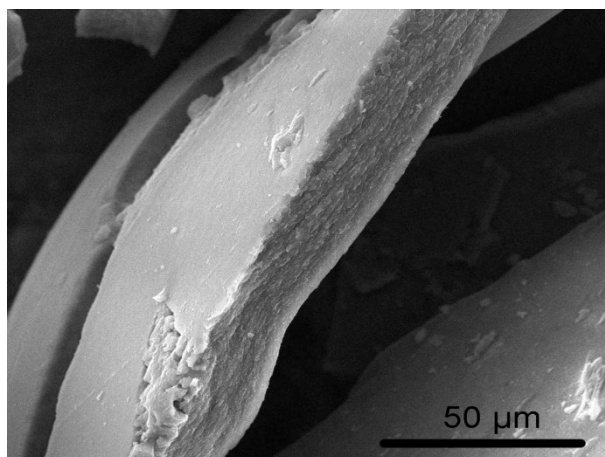


Fig. S3 The SEM image of restacked CNNS

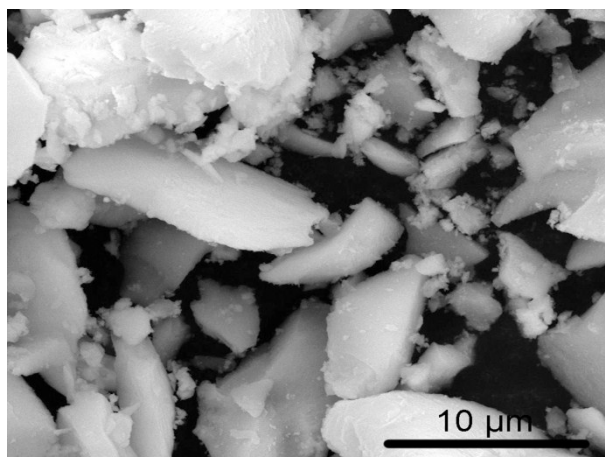


Fig. S4 The SEM image of CdS.

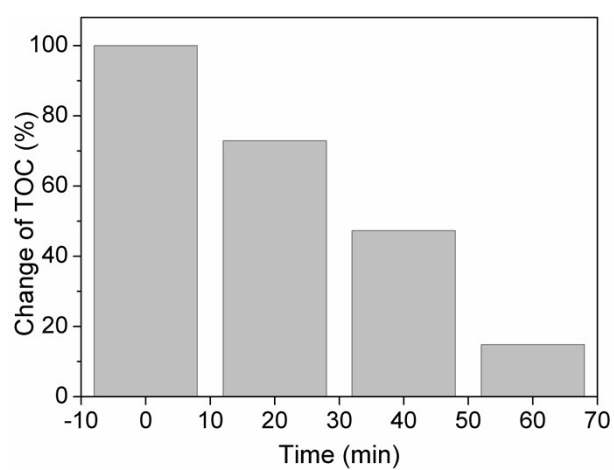


Fig. S5 The TOC removal efficiency of RhB (10 mg L⁻¹) of CNNS/CdS/rGO. The initial TOC concentration of RhB solution is 15.5 mg L⁻¹.

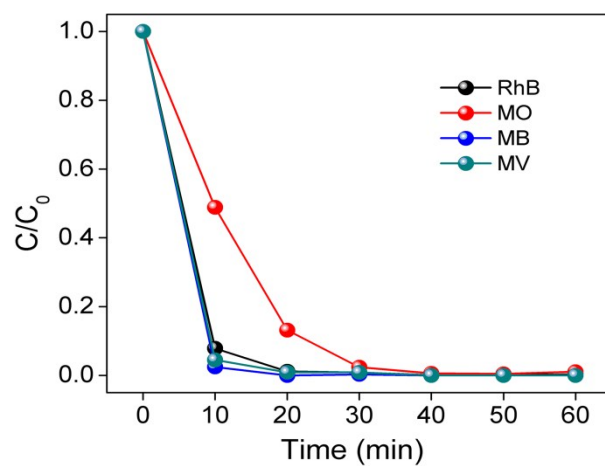


Fig. S6 The degradation performance of CNNS/CdS/rGO for different dyes.

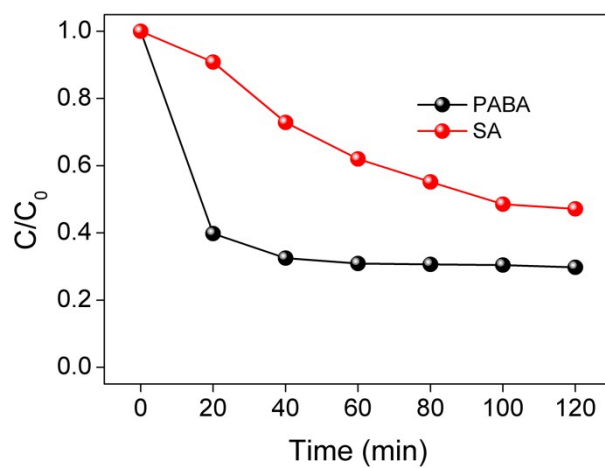


Fig. S7 The degradation performance of CNNS/CdS/rGO for colorless organics.