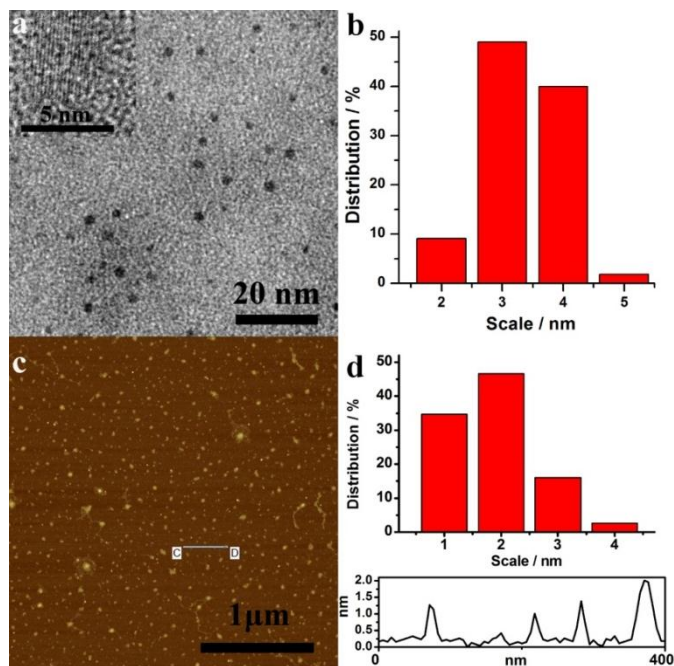


Supporting Information for

Large Scale Preparation of Graphene Quantum Dots from Graphite with Tunable Fluorescence Properties

5 Yiqing Sun, Shiqi Wang, Chun Li, Peihui Luo, Lei Tao, Yen Wei, and Gaoquan Shi*



10 **Figure S1** (a) TEM images of GQDs_{100,12}; inset: HRTEM image of GQDs_{100,12}. (b) The size distribution of GQDs_{100,12}. (c) AFM image of GQDs_{100,12} with a height profile. (d) Histogram of GQDs_{100,12} heights.

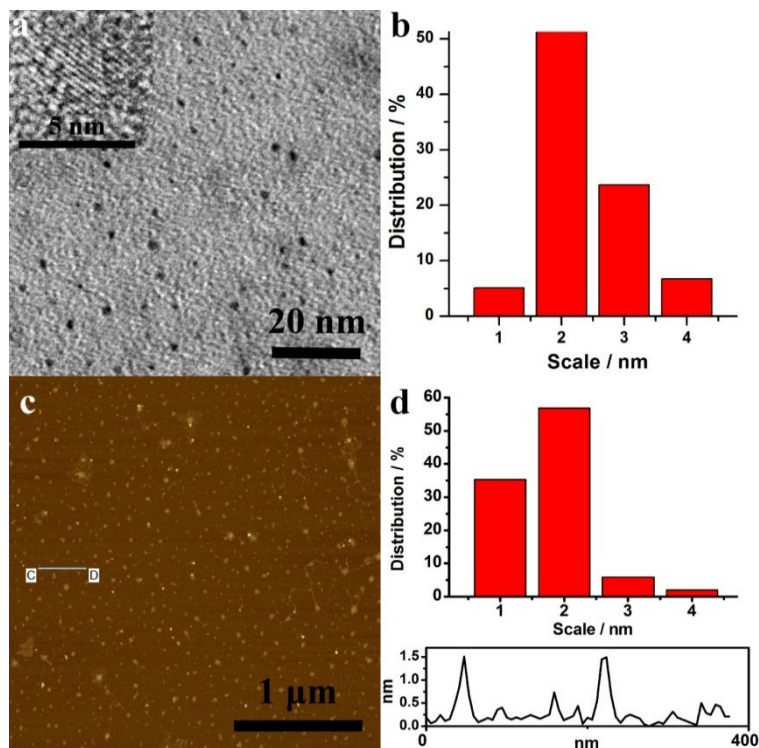


Figure S2 (a) TEM images of GQDs_{160,12}; the inset is the HRTEM of GQDs_{160,12}. (b) The size distribution of GQDs_{160,12}. (c) AFM image of GQDs_{160,12} with a height profile. (d) Histogram of 5 GQDs_{160,12} heights.

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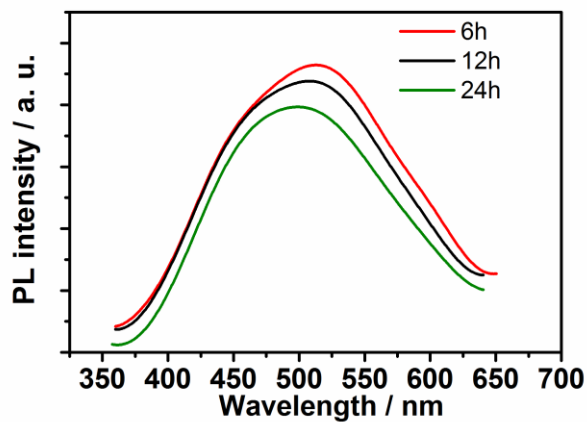


Figure S3 PL spectra of the aqueous dispersions of GQDs_{100,6}, GQDs_{100,12} and GQDs_{100,24} (excited at 340 nm).

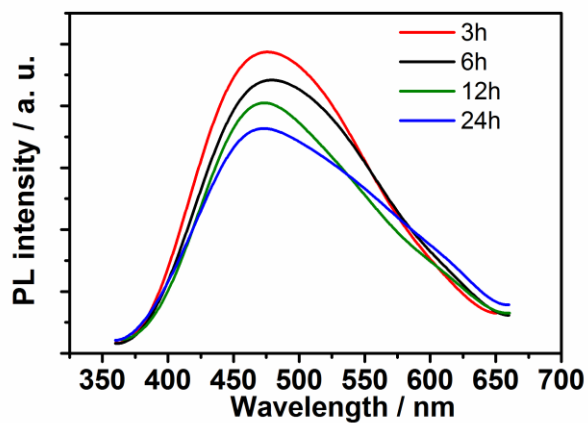
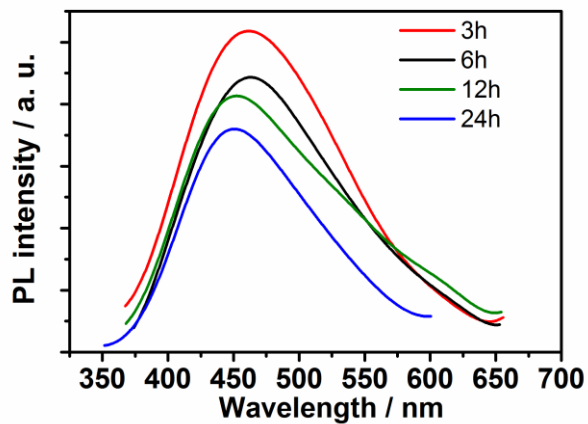


Figure S4 PL spectras of the aqueous dispersions of GQDs_{120,3}, GQDs_{120,6}, GQDs_{120,12}, and GQDs_{120,24} (excited at 340 nm).



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Figure S5 PL spectra of the aqueous dispersions of GQD_{160,3}, GQD_{160,6}, GQD_{160,12} and GQD_{160,24} (excited at 340 nm).

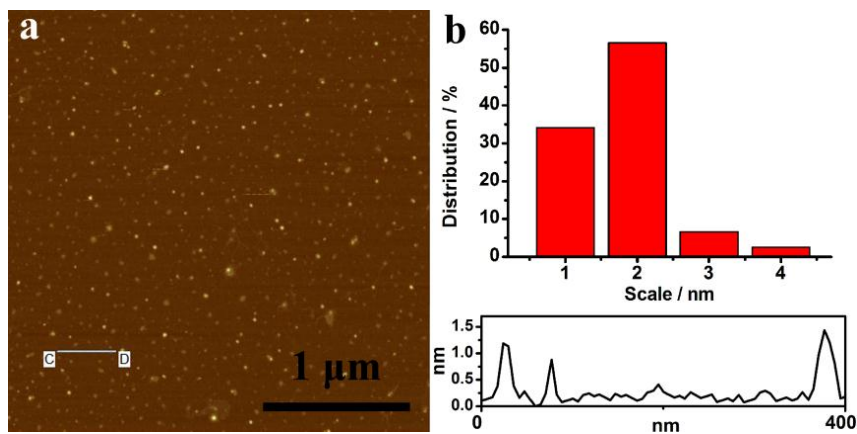
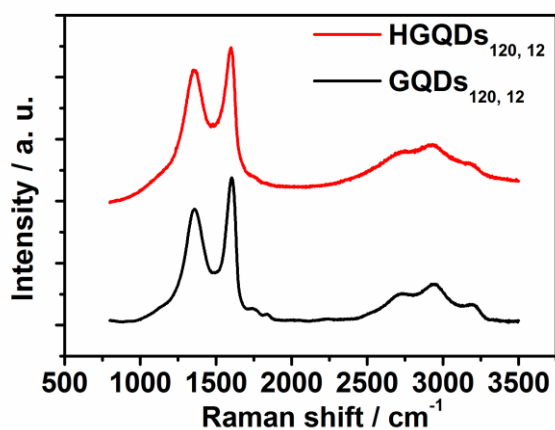


Figure S6 (a) AFM image of HGQDs_{120,12} and (b) their height distribution.



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Figure S7 Raman spectra of GQDs_{120,12} and HGQDs_{120,12}.

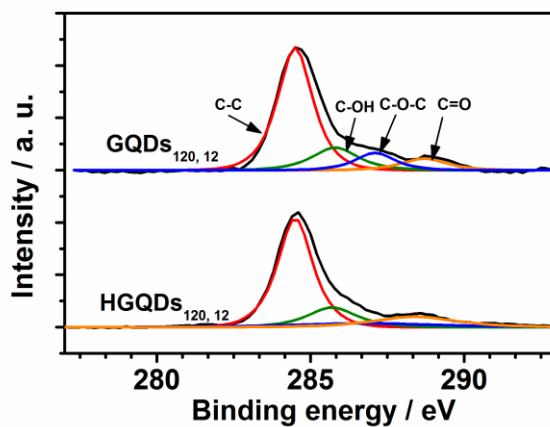


Figure S8 C1s XPS spectra of GQDs_{120,12} and HGQDs_{120,12}.