

Porous carbon quantum dots: one step green synthesis via L-cysteine and application in metal ions detection†

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Electronic Supplementary Information

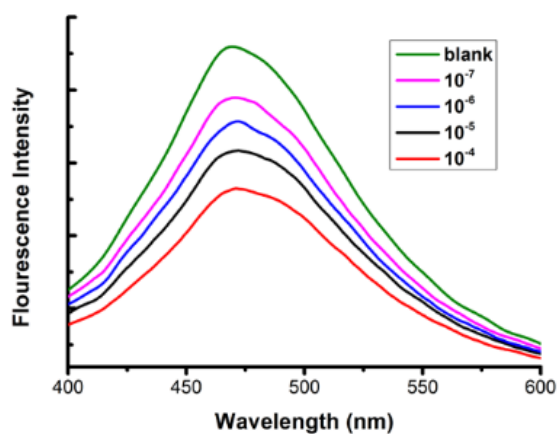


Fig.S1. FL response of CQDs upon addition of various concentration of CrO₄²⁻ (0, 0.1, 1, 10 and 100 μM) in a pH 7 PBS solution.

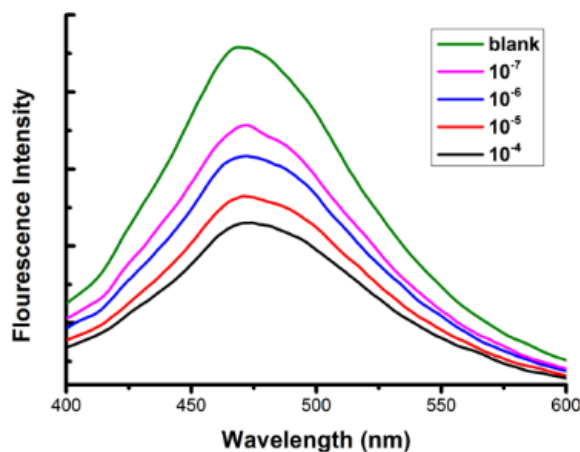


Fig.S2. FL response of CQDs upon addition of various concentration of Cr₂O₇²⁻ (0, 0.1, 1, 10 and 100 μM) in a pH 7 PBS solution.

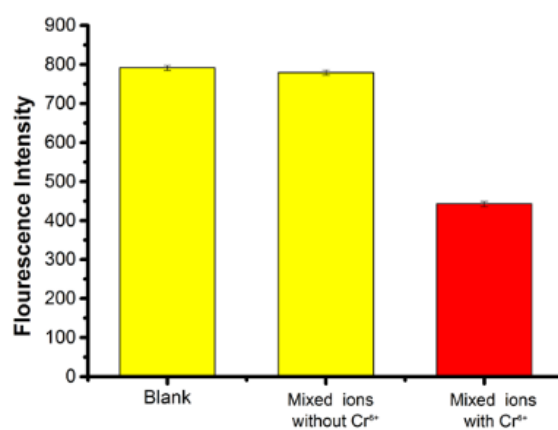


Fig.S3. The difference fluorescence signals of CQDs in the presence of all possible interference ions in 0.2 M PBS (pH 7.0, the concentration of each ion in the mixture was 10^{-4} M).