

Facile synthesis of highly fluorescent free-standing films comprising of graphitic carbon nitride (g-C₃N₄) nanolayers

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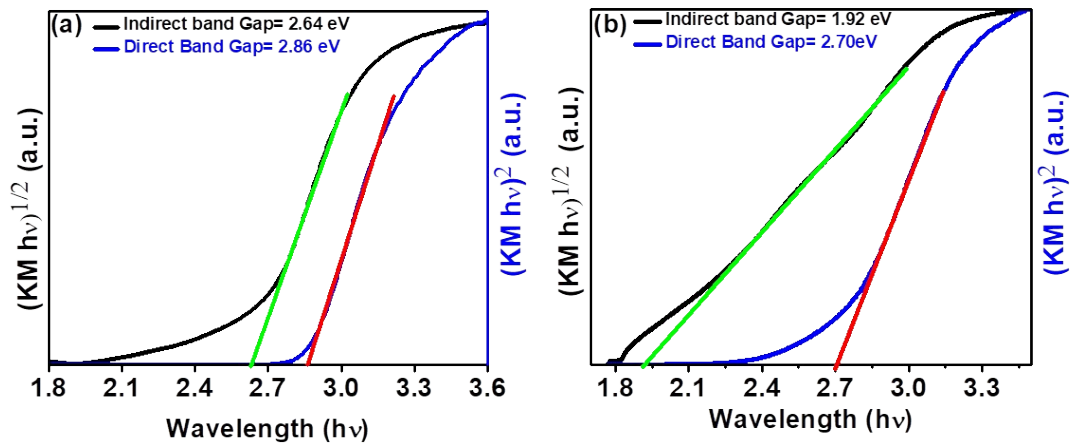


Fig. S1: Band gap Calculations using modified Kubelka–Munk (K–M) function (a) for g-C₃N₄ film and (b) g-C₃N₄ powder.

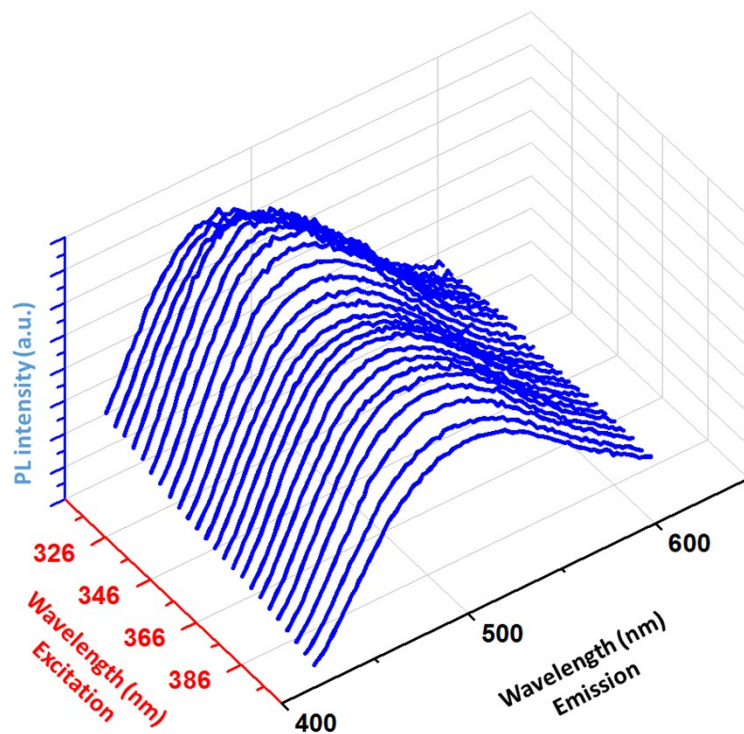


Fig. S2 Excitation dependent PL emission spectra of g-C₃N₄ powder.

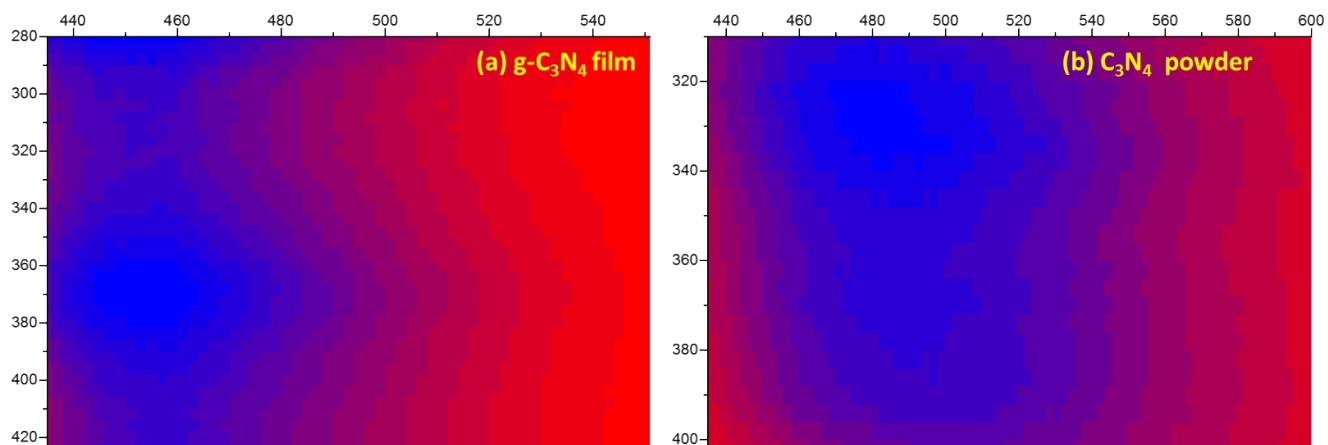


Fig. S3: Emission profile of (a) C_3N_4 film and (b) $g\text{-C}_3\text{N}_4$ powder.

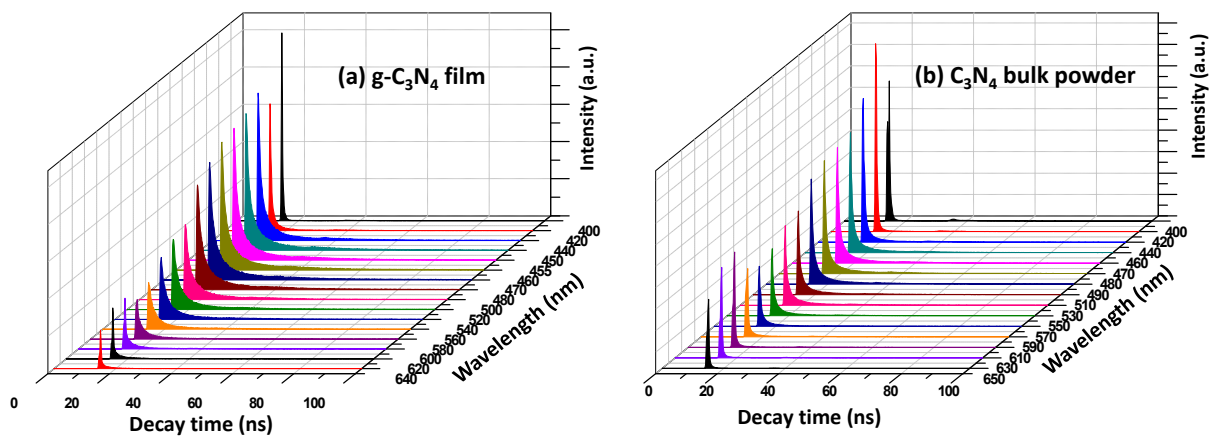


Fig. S4 Fluorescence decay spectra of (a) $g\text{-C}_3\text{N}_4$ film and (b) $g\text{-C}_3\text{N}_4$ powder at different excitation wavelength.