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Supporting Information

Ag-doped $g-C_3N_4$ film electrode: Fabrication, characterization and

photoelectrocatalysis property

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Figure S1. The EDS image of $Ag/g-C_3N_4(1:10)$ (a) $Ag/g-C_3N_4 \times 120K$; (b) $Ag/g-C_3N_4 \times 400K$



Figure S2. The STEM spectra and corresponding element mappings of $Ag/g-C_3N_4$ (1:10). (a) The STEM spectra of $Ag/g-C_3N_4$ (1:10); (b) all corresponding element mappings of $Ag/g-C_3N_4$ (1:10); (c)



C mapping; (d) N mapping; (e)Ag mapping

Figure S3 XPS survey spectrum of pure $g-C_3N_4$ and $Ag/g-C_3N_4$ composite