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Supporting Information



Fig. S1. SEM images of $g-C_3N_4$ NPs (a) and $Ag/g-C_3N_4$ /PANI (b).



Fig. S2. Photocatalytic production of H_2 obtained from g-C₃N₄-Ag/PANI nanocomposites with different size g-C₃N₄ NPs.



Fig. S3. XRD patterns of before and after catalytic reaction $g-C_3N_4$ -Ag/PANI nanocomposites.