Supporting Information

Synthesis and Enhanced Cr(VI) Photoreduction Property of Formate Anion Containing Graphitic Carbon Nitride

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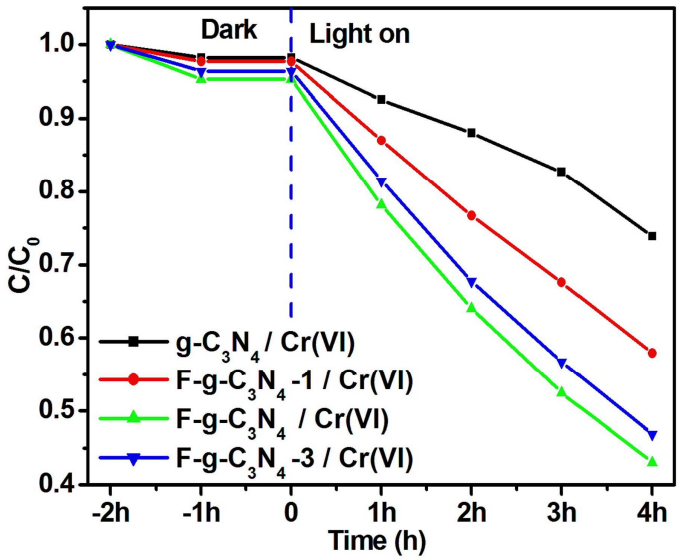

Figure S1. The photoreduction of Cr(VI) in the presence of different photocatalysts under visible light. F-g-C_3N_4-1, F-g-C_3N_4 and F-g-C_3N_4-3 represent formate anion included g-C_3N_4 samples and the mass ratios of sodium formate and g-C_3N_4 were 1 : 100, 2 : 100 and 3 : 100, respectively.

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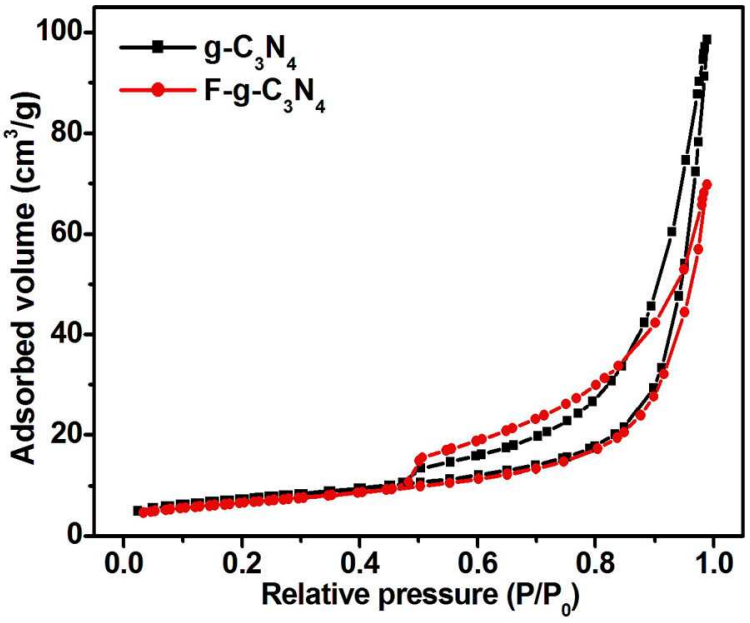

Figure S2. N_2 adsorption-desorption isotherms of g-C_3N_4 and F-g-C_3N_4.

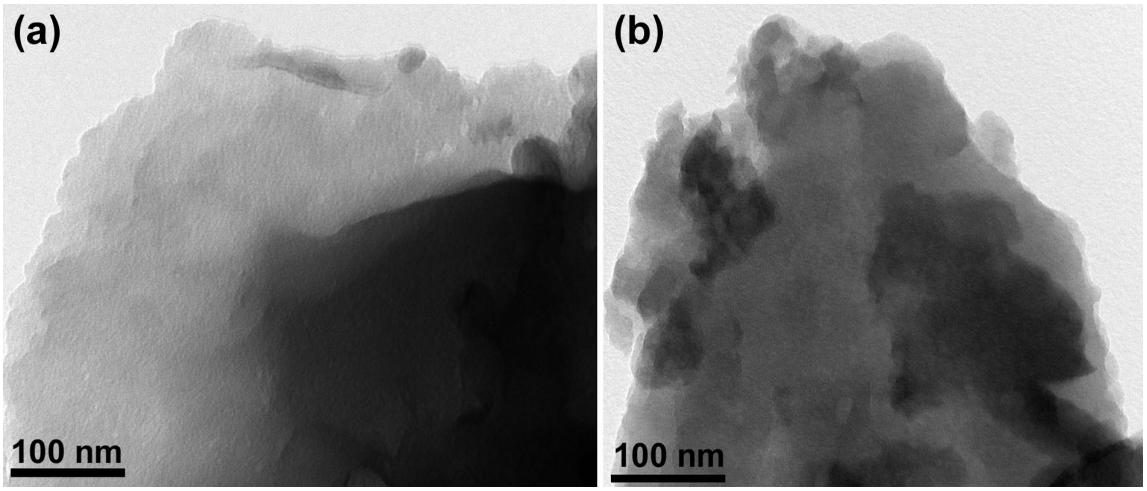

Figure S3. TEM images of g-C_3N_4 (a) and F-g-C_3N_4 (b).

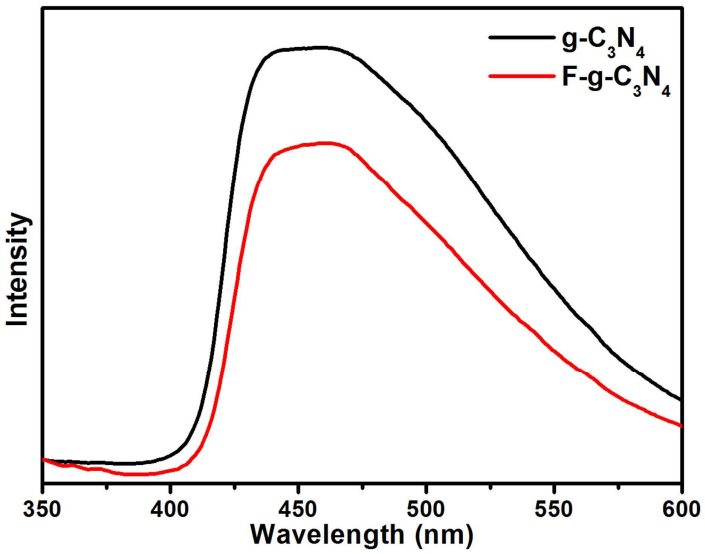

Figure S4. PL spectra of g-C_3N_4 and F-g-C_3N_4.

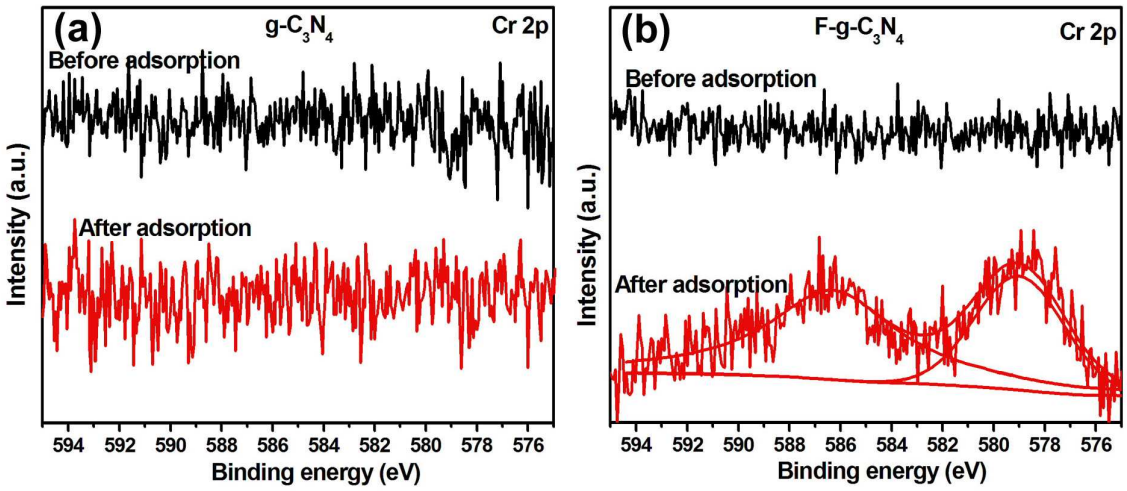

Figure S5. High-resolution XPS spectra of Cr 2p of g-C_3N_4 and F-g-C_3N_4 before and after Cr(VI) adsorption.