In-situ growth of Ag/Ag$_2$O nanoparticles on g-C$_3$N$_4$ by a natural carbon nanodots-assisted green method for synergistic photocatalytic activity

Zhifeng Jiang$^{†,‡}$ and Jimin Xie$^{*,†}$

$^{†}$School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang, 212013, P.R.China

$^{‡}$Department of Chemical Engineering, Columbia University, New York, NY 10027, United States

First author e-mail: ntjiangzf@sina.com

*Corresponding author: Jimin Xie

Tel.: +86 11 88791708; fax: +86 11 88791800;

E-mail address: xiejm391@sohu.com
Fig. S1 XRD (A), XPS (B, Ag 3d) and TEM images (C-before reaction, D-after sixth reaction) of Ag/Ag₂O@g-C₃N₄ ternary composite.