

Supplementary data:

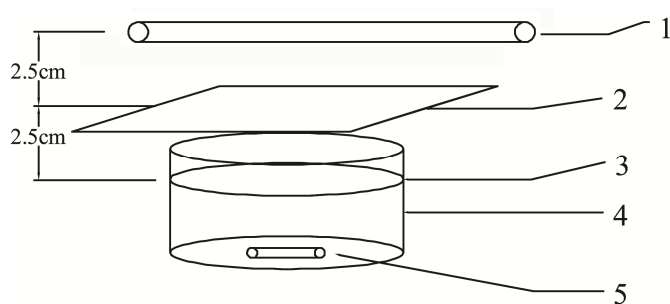


Fig. S1. Scheme of the experimental setup. 1 indoor fluorescent lamps, 2 cutoff filter (11cm×11cm), 3 initial liquid level, 4 photocatalytic reactor (diameter, 9cm) and 5 magnetic stirrer.

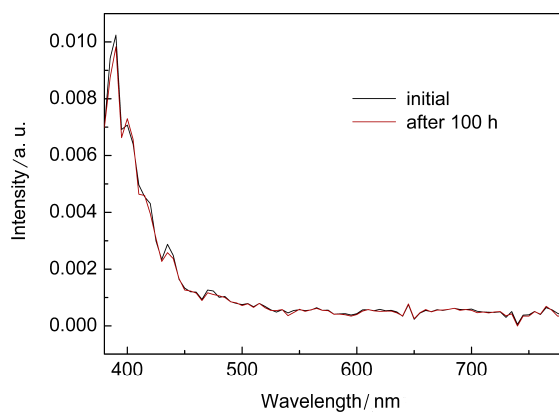


Fig. S2. The spectrums of the indoor fluorescent lamps at the initial time and after 100 h (measured using Zolix SGM100 spectrograph).

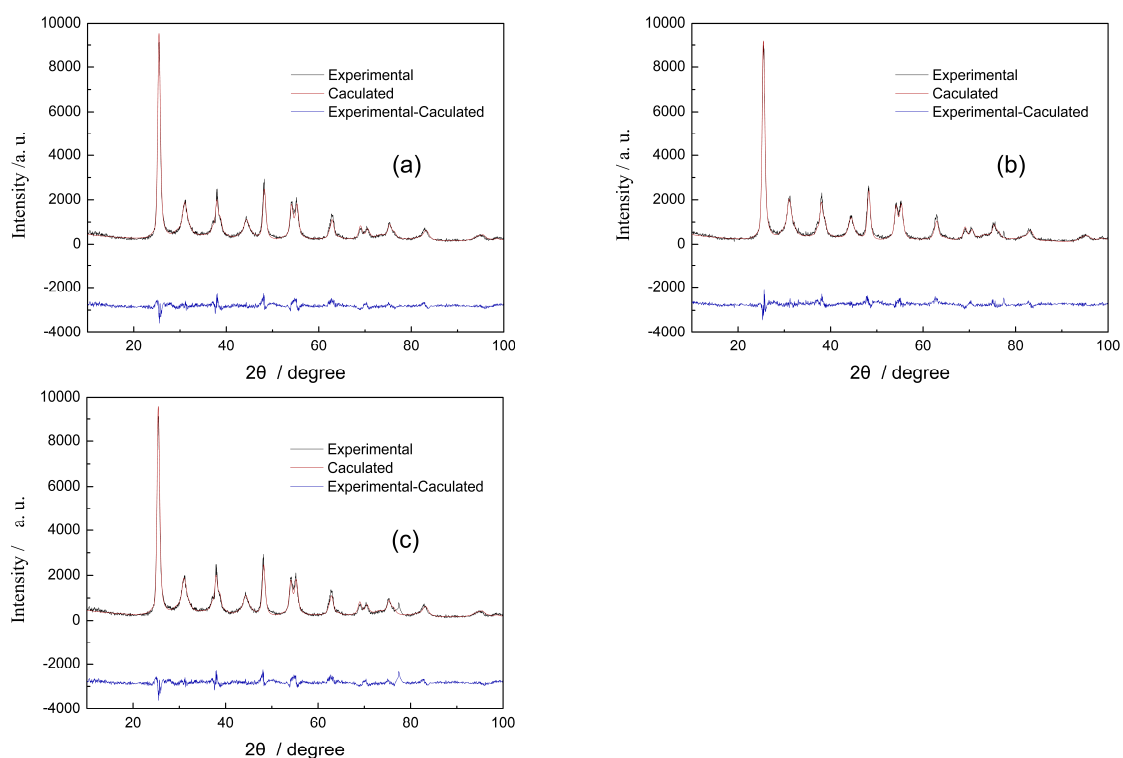


Fig. S3. The Rietveld fitted results for the XRD diffraction data of the samples: (a) Ag/AgBr/TiO₂ (b) Ag/AgBr/TiO₂ after the 10th cycling in water under visible light irradiation (c) Ag/AgBr/TiO₂ after the 10th cycling photodegradation of MO under visible light irradiation.