Electronic Supplementary Material (ESI) for RSC Advances.

High photocatalytic activity of plasmonicAg@AgCl/Zn_2SnO_4 nanocomposites synthesized using hydrothermal method

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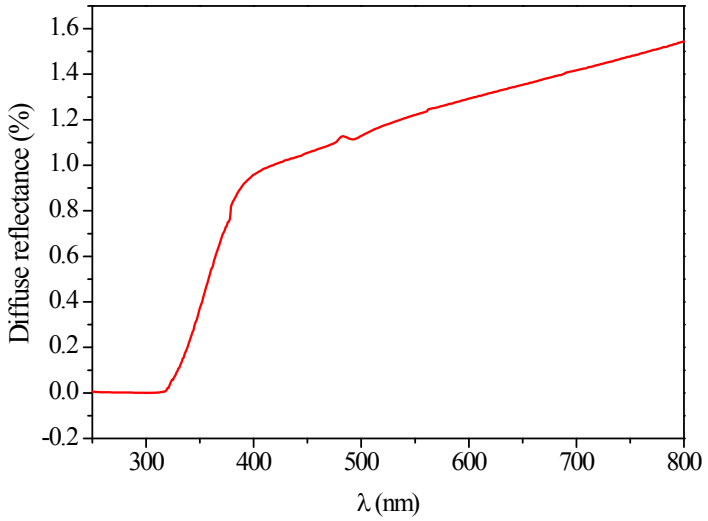

Figure S1. Diffuse reflectance of ZTO NPs.

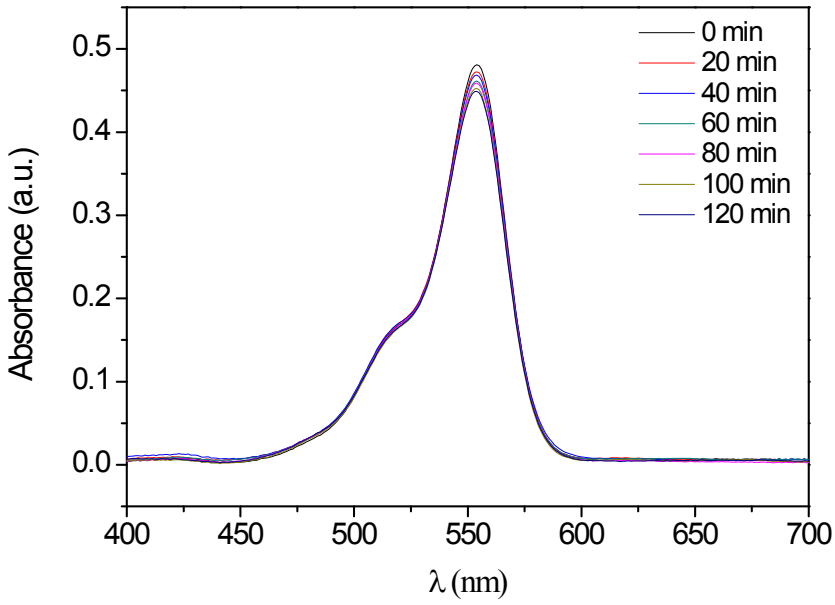

Figure S2. UV-vis absorption spectra of RhB (5×10^{-6} M) before and after irradiation in the absence of catalyst as a function of irradiation time under visible light irradiation (λ_{ex}>420 nm, P=0.5 W).

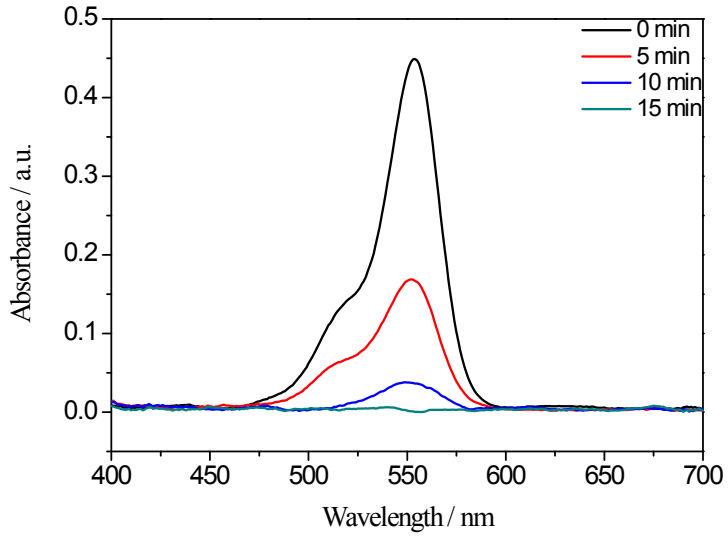

Figure S3. UV-vis absorption spectra of RhB(5×10^{-6} M) before and after irradiation in the presence of Z-Ag2 (1g/L) sample as a function of irradiation time under visiblelight irradiation (λ_{ex}>420 nm, P=0.5 W).

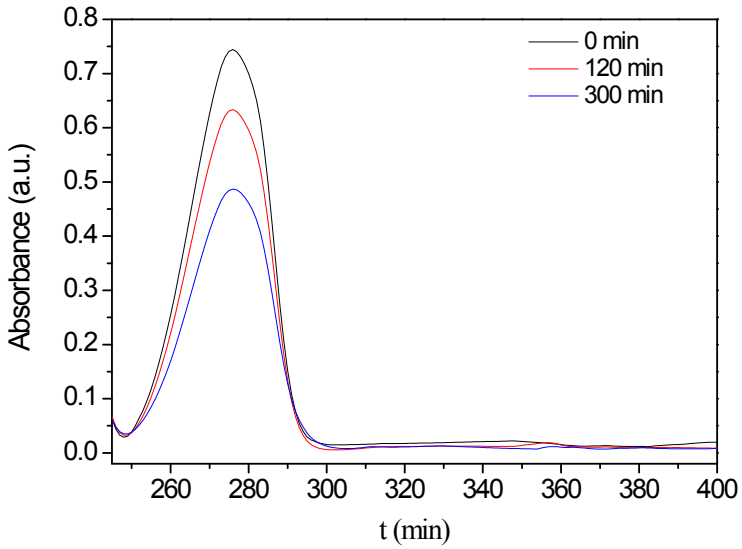

Figure S4. UV-vis absorption spectra of Bisphenol A (0.3 mM) before and after irradiation in the presence of Z-Ag2 (1g/L) sample as a function of irradiation time under visible light irradiation (λ_{ex}>420 nm, P=0.5 W).

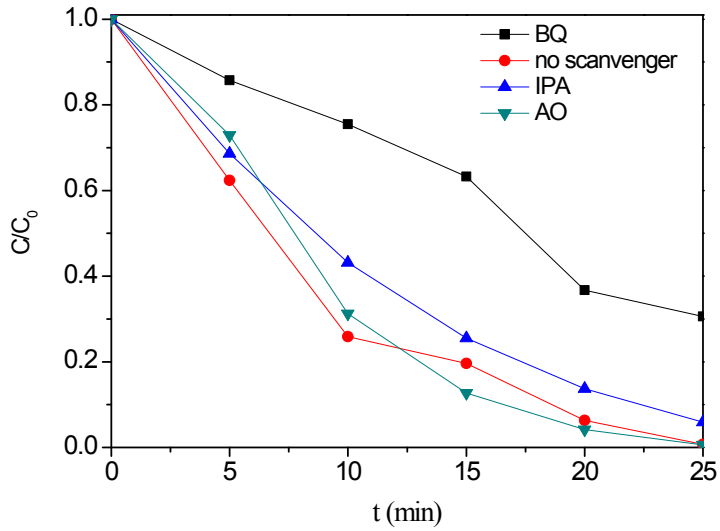

Figure S5. Photocatalytic degradation of RhB over Ag@AgCl/ZTO (Z-Ag2, 1g/L) alone and in the presence of OA, IPAand BQ scavengers under visible light.