Supporting Information

Figure S1. TEM image of SiO\textsubscript{2} particles
Figure S2. Raman spectra of ZnO, mpg-C$_3$N$_4$ and ZnO/mpg-C$_3$N$_4$ photocatalysts excited with UV-laser at 785 nm.
Figure S3. SEM images of (a) ZnO, (b) mpg-C$_3$N$_4$, (c) ZnO/mpg-C$_3$N$_4$
Figure S4. EDX patterns of the selected area in HTEM image of ZnO/mpg-C$_3$N$_4$-24.9
Figure S5. Photolysis of MB and photocatalytic degradation of MB over ZnO, mpg-C$_3$N$_4$ and ZnO/mpg-C$_3$N$_4$ photocatalysts under visible light irradiation (λ > 420 nm)
Figure S6. ESR spectra of mpg-C$_3$N$_4$ and ZnO/mpg-C$_3$N$_4$ photocatalysts in water and methanol solvents under visible light irradiation ($\lambda > 420$nm) (DMPO as the radical trapper)