



Article

Phototransformation of Graphene Oxide on the Removal of Sulfamethazine in a Water Environment

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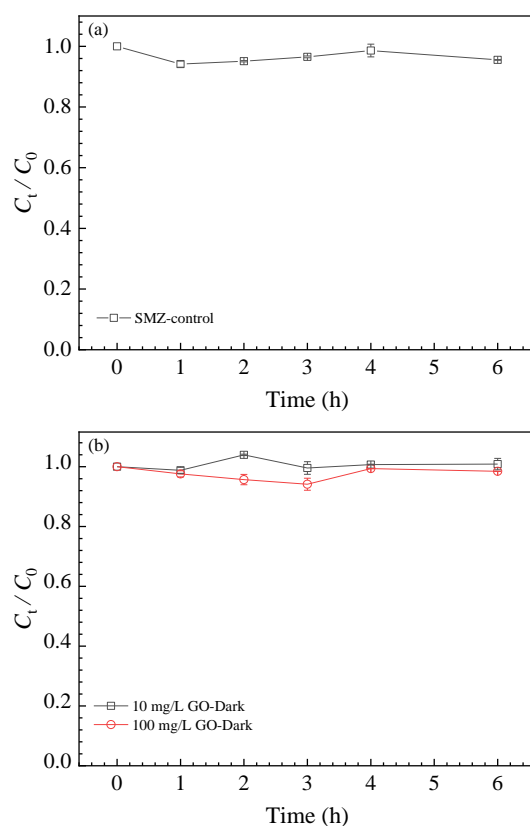


Figure S1. Photolysis kinetics of SMZ (5 μ M) under UV light without GO (a) and the adsorption of SMZ (5 μ M) by GO (10 and 100 mg/L) in the dark within 6 h (b).

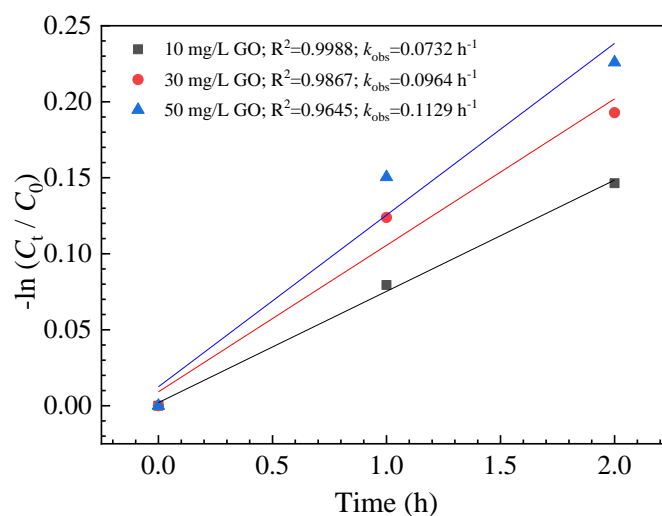


Figure S2. Pseudo first-order fitting results for SMZ degradation kinetics under various GO concentrations (10-50 mg/L).

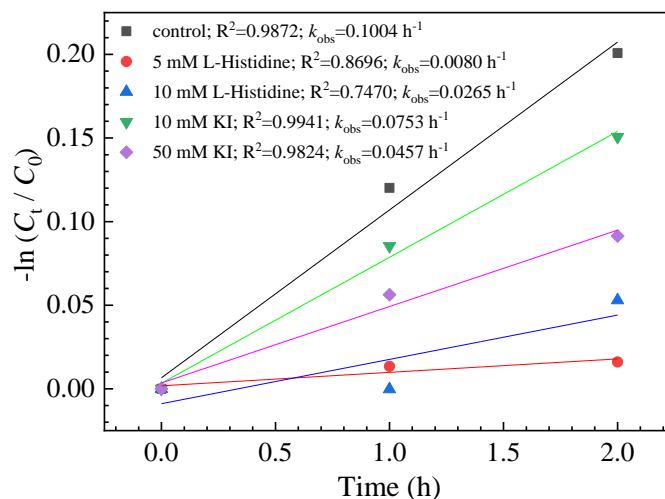


Figure S3. Pseudo first-order kinetics fitting for kinetics of SMZ degradation with L-histidine and KI.

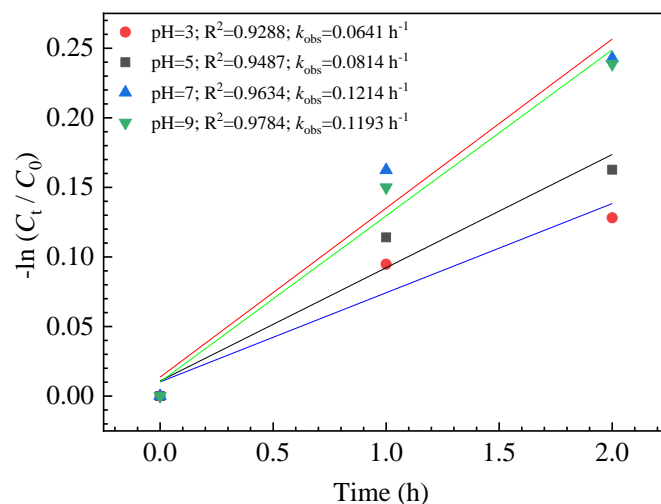


Figure S4. Pseudo first-order kinetics fitting for kinetics of SMZ degradation at pH 3.0-9.0.



Figure S5. Changes in the color of GO under UV light as a function of irradiation time.

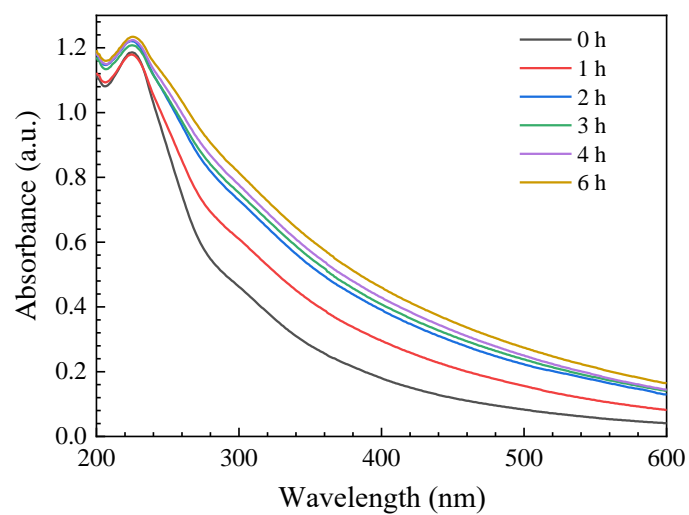


Figure S6. Variation of GO absorbance with time under light.

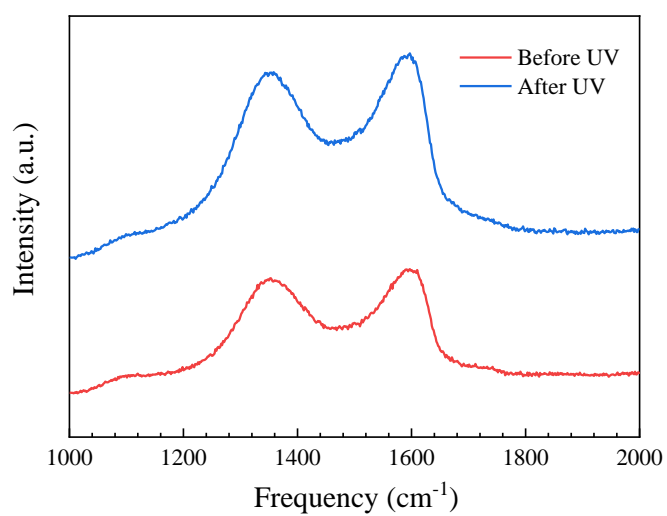


Figure S7. Raman spectra of GO before and after UV illumination.