

Fabrication of a Ternary Nanocomposite g-C₃N₄/Cu@CdS with Superior Charge Separation for Removal of Organic Pollutants and Bacterial Disinfection from Wastewater under Sunlight Illumination

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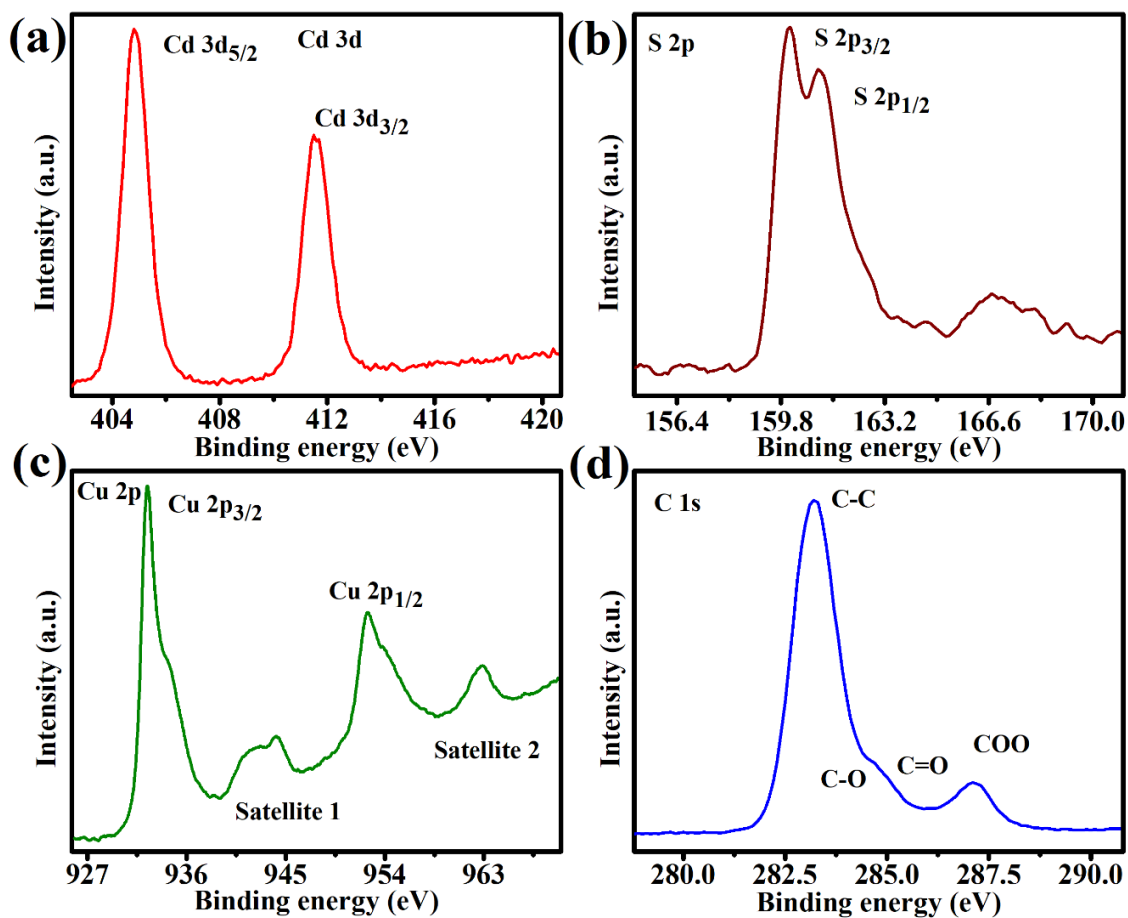


Figure S1. High-resolution XPS spectra of 5% g-C₃N₄/Cu@CdS nanocomposite; (a) Cd 3d, (b) S 2p, (c) Cu 2p and (d) C 1s.

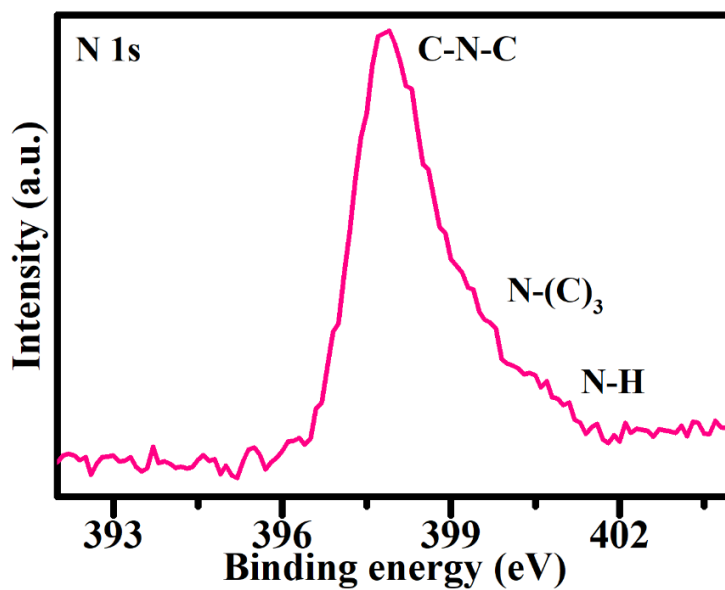


Figure S2. High-resolution N 1s XPS spectra of 5% g-C₃N₄/Cu@CdS nanocomposite.

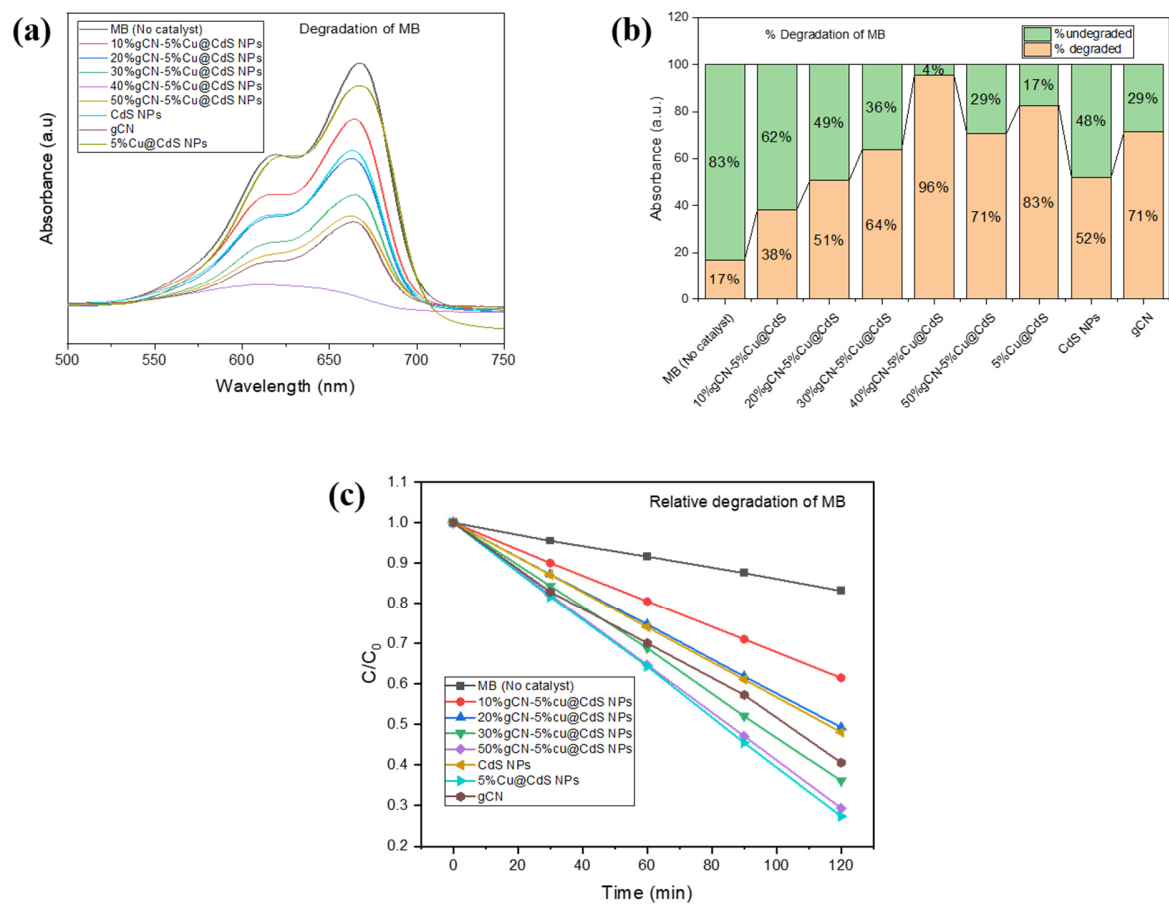


Figure S3. UV-Visible Spectra of Photocatalytic degradation of Methylene Blue with g-C₃N₄, CdS NPs, Cu doped CdS NPs (a) Absorption curves (b) Percentage dye degradation (c) Relative degradation curves C/C_0 .

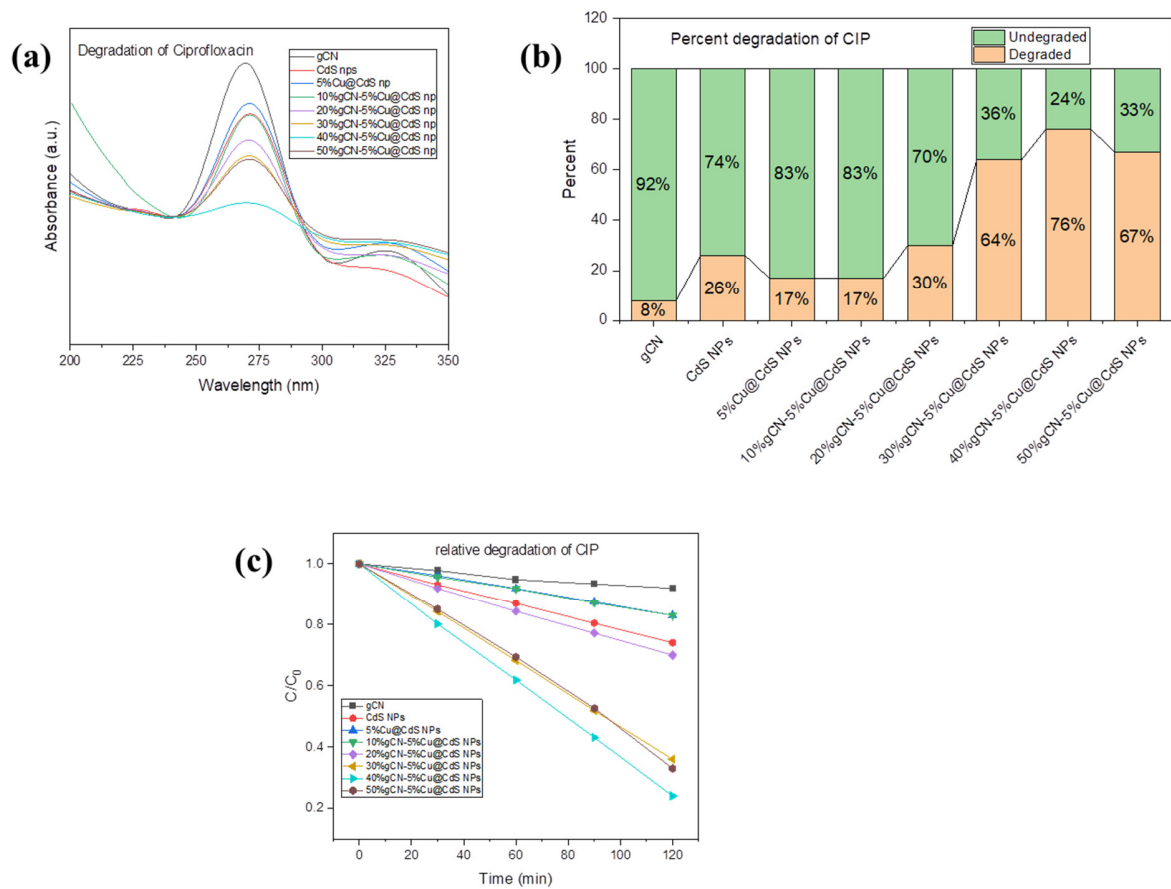


Figure S4. UV-Visible Spectra of Photocatalytic degradation of Ciprofloxacin with g-C₃N₄, CdS NPs, Cu doped CdS NPs (a) Absorption curves (b) Percentage dye degradation (c) Relative degradation curves C/C_0 .