## † Electronic supplementary information (ESI)

## Figure captions

- Fig. S1 Flow charts for the synthesis of pure Ag<sub>3</sub>PO<sub>4</sub> and g- C<sub>3</sub>N<sub>4</sub>/Ag<sub>3</sub>PO<sub>4</sub> photocatalysts.
- Fig. S2 Nitrogen adsorption-desorption isotherm, specific surface area and pore size distribution of as prepared a) CNAGPO25 and b) CNAGPO40 photocatalysts.
- Fig.S3 XRD of reused CNAGPO25 photocatalyst for six successive experiments for photocatalytic degradation of MO in aqueous solution under visible light irradiation.

## **Figures**

Fig. S1

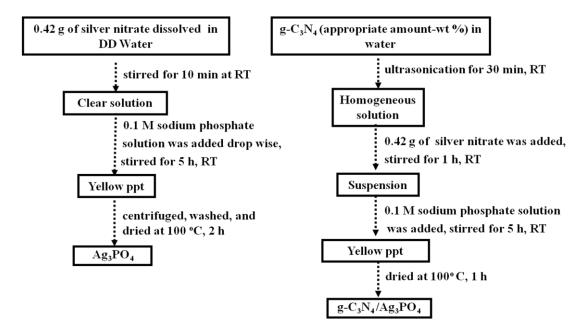


Fig. S2

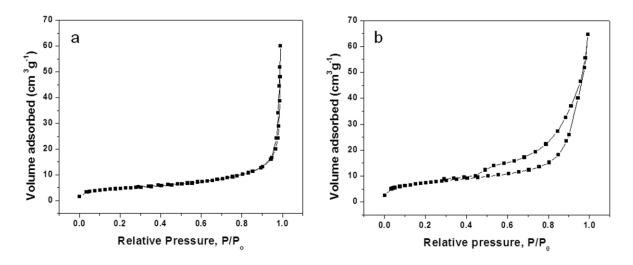


Fig. S3

