

Electronic supplementary information (ESI)

Fluorescent Hybrid Nanospheres Induced by Single-Stranded

DNA and Magnetic Carbon Quantum Dots

Ling Wang, Guangzhen Wang, Yitong Wang, Huizhong Liu, Shuli Dong, and
Jingcheng Hao*

Key Laboratory of Colloid and Interface Chemistry & Key Laboratory of Special
Aggregated Materials, Shandong University, Ministry of Education, Jinan 250100, P.
R. China

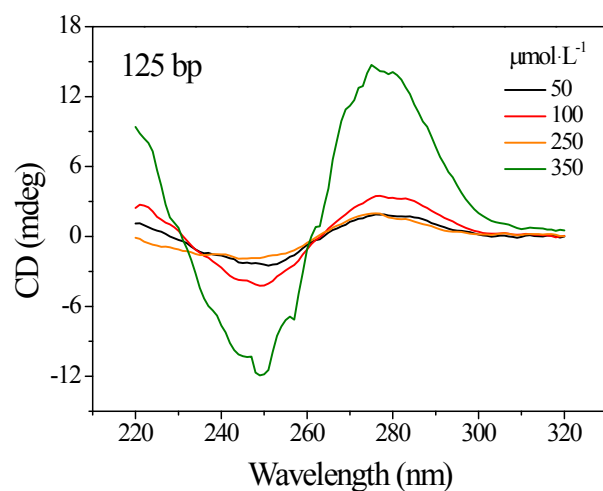


Figure S1. The CD spectra of CQDGd/ss-DNA complexes containing 125 bp ssDNA.

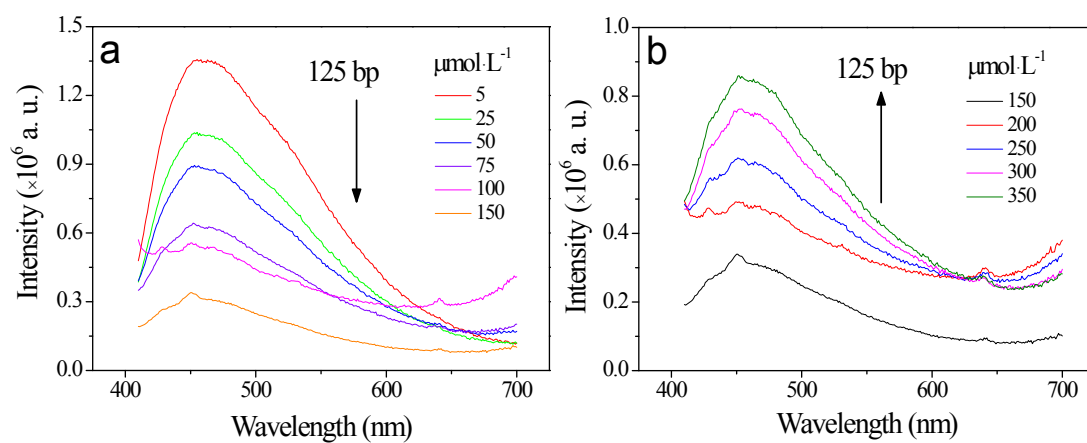


Figure S2. The fluorescence spectra (a, b) of CQDGd ($33.33 \mu\text{g}\cdot\text{mL}^{-1}$) solution upon addition of ssDNA with 125 bp.

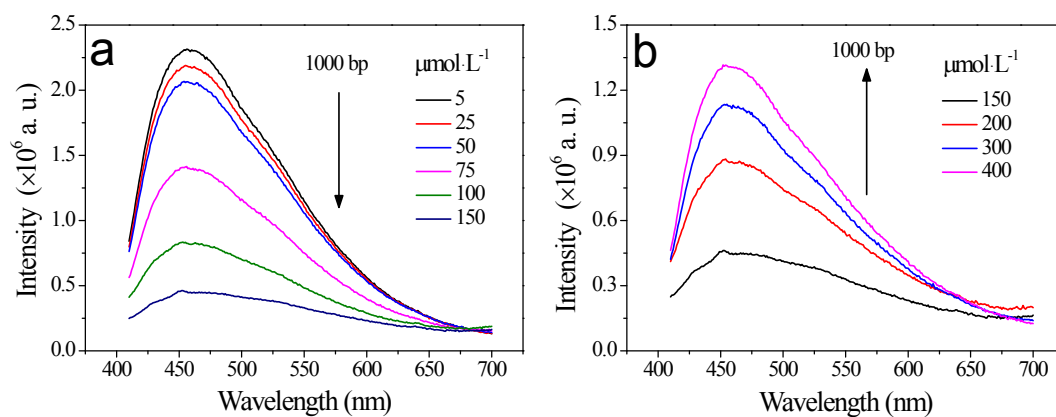


Figure S3. The fluorescence spectra (a, b) of CQDs-Br ($33.33 \mu\text{g}\cdot\text{mL}^{-1}$) solution upon addition of ssDNA with 1000 bp.

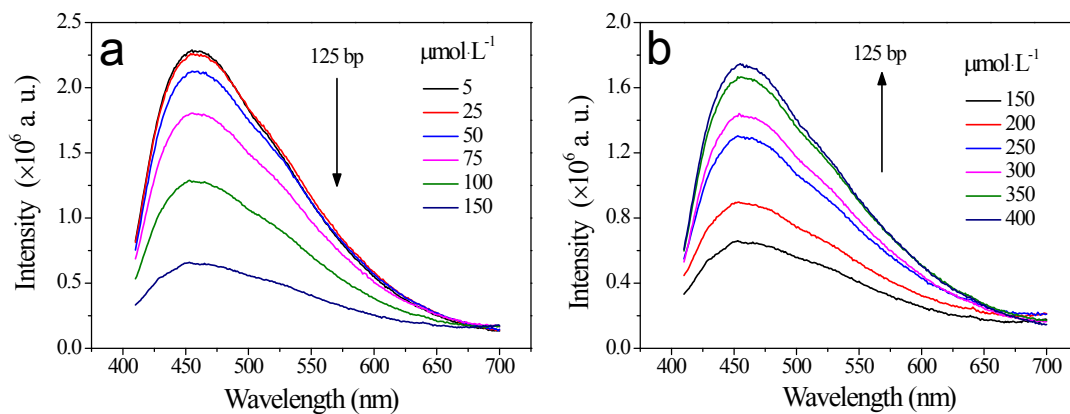


Figure S4. The fluorescence spectra (a, b) of CQDs-Br ($33.33 \mu\text{mol}\cdot\text{L}^{-1}$) solution upon addition of ssDNA with 125 bp.

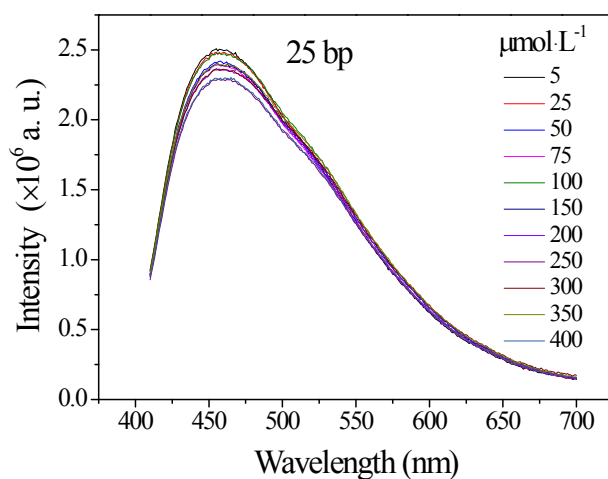


Figure S5. The fluorescence spectra of CQDs-Br ($33.33 \mu\text{mol}\cdot\text{L}^{-1}$) solution upon addition of ssDNA with 25 bp.

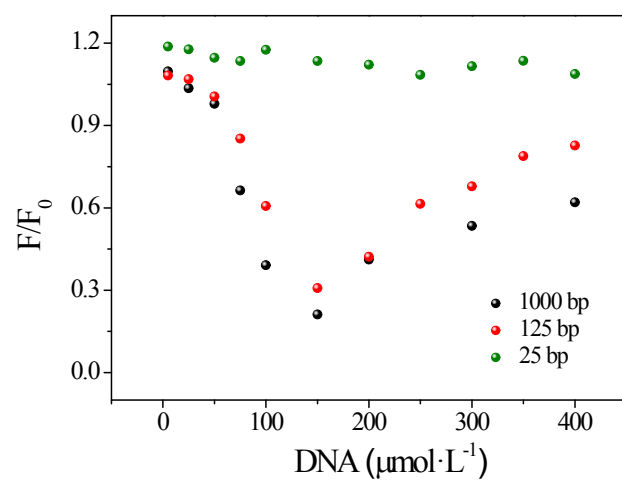


Figure S6. Effects of ssDNA containing various bp number on the intensity of CQDs-Br fluorescence.