

Photocatalytic Activity of $\text{TiO}_2/\text{g-C}_3\text{N}_4$ Nanocomposites for Removal of Monochlorophenols from Water

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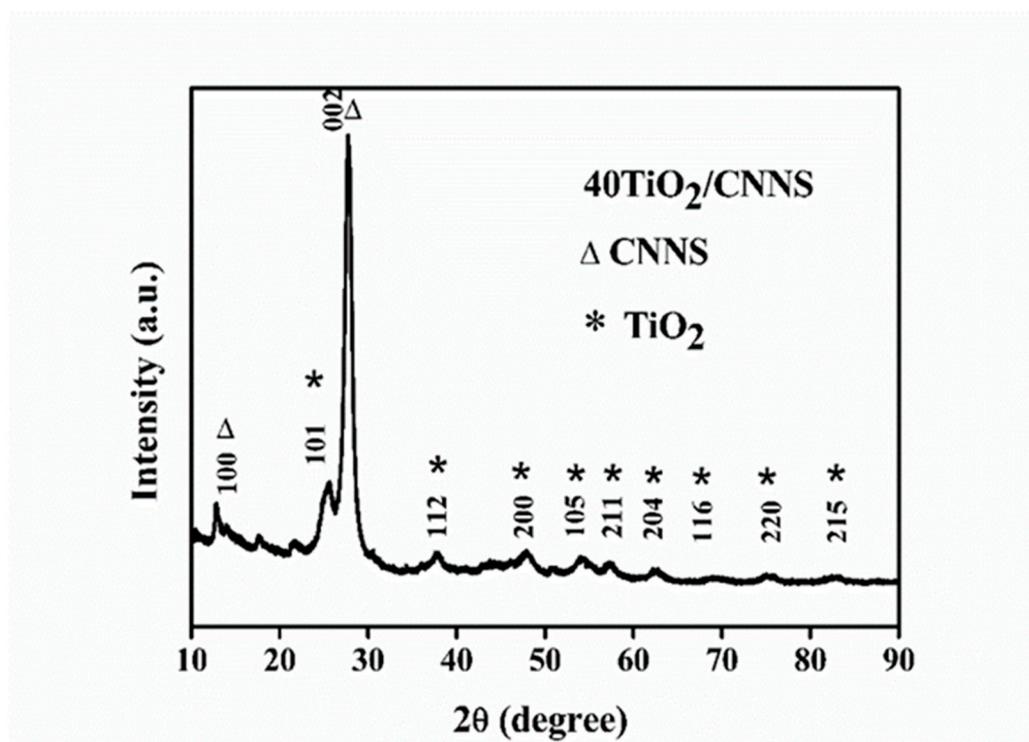


Figure S1. Enlarged powder X-ray diffraction profile of the 40TiO₂/CNNS composite.

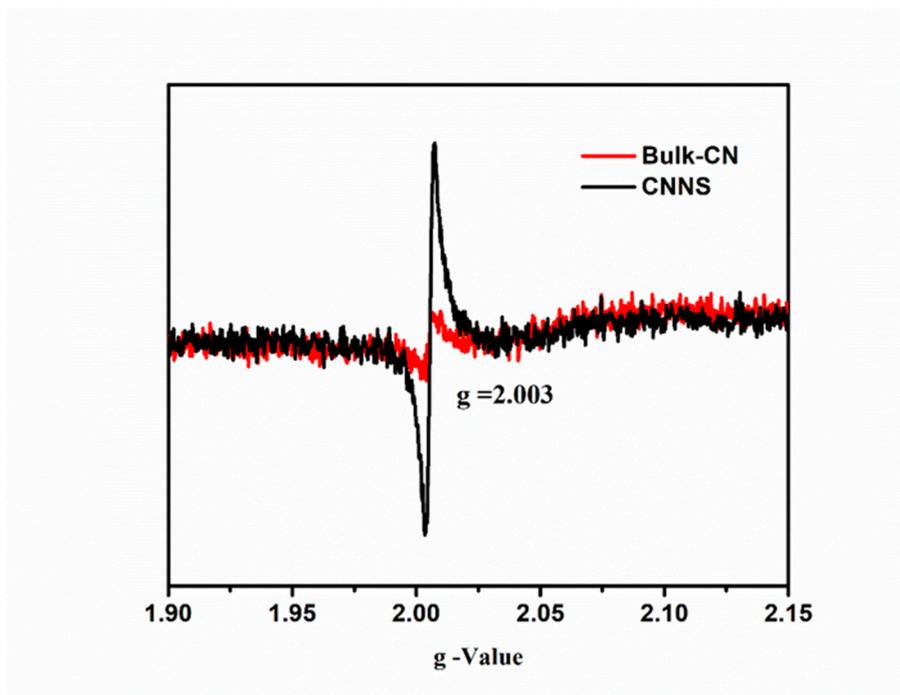


Figure S2. Solid phase ESR spectra of bulk-CN (red) and CNNS (black).

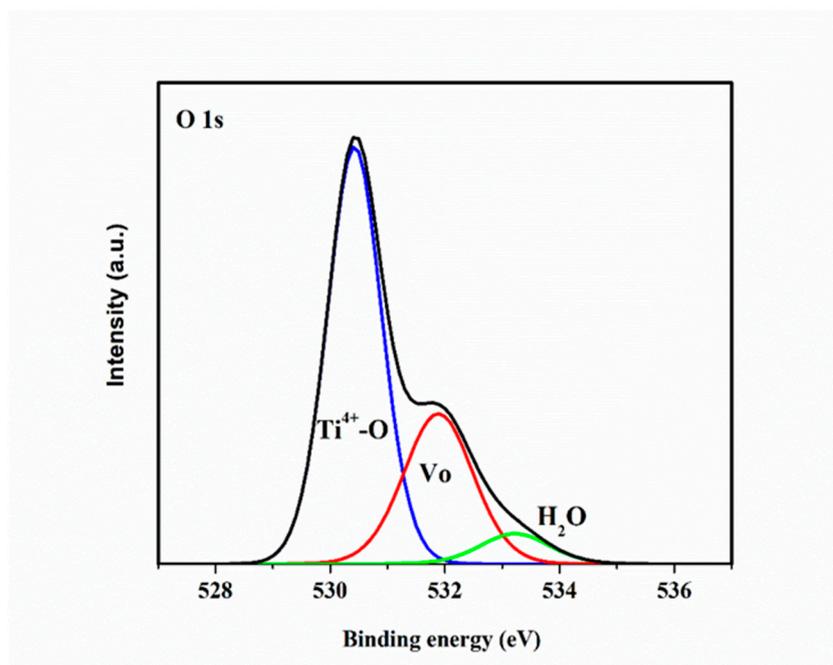


Figure S3. Convolution fitting for the O 1s XPS spectrum in TiO₂.

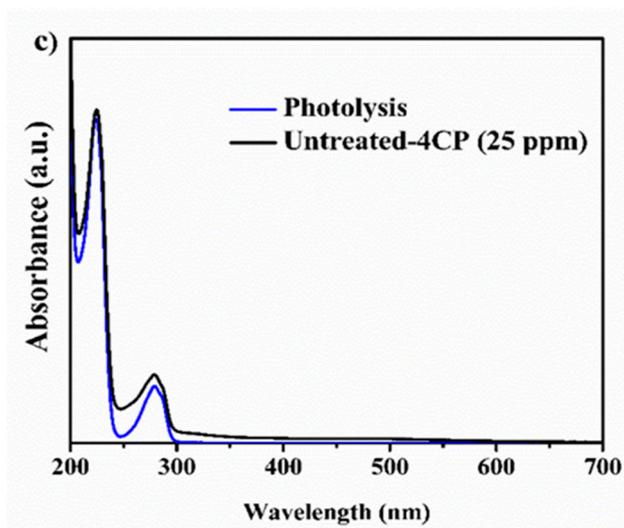
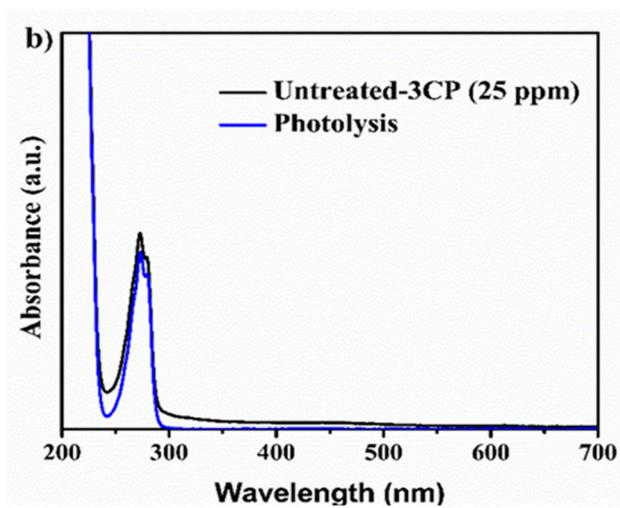
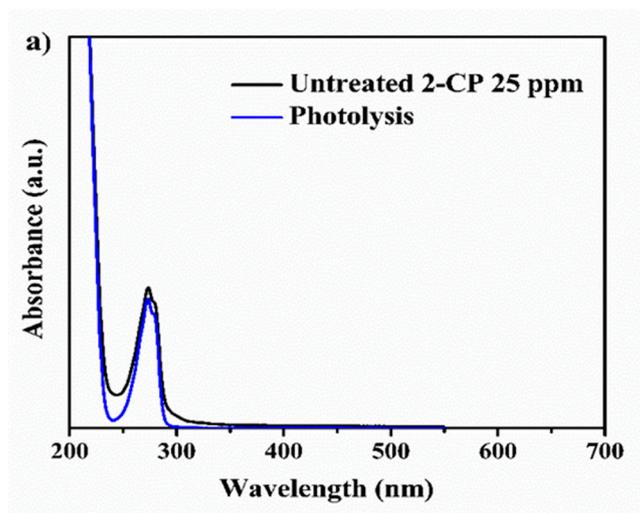


Figure S4. UV-vis spectra for photolysis of (a) 2-CP, (b) 3-CP and (c) 4-CP aqueous solutions in the absence of catalyst.

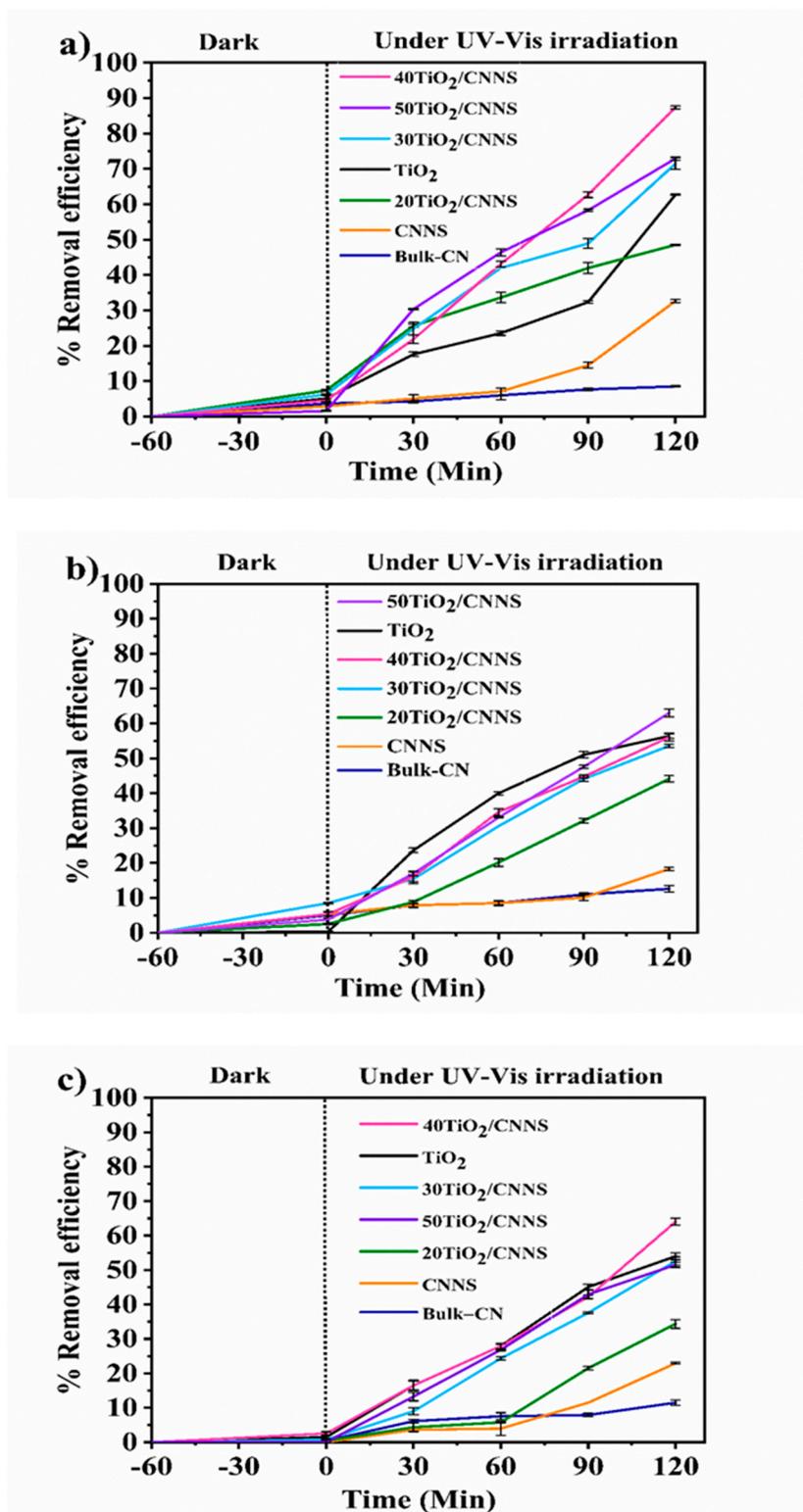


Figure S5. Time-dependent photocatalytic degradation of (a) 2-chlorophenol, (b) 3-chlorophenol, and (c) 4-chlorophenol when treated with g-C₃N₄, TiO₂ and composites under UV-Vis irradiation (25 ppm pollutant, 1g/L catalyst loading).

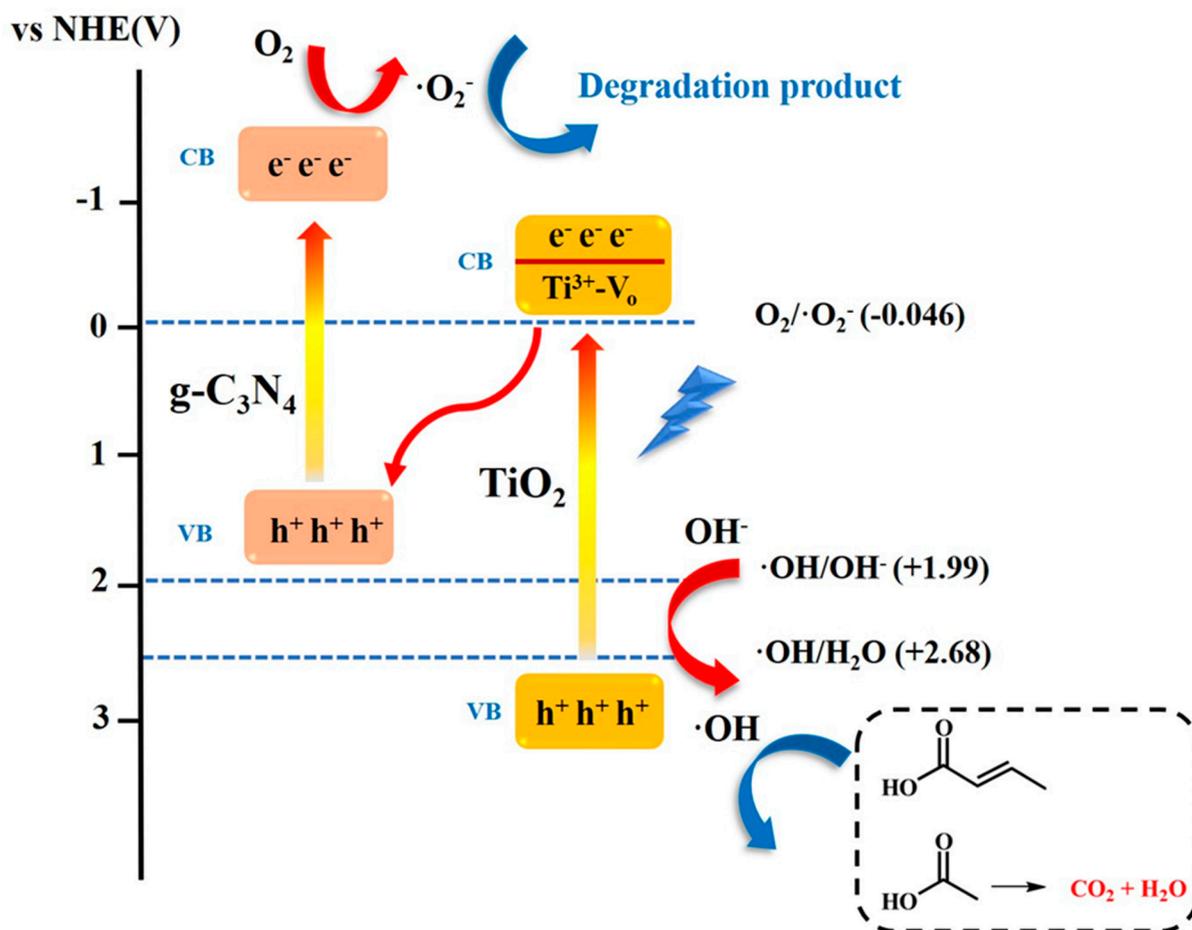


Figure S6. Photocatalytic mechanism of utilizing 40TiO₂/CNNS for MCPs degradation.