

Preparation of phenyl group functionalized g-C₃N₄ nanosheets with extended electron delocalization for enhanced visible-light photocatalytic activity

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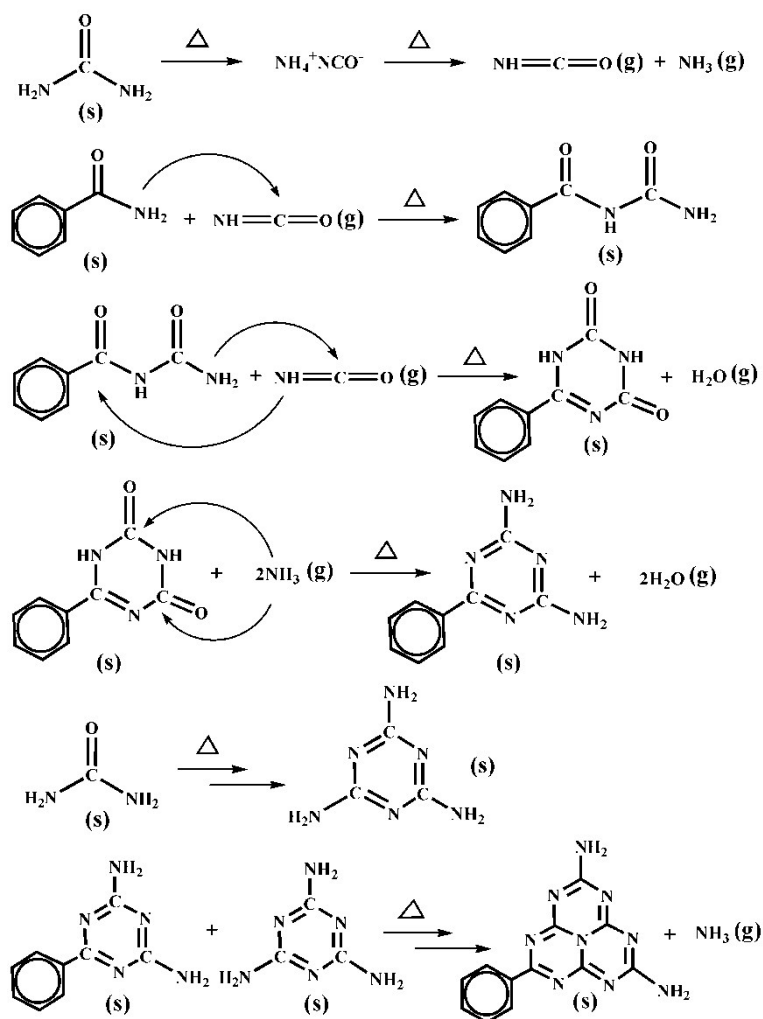


Figure S1. The proposed reaction mechanism of co-polymerization steps for urea and benzamide

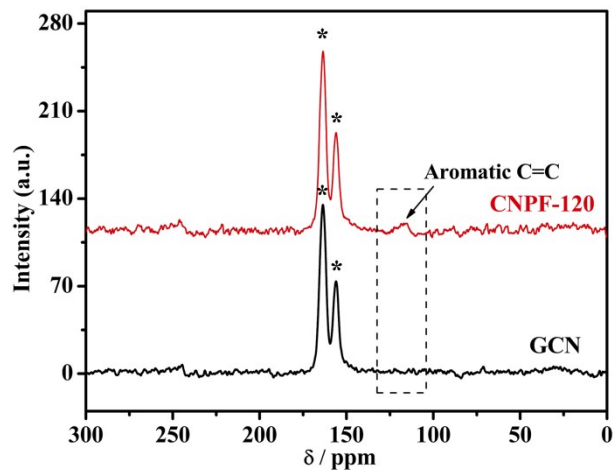


Figure S2. Solid-state ^{13}C NMR spectra of GCN and CNPF-120 samples.

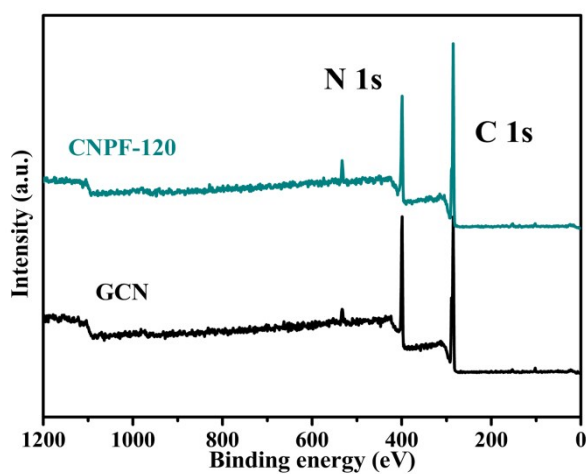


Figure S3. XPS survey spectra of GCN and CNPF-120.

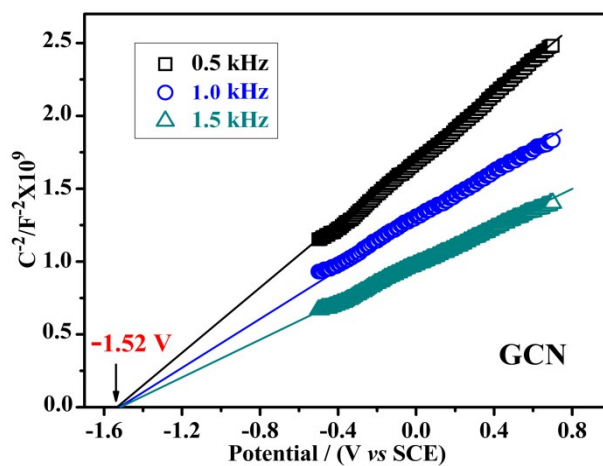


Figure S4. Mott-Schottky plots of GCN with the frequency of 0.5, 1.0 and 1.5 kHz.

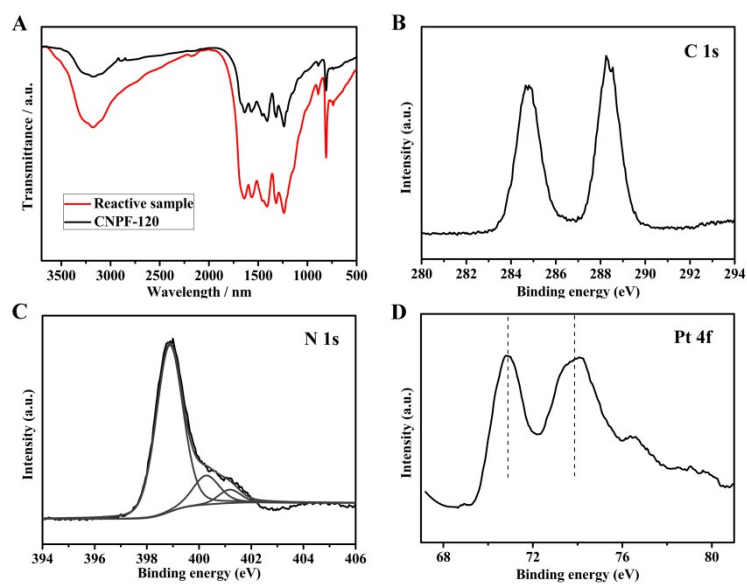


Figure S5. A) FT-IR and B-D) high-resolution XPS spectra of CNPF-120 after photocatalytic reaction.

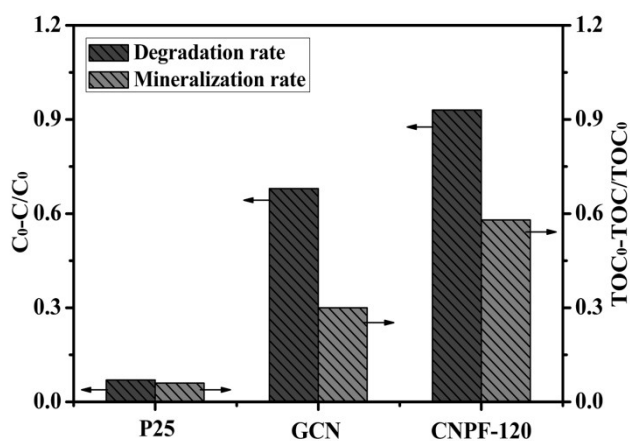


Figure S6. Changes of TOC for photo-degradation of RhB over different photocatalysts.