

Supporting information

Enhanced photocatalytic hydrogen evolution over heterojunction composed of silver cyanamide and graphitic carbon nitride

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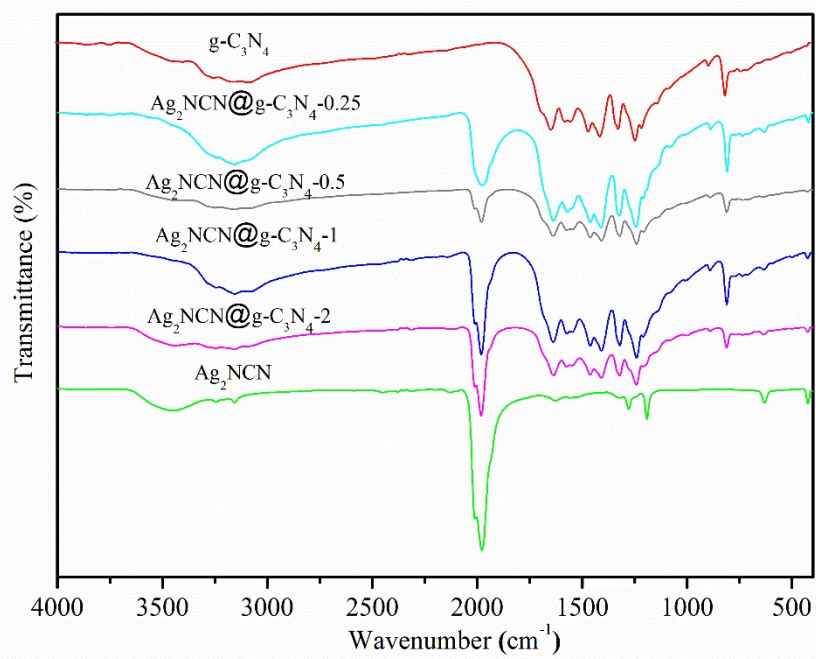


Fig. S1 FTIR of Ag_2NCN , $\text{g-C}_3\text{N}_4$ and $\text{Ag}_2\text{NCN}@g\text{-C}_3\text{N}_4$ heterojunctions.

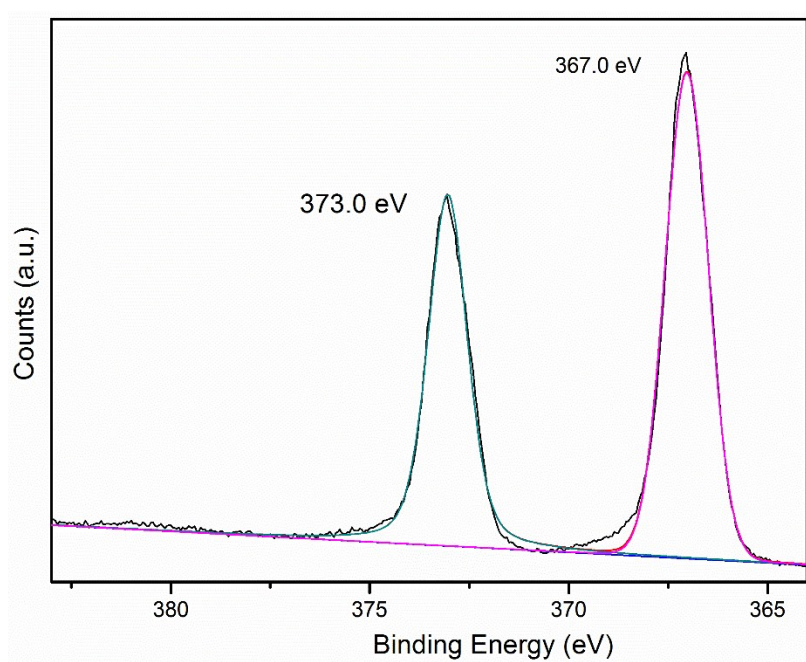


Fig. S2 Ag 3d XPS of pristine Ag_2NCN

Table S1. The Band gap of Ag₂NCN, g-C₃N₄ and Ag₂NCN@g-C₃N₄ heterojunctions

Name	Band gap (eV)
g-C ₃ N ₄	2.83
g-C ₃ N ₄ @ Ag ₂ NCN-2	2.77
g-C ₃ N ₄ @ Ag ₂ NCN-1	2.69
g-C ₃ N ₄ @ Ag ₂ NCN-0.5	2.50
g-C ₃ N ₄ @ Ag ₂ NCN-0.25	2.42
Ag ₂ NCN	2.34