

Supplementary Materials

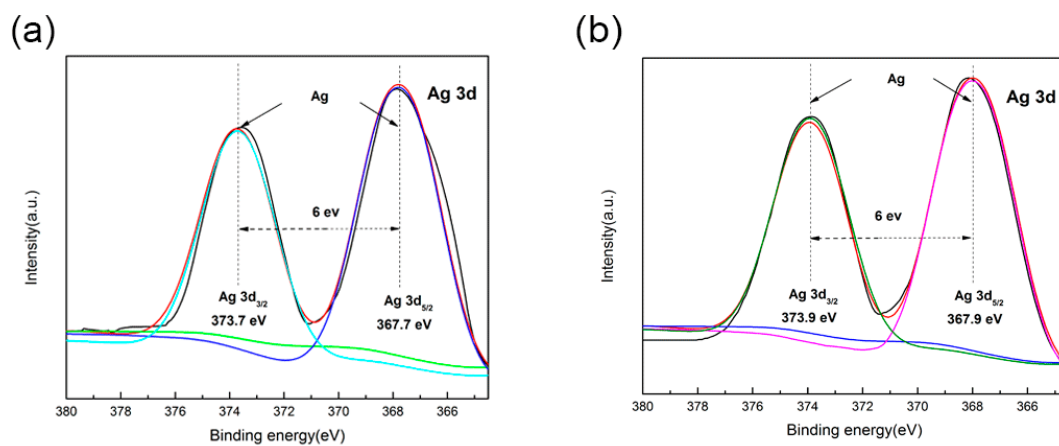


Figure S1. Ag 3d high resolution spectra of Ag@TiO₂ NPs-1 (a) and Ag@TiO₂ NPs-0.25 (b).

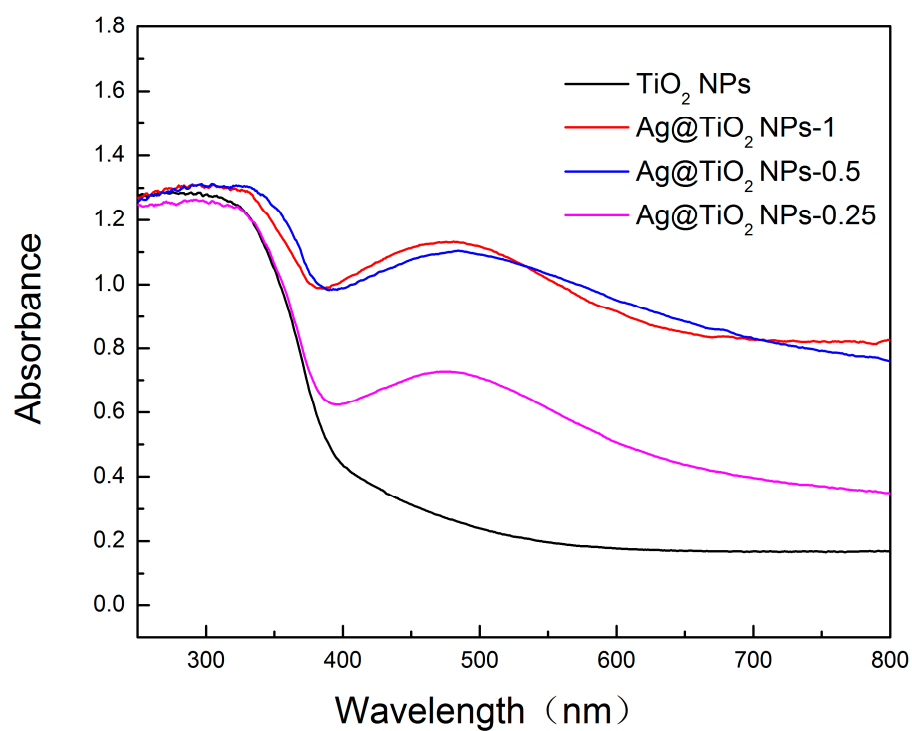


Figure S2. Optical absorption spectroscopy.

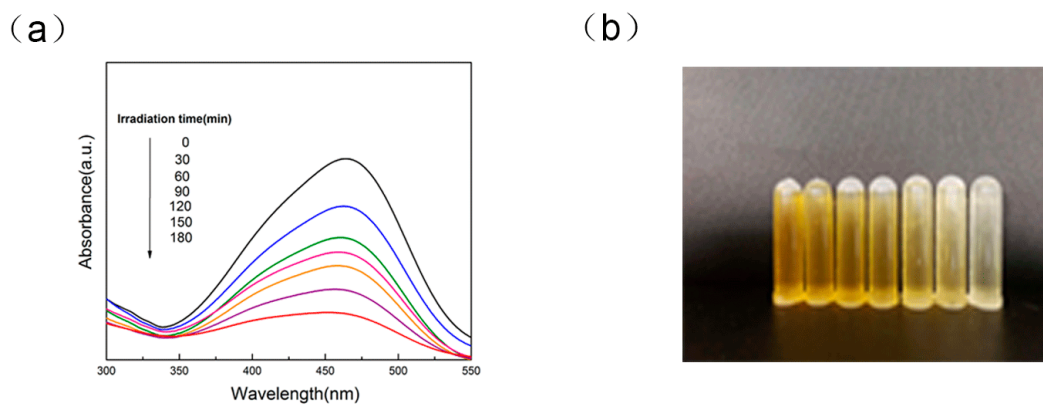


Figure S3. UV absorption spectrum during MO degrade process under UV light.

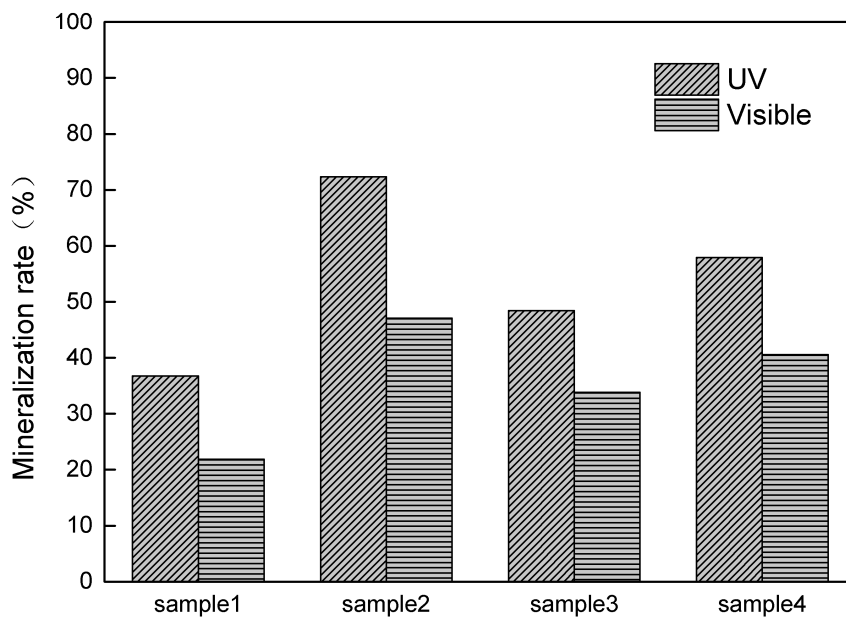


Figure S4. Mineralization rates of MO by the samples under UV and Visible light irradiation. Samples 1–4 denote pure TiO₂ NPs, Ag@TiO₂ NPs-0.5, Ag@TiO₂ NPs-0.25 and Ag@TiO₂ NPs-1.