

Supplementary Materials

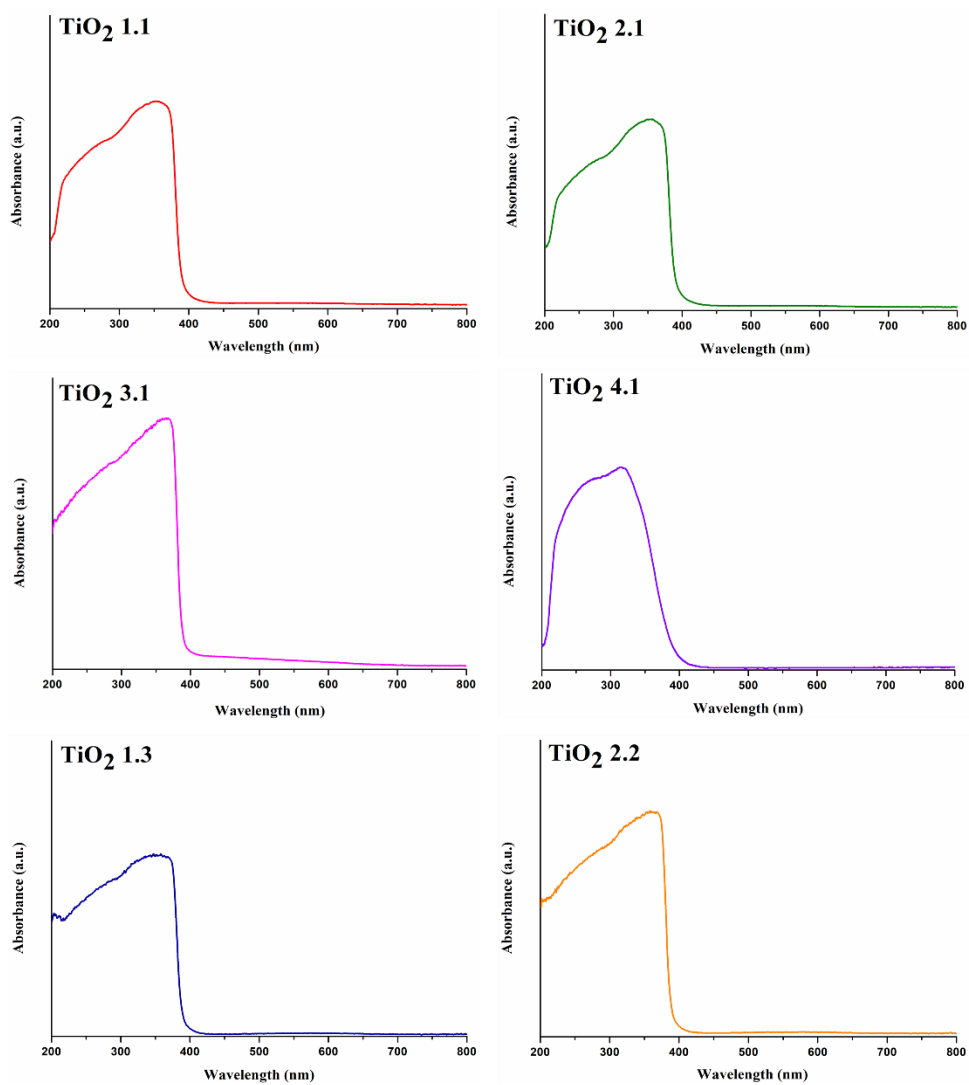


Figure S1. UVDR spectra for the synthesized titania samples, considering various ultrasonication regimes.

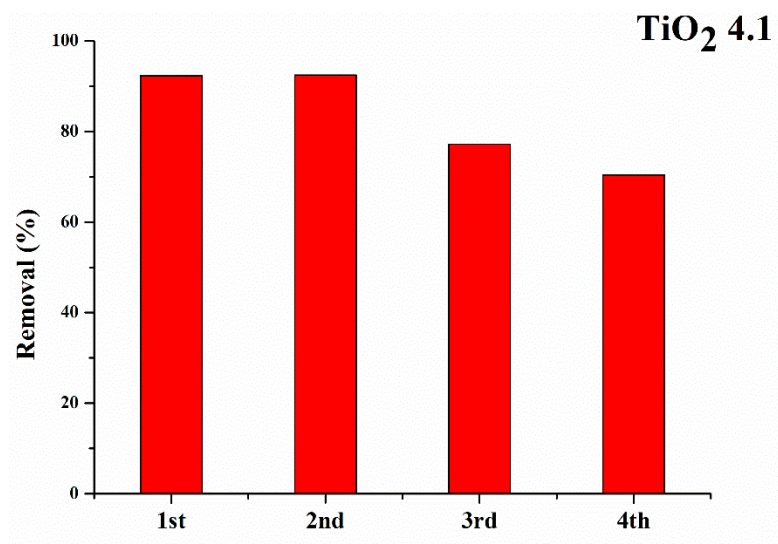


Figure S2. The reusability of TiO₂ 4.1 sample for four cycles of application for CR photodegradation.

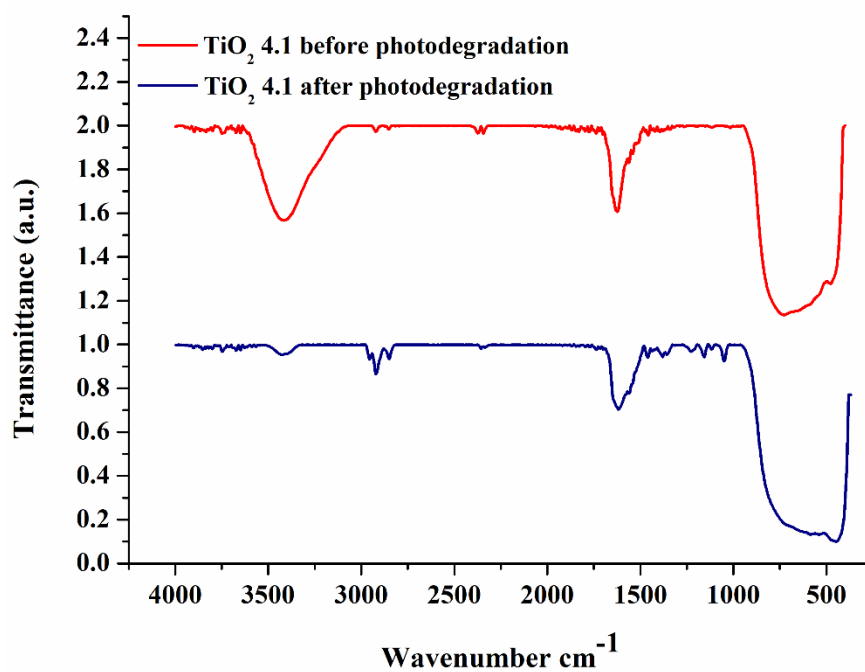


Figure S3. FTIR spectra of TiO₂ 4.1 sample before and after photodegradation test of CR dye.