

Supporting Information

TiO₂–SiO₂ Janus Particles with highly enhanced photocatalytic activity

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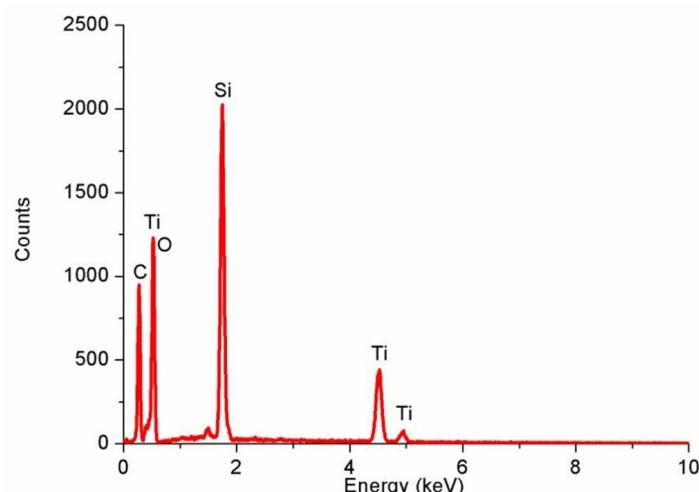


Figure S1. EDX analysis of SiO₂–TiO₂ core-shell particles.

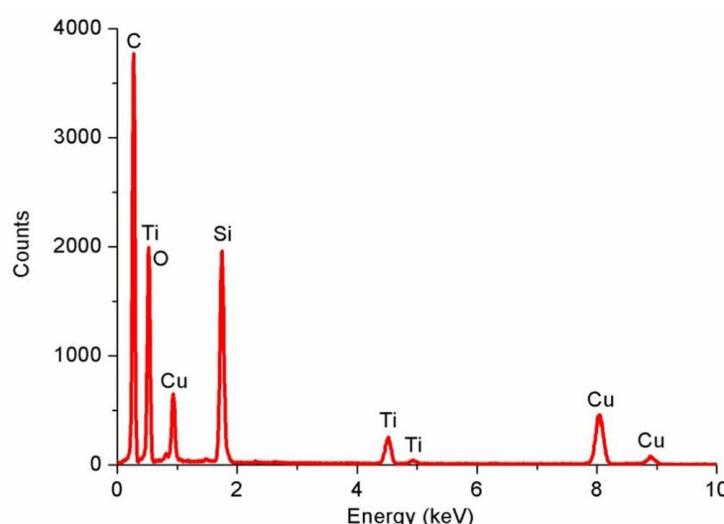


Figure S2. EDX analysis of TiO₂–SiO₂ Janus particles.

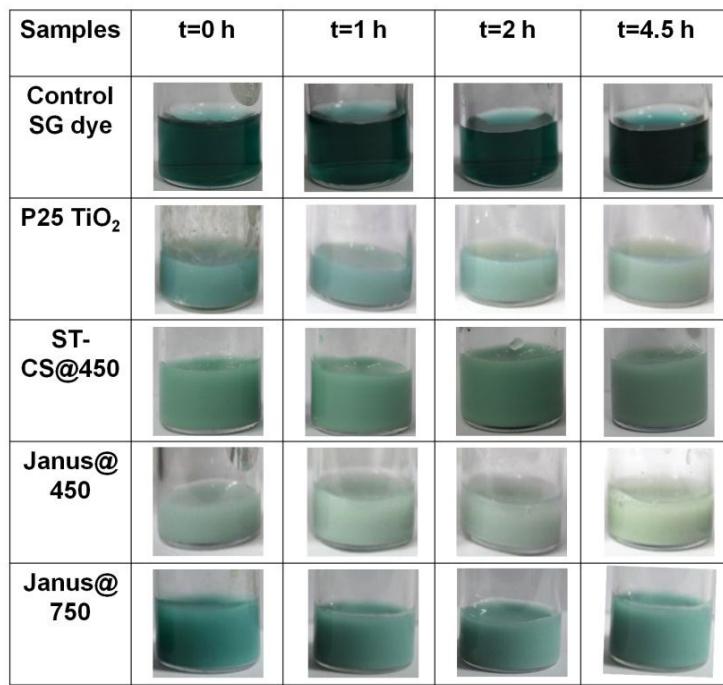


Figure S3. Images of Solophenyl green dye solutions containing different TiO₂ nanoparticles with varying duration of UV exposure.

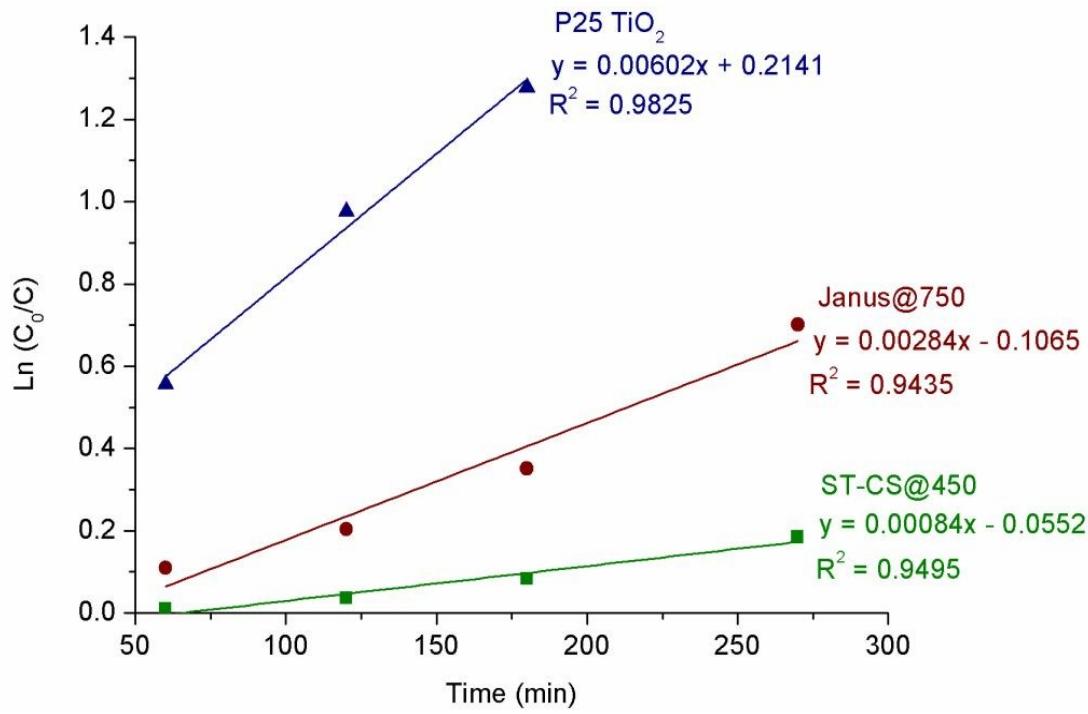


Figure S4. The kinetic curves for degradation of Solophenyl green dye using P25 TiO₂, ST-CS@450 and Janus@750 at the TiO₂ concentration of 50 mg/L.

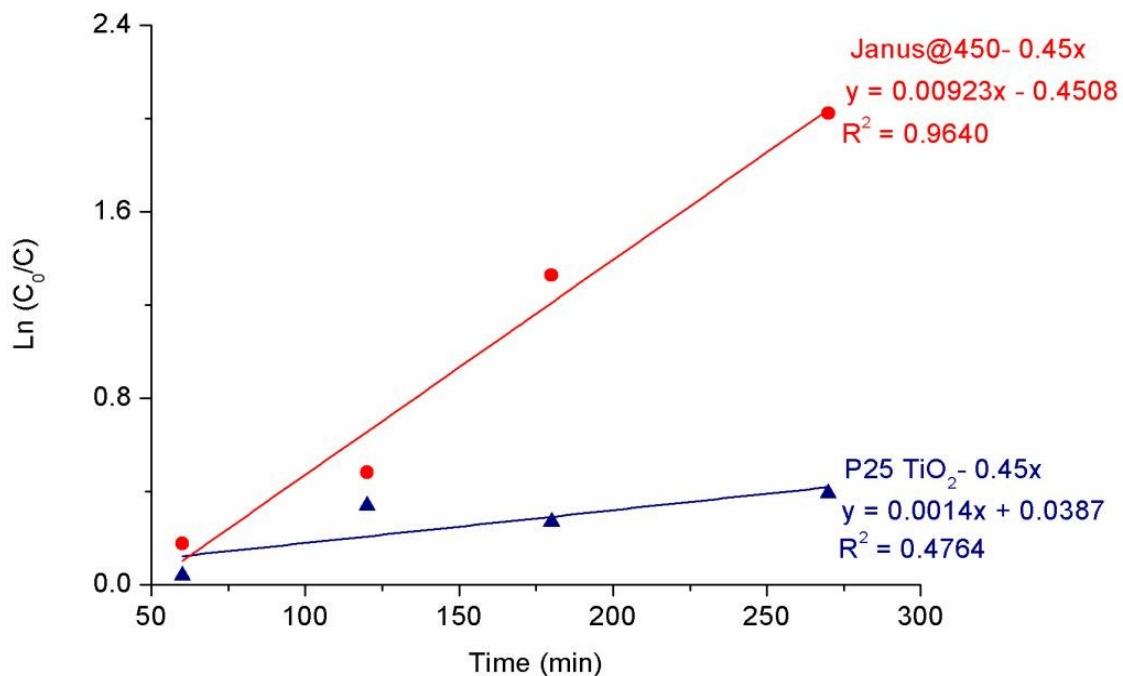


Figure S5. The kinetic curves for degradation of Solophenyl green dye using P25 TiO₂ and Janus@450 at TiO₂ concentration of 22.5 mg/L (0.45 times).