

Electronic Supplementary Information (ESI)

Enhanced photocatalytic and antibacterial activity of plasma reduced silver nanoparticles

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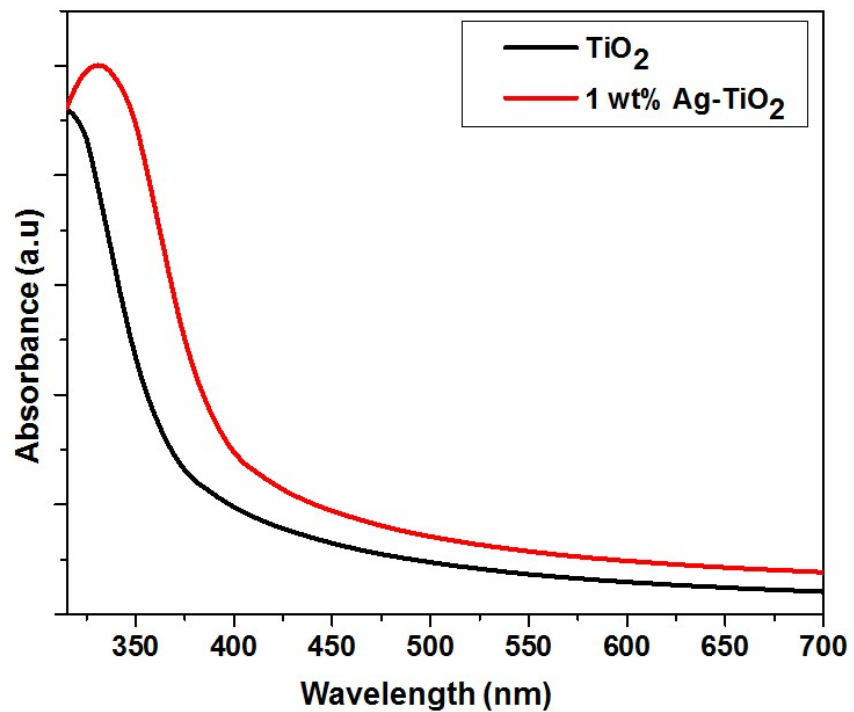


Fig.S1. UV-Vis absorbance spectra of TiO₂ and 1 wt% Ag-TiO₂

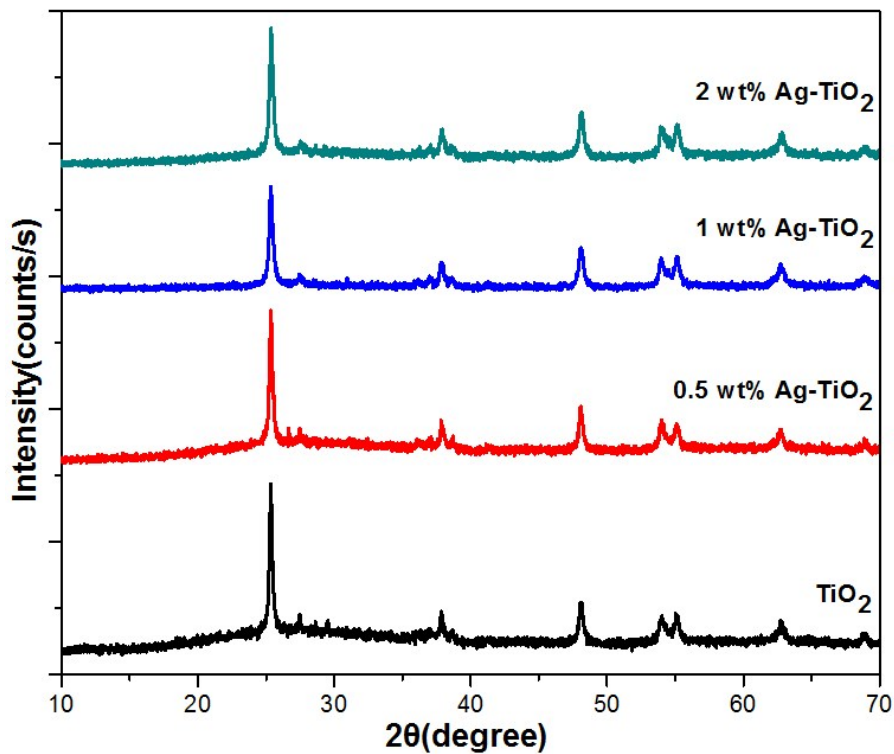


Fig.S2. X-Ray diffraction patterns of the TiO₂ and Ag loaded TiO₂ (0.5-2 wt%).

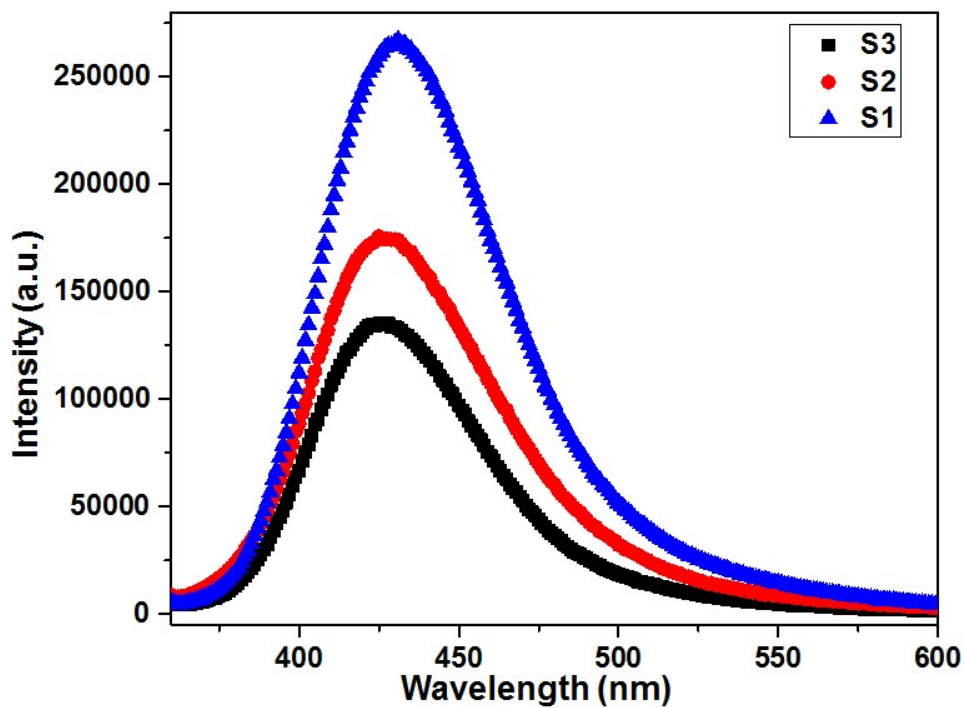


Fig.S3. ROS (*OH) identification with various AgNPs (S1, S2 and S3).

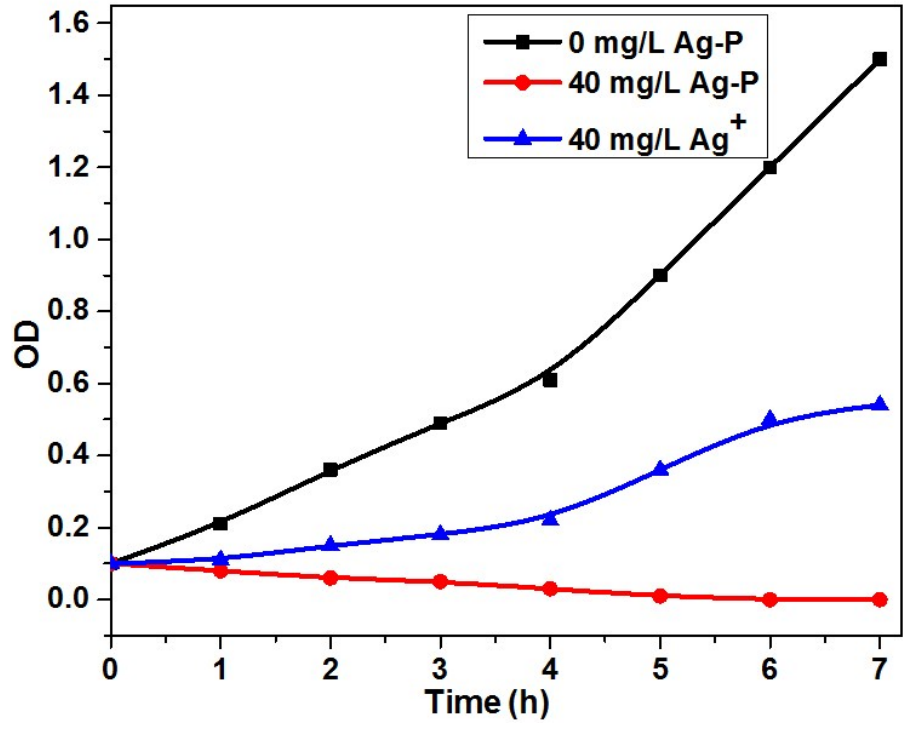


Fig.S4. Bacterial inactivation with Ag⁺ ions and AgNPs.

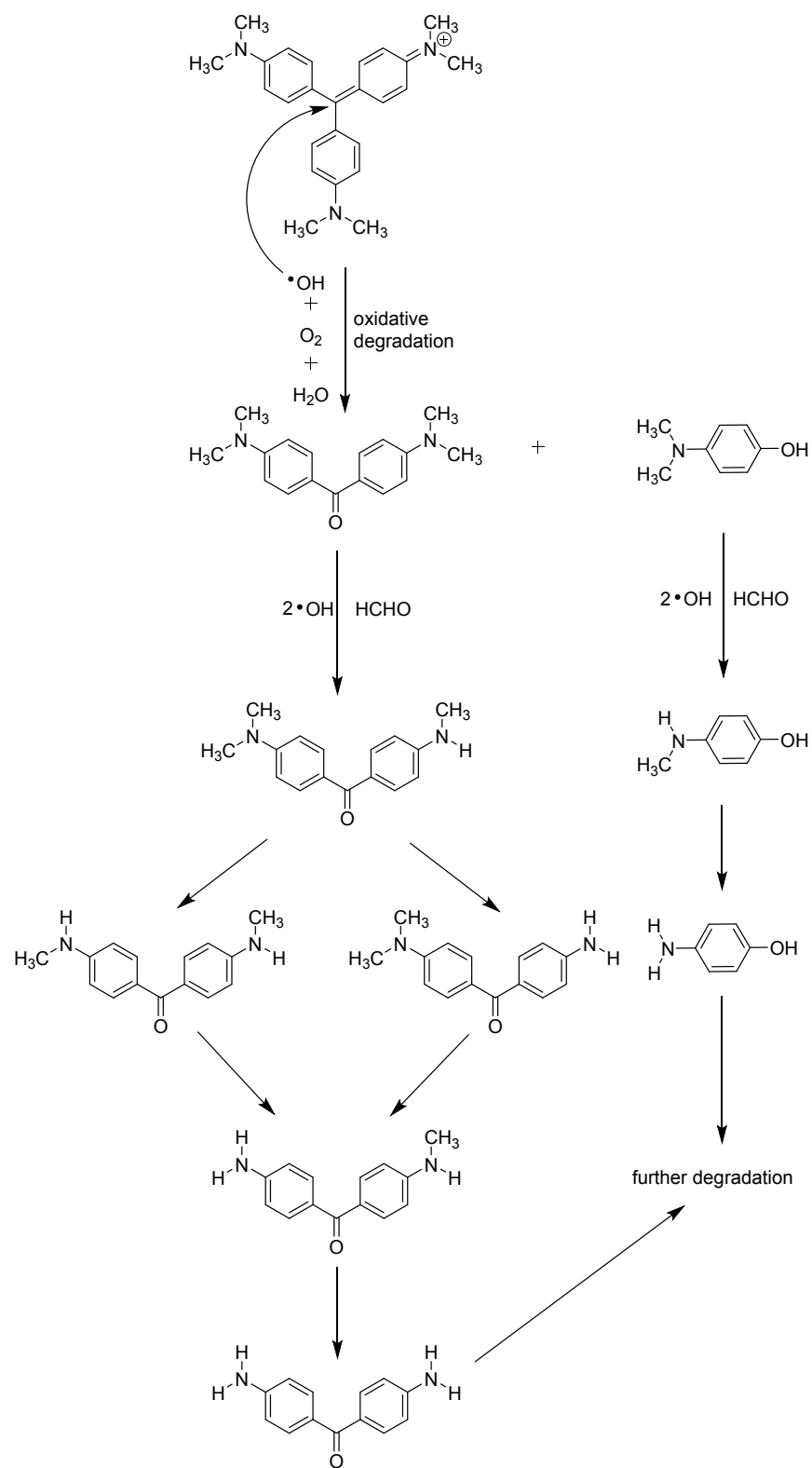


Fig.S5. A plausible mechanism of CV degradation