Supporting Information

A novel ultrathin g-C_3N_4 nanosheet with hexagonal CuS nanoplates composite under solar light irradiation for H_2 production

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1 figures

S1 The colour change of the obtained products

Fig S1. Graphitic bulk g-C_3N_4 (pale-yellow powder), Ultrathin g-C_3N_4 nanosheet (pale powder) and g-C_3N_4 -CuS (black powder)

The g-C_3N_4 nanosheets with distinguishable ultrathin layers after the photocatalysis reaction and 30 days storage were observed by TEM (Fig. S2). It shows the less aggregation of g-C_3N_4 nanosheets, indicating the excellent stability.

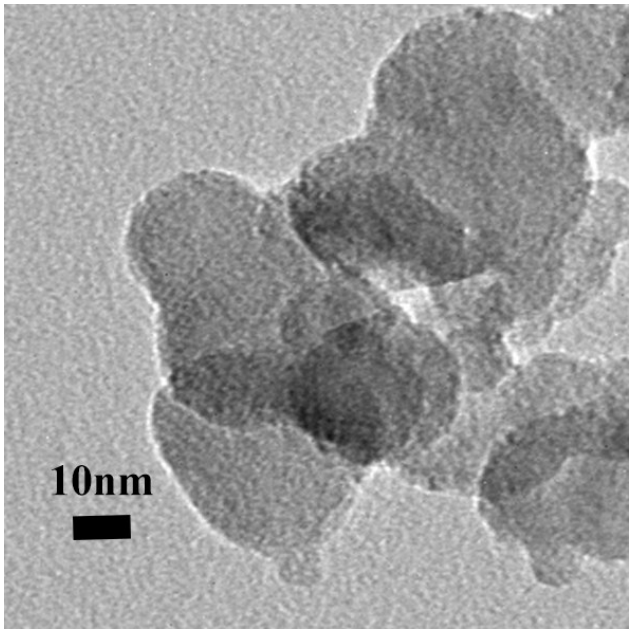

Fig S2. TEM image of g-C_3N_4 nanosheets after photocatlysis reaction and 30 days storage