

Microplasma-Enabled Sustainable Synthesis of Nitrogen-Doped Graphene Quantum

Dots for Sensitive Detection of 4-Nitrophenol

(Supporting Information)

Michael Ryan Rahardja, Darwin Kurniawan and Wei-Hung Chiang *

Department of Chemical Engineering, National Taiwan University of Science and
Technology, Taipei 10607, Taiwan

*Correspondence: whchiang@mail.ntust.edu.tw

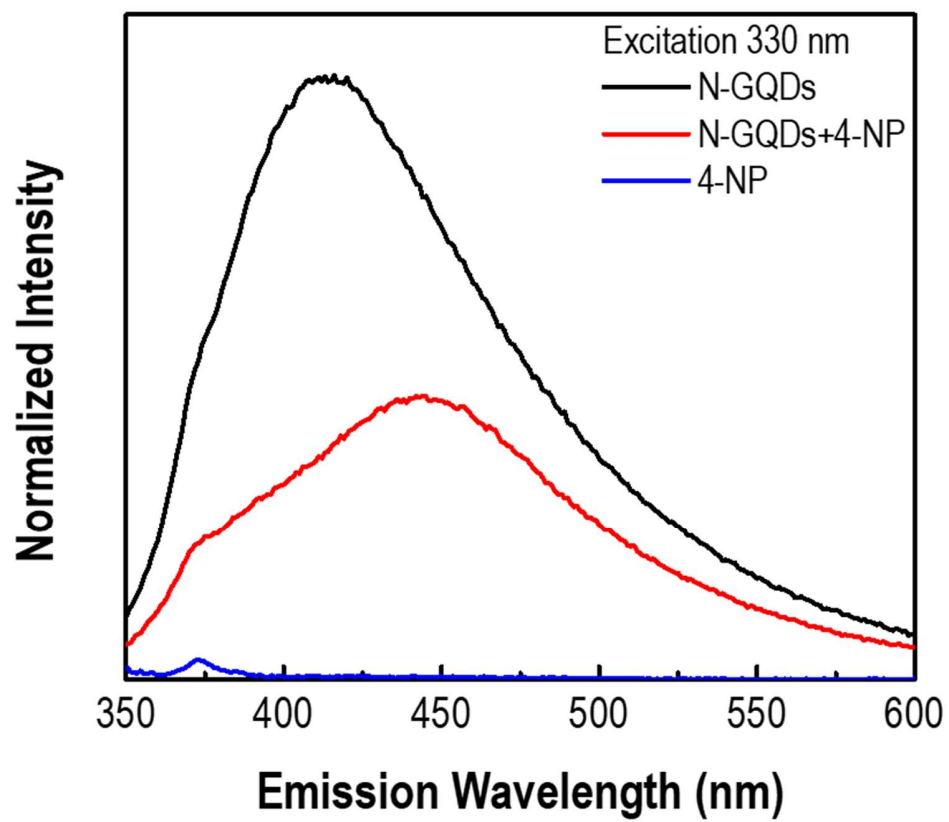


Figure S1. PL spectra of N-GQDs (black), N-GQDs in the presence of 4-NP (red), and 4-NP (blue).

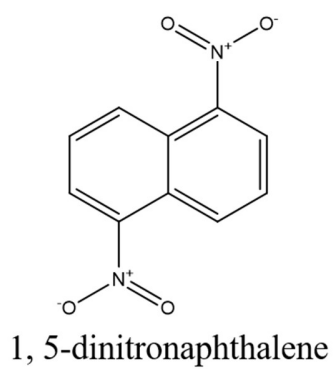
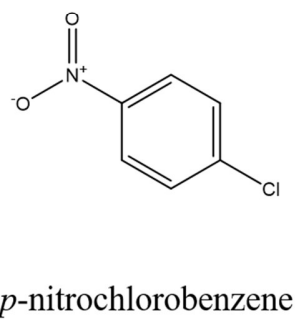
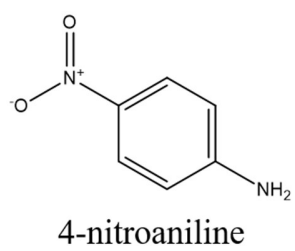
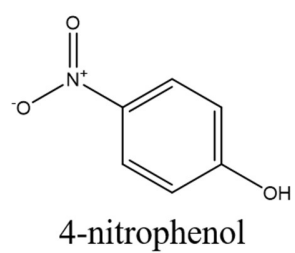


Figure S2. Chemical structure of several nitroaromatic compounds.

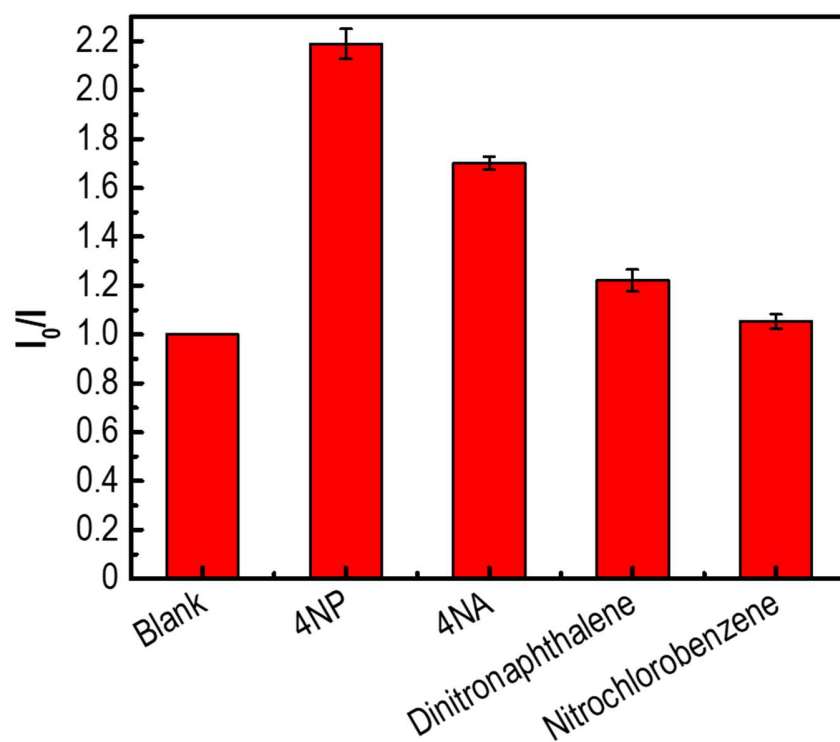


Figure S3. PL quenching ratio of N-GQDs in the presence of 50 μ M different nitroaromatic compounds. The excitation used was 330 nm.

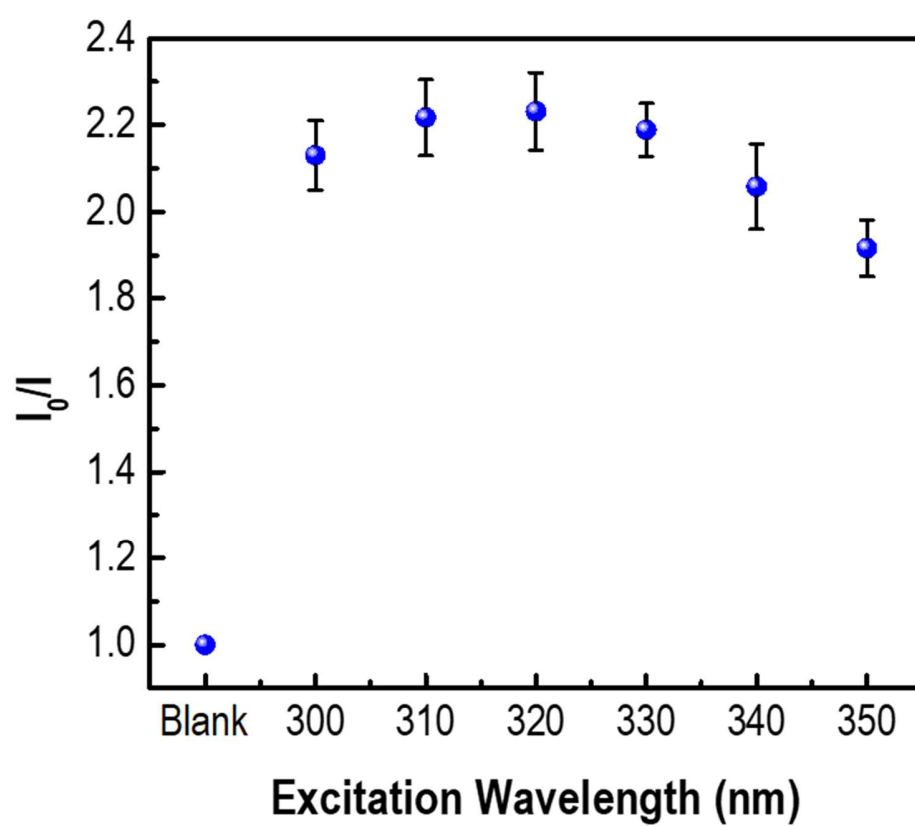


Figure S4. PL quenching ratio of N-GQDs in the presence of 50 μ M 4-NP under different excitation wavelengths.