Supplementary Information

AgBr/g-C₃N₄ Nanocomposites for Enhanced Visible-light-driven Photocatalytic Inactivation of Escherichia coli

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Figure S1. (a) XPD patterns and (b) FTIR spectra of AgBr/g-C$_3$N$_4$ photocatalysts. The percentage of AgBr from bottom to the up is 5, 10, 20, 30, and 40 %.

Figure S2. (a) TEM and (b) SEM image of pristine g-C$_3$N$_4$; (c) SEM image of AgBr nanoparticles prepared without the presence of g-C$_3$N$_4$. 
**Figure S3.** XPS survey spectra of the g-C$_3$N$_4$ (red) and AgBr/g-C$_3$N$_4$ (blue) photocatalysts.

**Figure S4.** PL spectra of AgBr/g-C$_3$N$_4$ photocatalysts. The percentage of AgBr from bottom to the up is 30, 40, 20, 10, and 5 %.