

Supplementary Information

C, N co-doped Porous TiO₂ Hollow Spheres Visible Light Photocatalysts for Efficient Removal of High-Toxic Phenolic Pollutants

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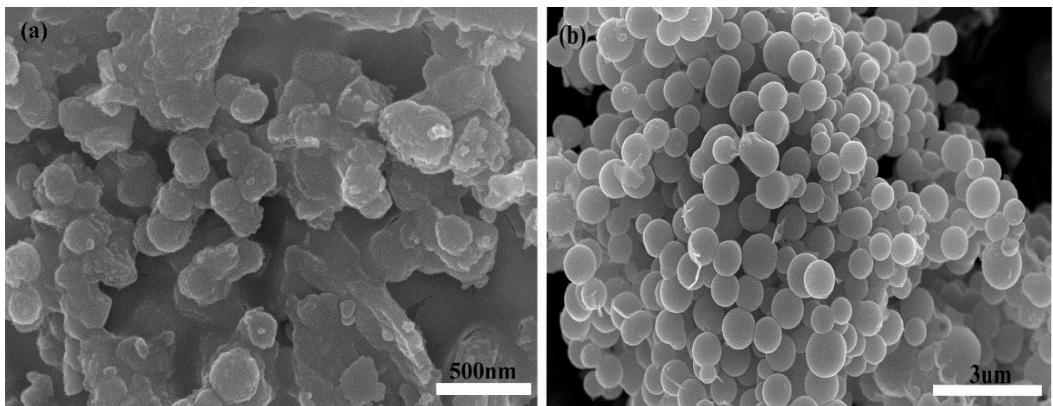


Figure S1. The SEM images of fabrication TiO_2 hollow spheres (a) using excessive amounts of the soft template, (b) using suitable amounts of the soft template.

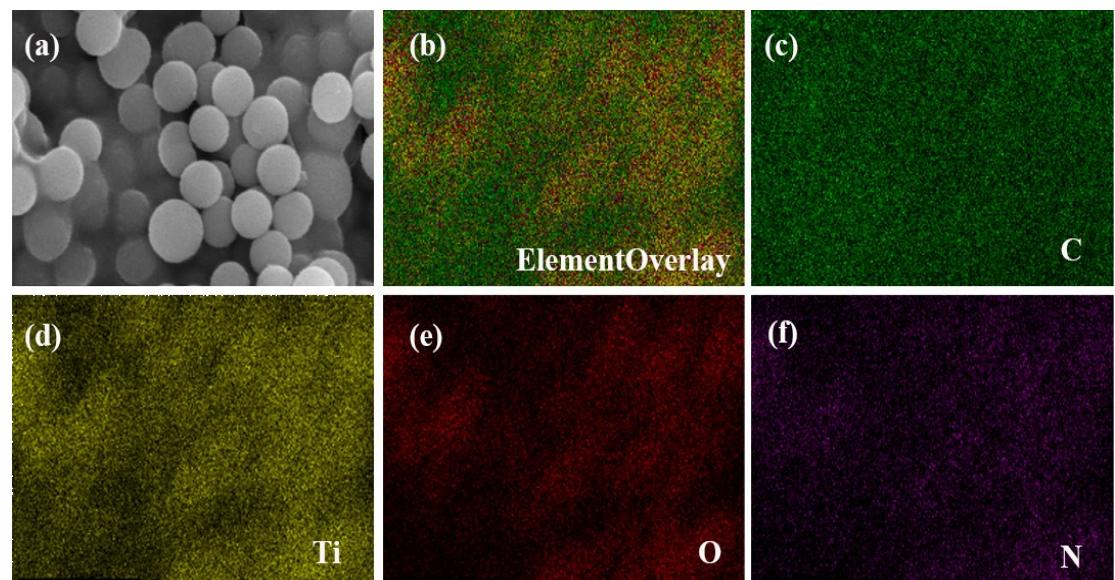


Figure S2. The SEM image and the corresponding EDX mapping of HPT 550 for different elements.

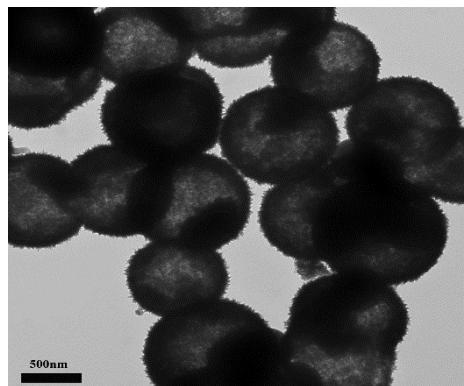


Figure S3. The TEM image of HPT 550.

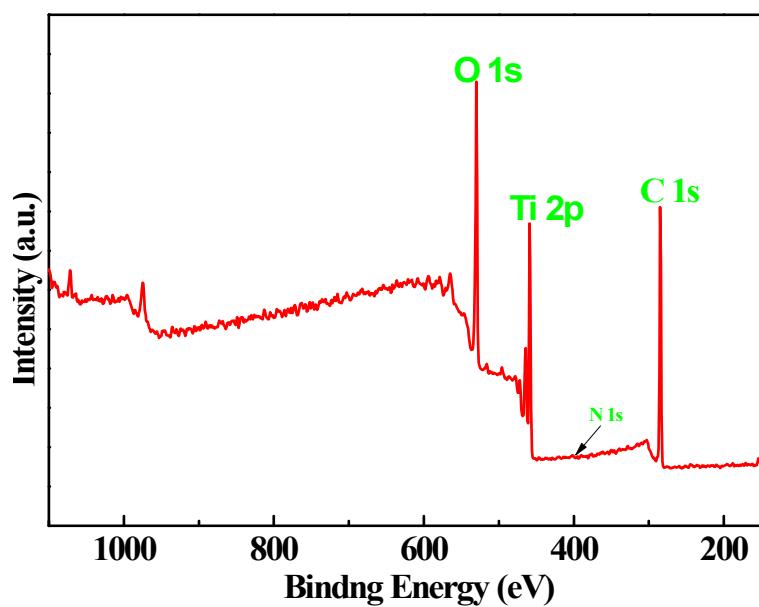


Figure S4. The full-scale XPS spectrum of HPT 550.

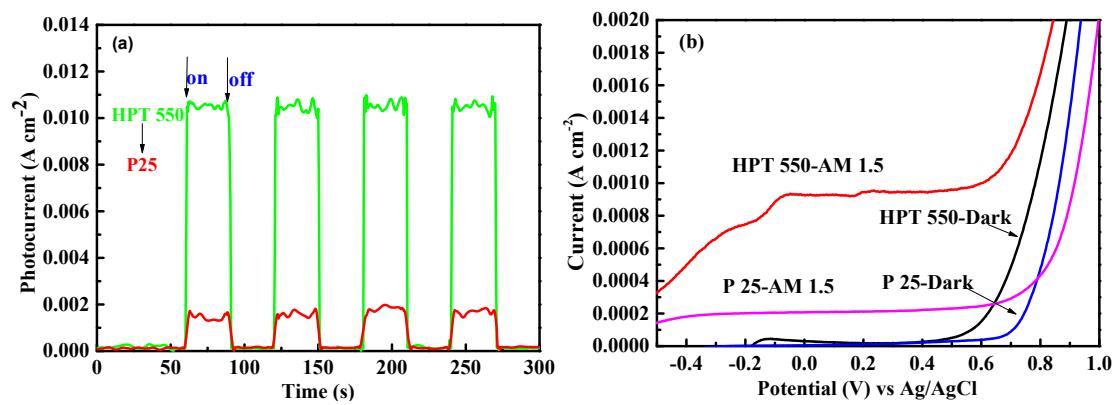


Figure S5. The transient photocurrent response (I-T curve) (a) and Linear sweep voltammograms (LSV) in the dark and under AM 1.5 of HPT 550 and P25, respectively.

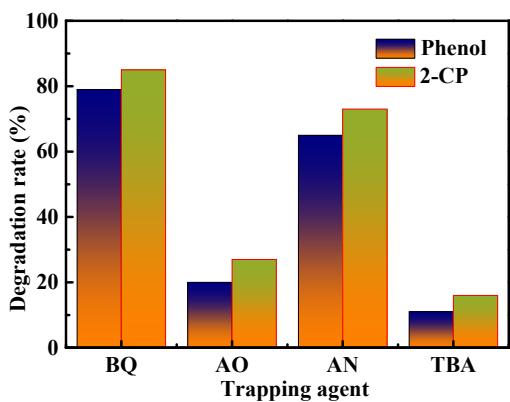


Figure. S6 Comparison of the photocatalytic performance of HPT 550 for the degradation of phenol and 2-CP with adding TBA, BQ, AN and AO under visible light irradiation.