

Supporting Information

Enhanced sensing performance of supported graphitic carbon nitride nanosheets and the fabrication of electrochemiluminescent biosensors for IgG

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Figure S1. Photograph of colloidal dispersion of g-C₃N₄ nanosheets in water.

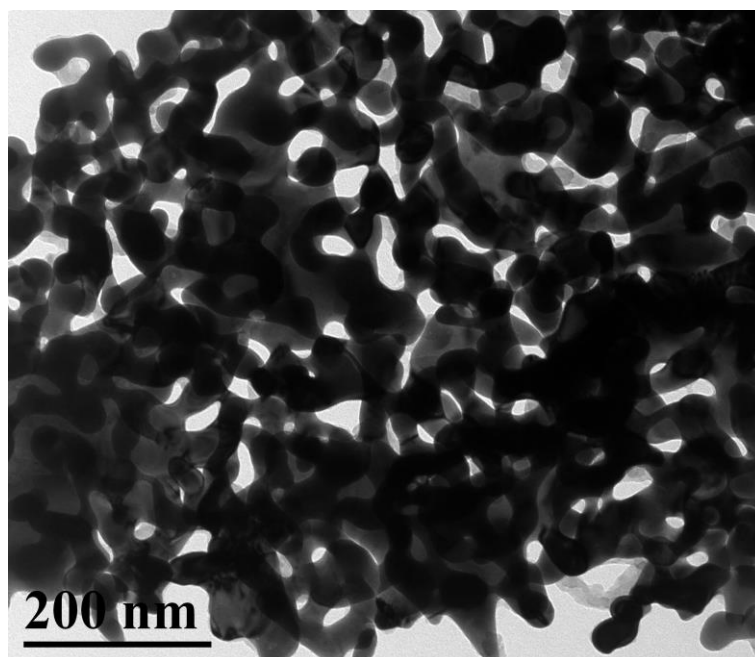


Figure S2. TEM image of NPG.

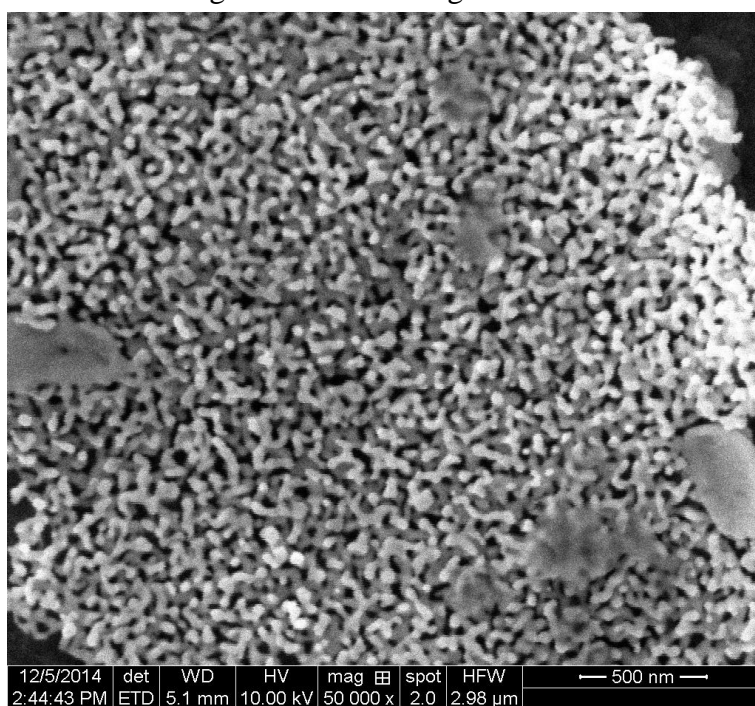


Figure S3. SEM image of g-C₃N₄@NPG.

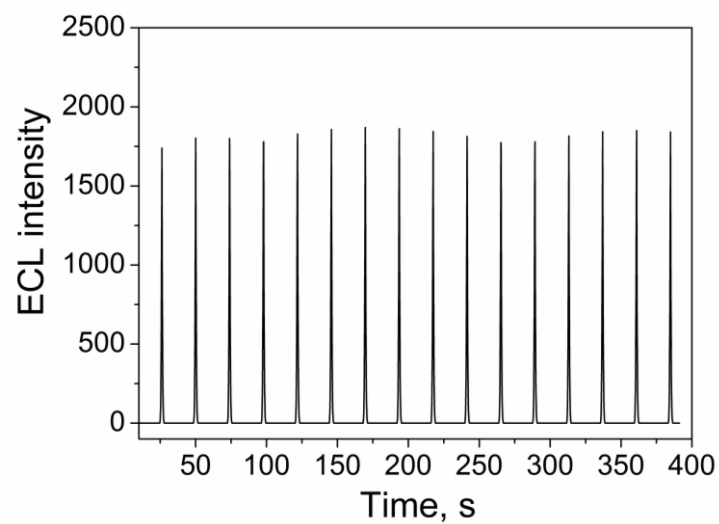


Figure S4. ECL emission from C_3N_4 /GCE.

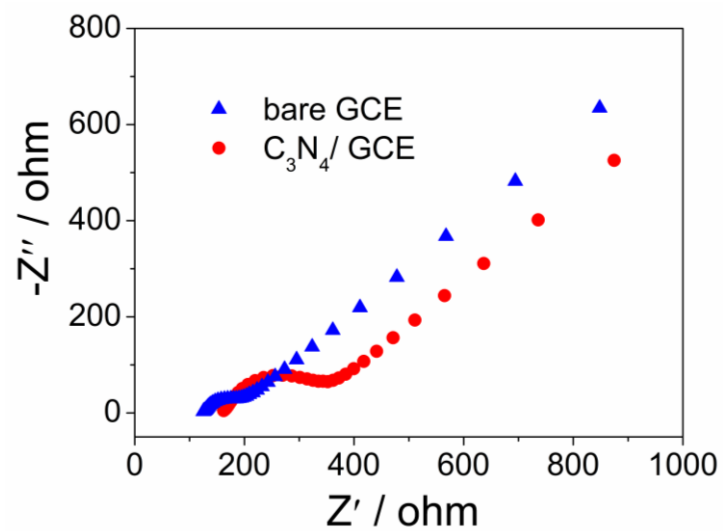


Figure S5. EIS of bare GCE and $g-C_3N_4$ /GCE.

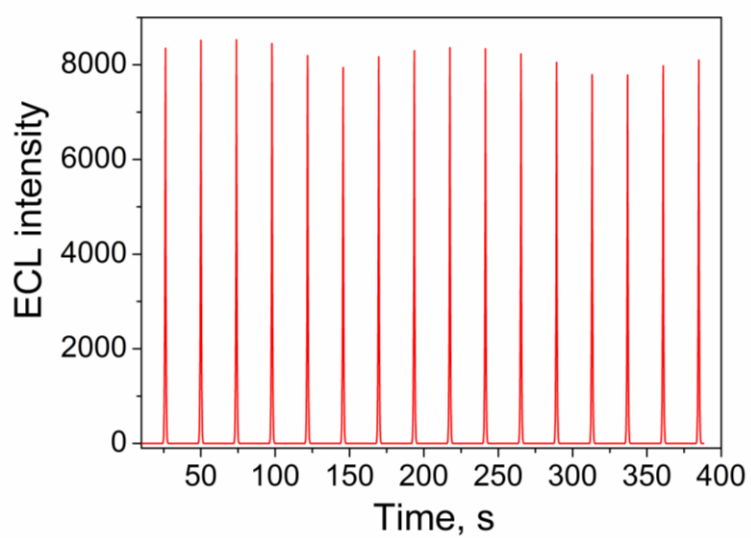


Figure S6. ECL emission from $g-C_3N_4$ @NPG/GCE.

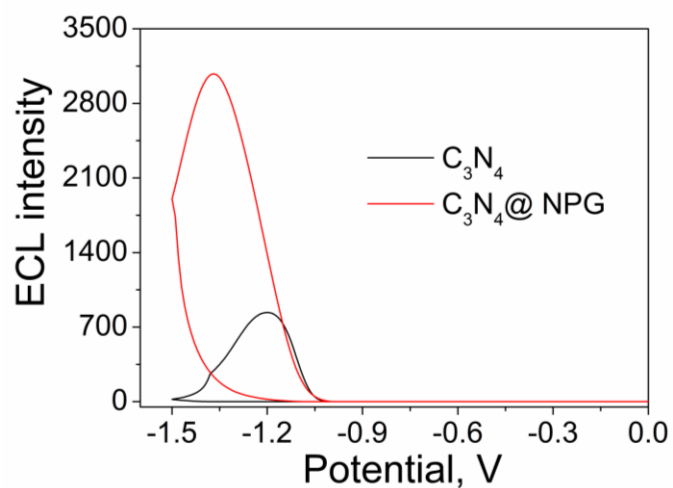


Figure S7. ECL responses obtained at g- C_3N_4 /GCE and g- C_3N_4 @NPG/GCE.

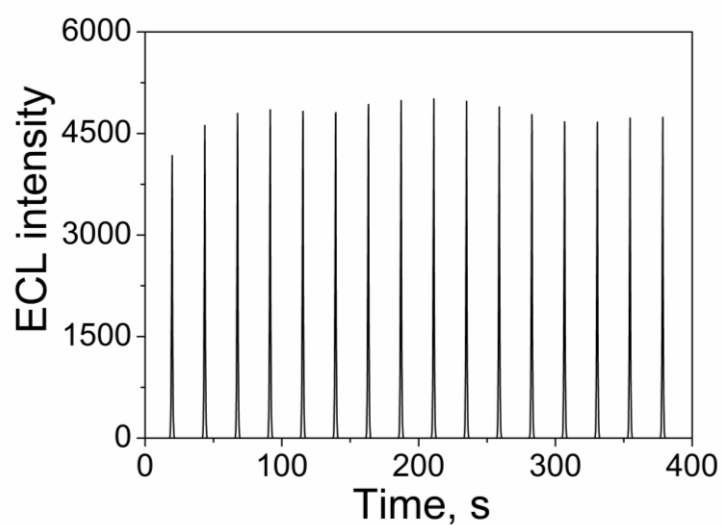


Figure S8. ECL emission from BSA/anti-IgG/ C_3N_4 @NPG/GCE.

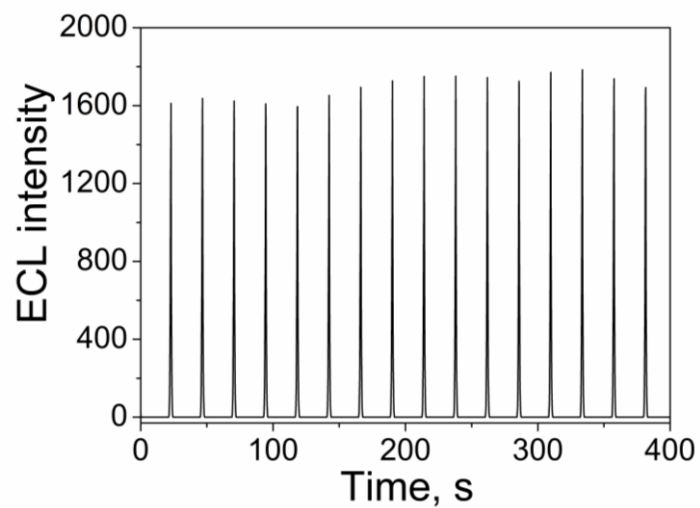


Figure S9. ECL emission from IgG/anti-IgG/g- C_3N_4 @NPG/GCE. The IgG concentration is $5.0 \text{ ng} \cdot \text{mL}^{-1}$.

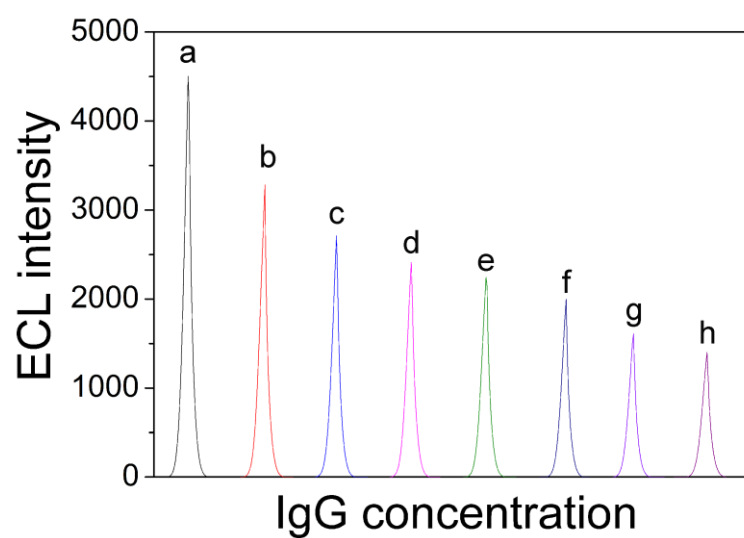


Figure S10. ECL emission from IgG/anti-IgG/g-C₃N₄@NPG/GCE. The IgG concentration is (a) 0.005, (b) 0.01, (c) 0.25, (d) 0.5, (e) 1.0, (f) 2.5, (g) 5.0, (h) 10.0 ng·mL⁻¹.