

Supplementary file

Single step microwave synthesis of novel ternary nanocomposite as an efficient luminophore and boron nitride quantum dots as a new coreactant for cathodic ECL monitoring of chlorpyrifos

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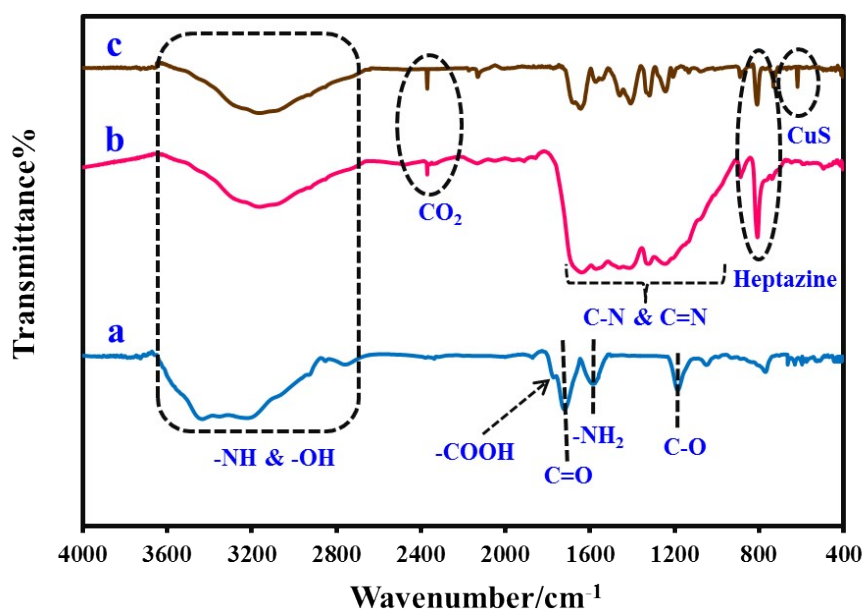


Fig.S1. FT-IR spectra of (a) CQDs, (b) g-C₃N₄NS, and (c) CuS/CQDs/g-C₃N₄NS.

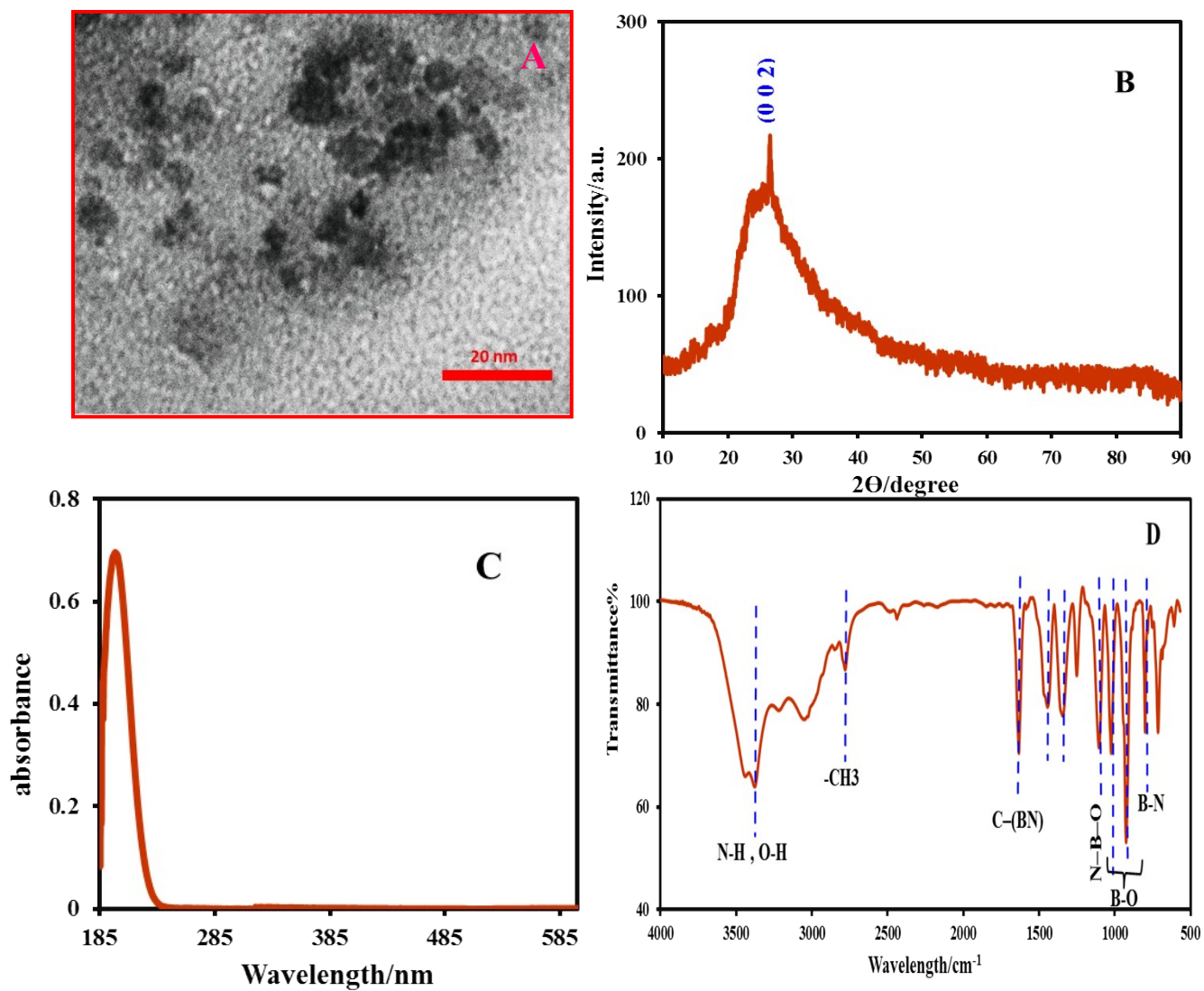


Fig.S2. TEM image (A), XRD pattern (B), UV-vis absorption (C), and FT-IR spectra (D) of prepared BNQDs.

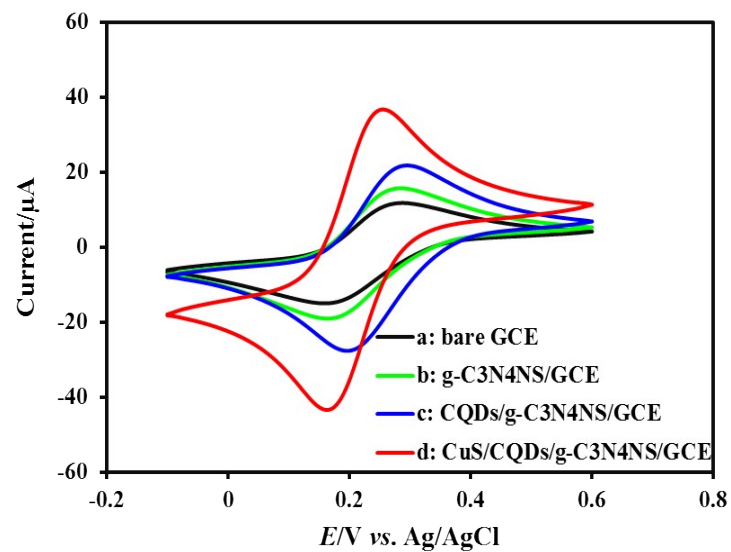


Fig.S3. CV curves of (a) bare GCE, (b) g-C₃N₄NS/GCE, (c) CQDs/g-C₃N₄NS/GCE and CuS/CQDs/g-C₃N₄NS/GCE in 0.1 M NaOH containing 1.0 mM Fe(CN)₆⁴⁻ at a scan rate of 100 mV s⁻¹.