Electronic Supplementary Information

Fluorescence Turn-On Detection of Glutathine in Live Cells Based on Nitrogen-Doped Graphene Quantum Dots

Jian Ju,[a] Ruizhong Zhang,[a,b] Shuijian He,[a,b] Wei Chen[*,a]

[a]*State Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, Jilin, China*

[b]*University of Chinese Academy of Sciences, Beijing 100039, China*

E-mail: weichen@ciac.ac.cn

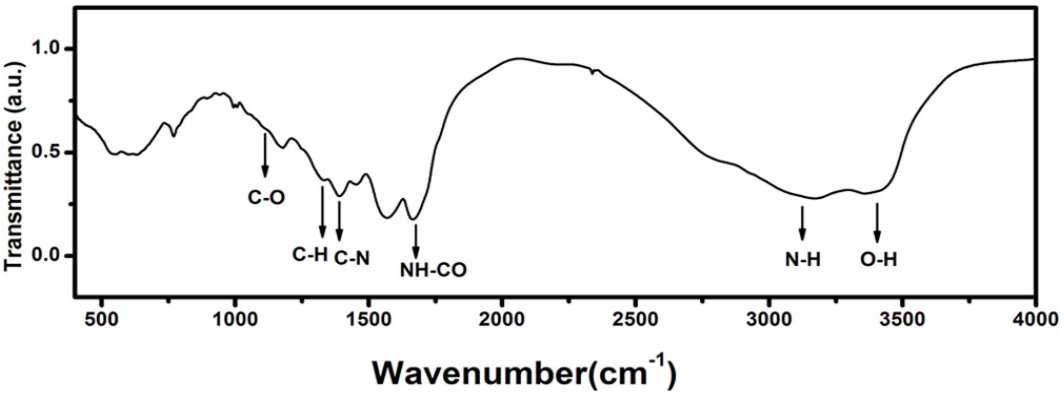

Fig. S1 FTIR spectrum of the N-GQDs.

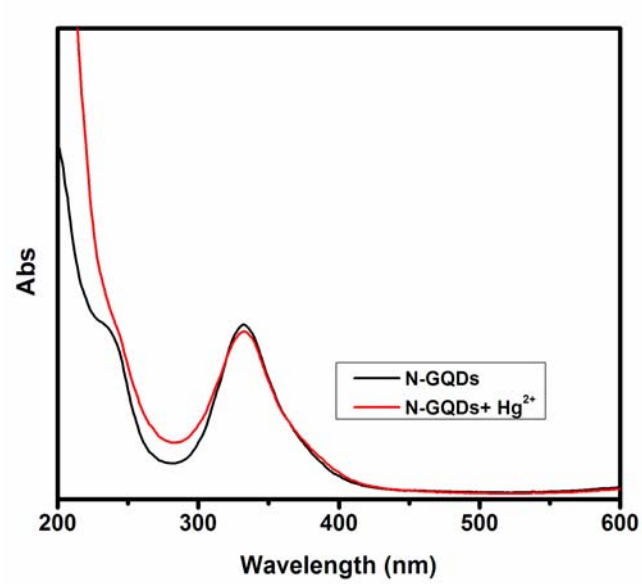

Fig. S2 UV-Vis absorption spectra of the N-GQDs in PBS solution with and without 10 μM Hg (II).

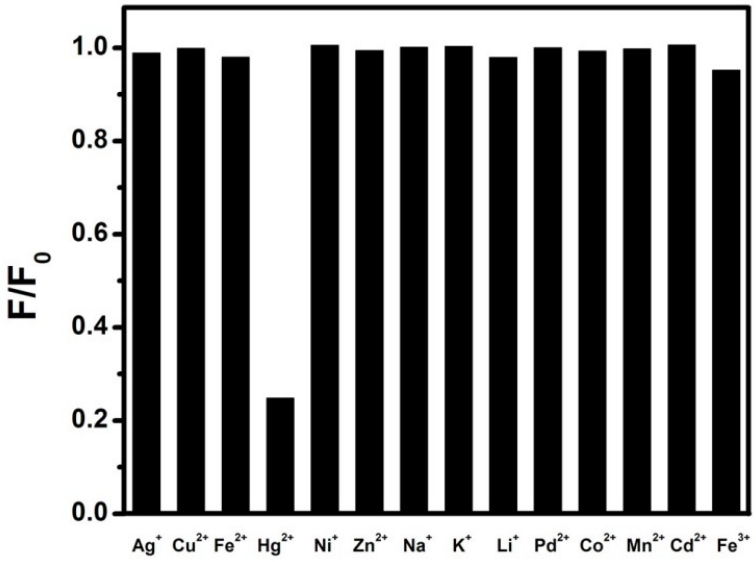

Fig. S3 Normalized fluorescence intensity at λ_{ex}= 350 nm of N-GQDs solution in the presence of various metal ions.

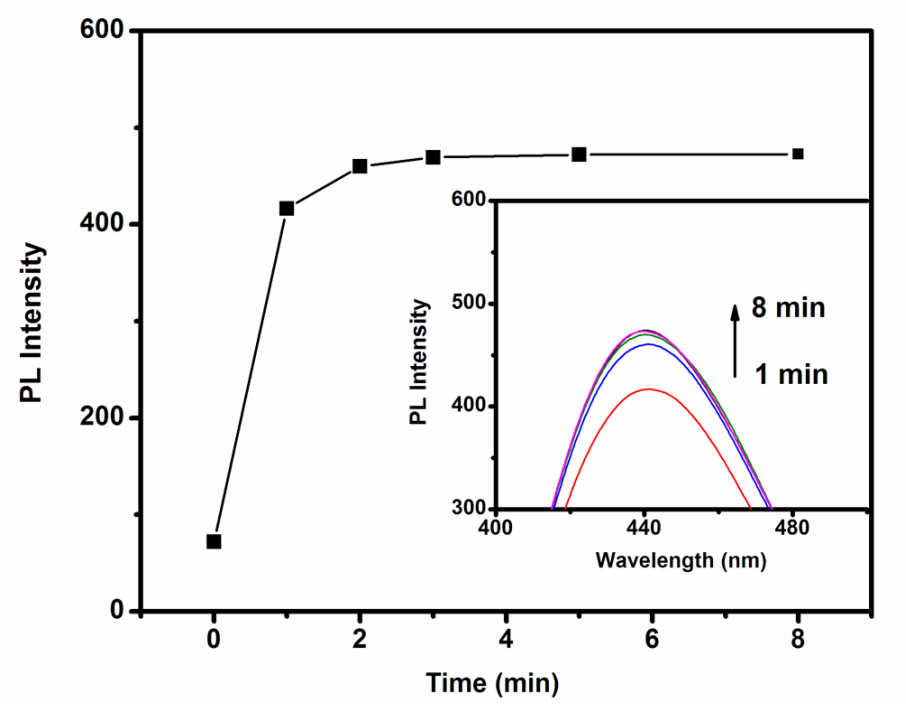

Fig. S4 PL intensity change of the N-GQDs- Hg (II) aqueous solution with time after addition of 30 μM GSH with excitation at 350 nm.