Supporting Information

Nanocomposites of AgInZnS and Graphene nanosheets as Efficient Photocatalysts for Hydrogen Evolution

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S_Figure 1 TEM images of AgInZnS nanoparticles with different ratio (A. $Ag_{0.01}In_{0.23}ZnS_{1.35}$, B, $Ag_{0.02}In_{0.23}ZnS_{1.355}$, C, $Ag_{0.05}In_{0.23}ZnS_{1.37}$)



S_Figure 2. (A) high resolution TEM image of $(Ag_{0.04}In_{0.23}ZnS_{1.365})$ AgInZnS nanoparticles, (B)the magnified High resolution TEM image of AIZS-rGO nanocomposites.



S_Figure 3 Hydrogen evolution rates of AIZS nanoparticles with different ratio of Ag.