

Figure S1. (a) XPS survey scan of the GQDs B₂. (b) ATR-FTIR spectra of GQDs B₂

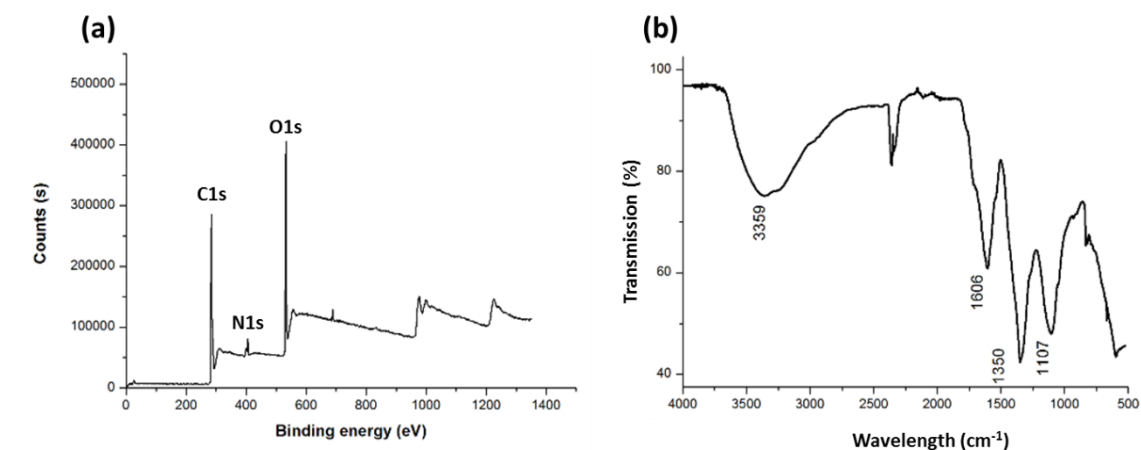


Figure S2. (a) XPS survey scan of the GQDs C₂. (b) ATR-FTIR spectra of GQDs C₂

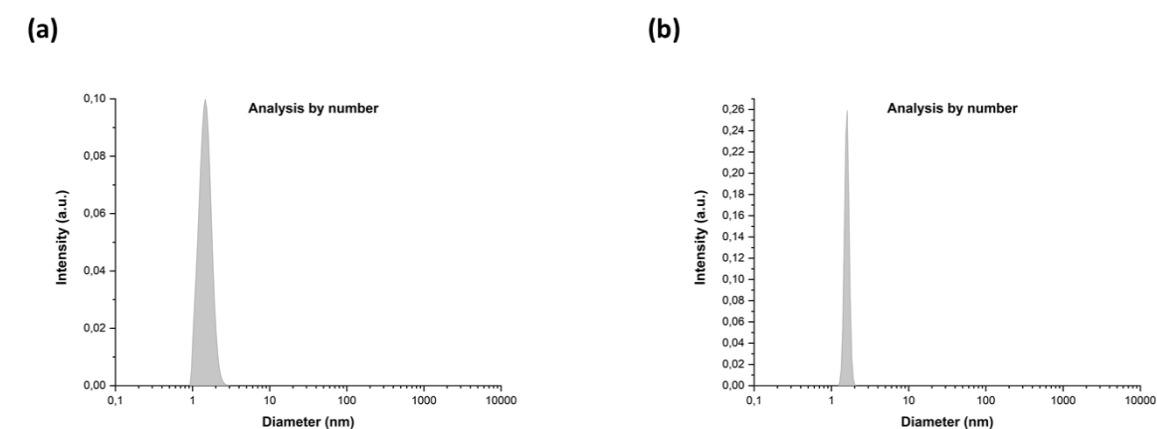


Figure S3. DLS size distribution (by number) of (a) B₂ and (b) C₂ dispersed GQDs water suspension at a concentration of 1mg/mL.

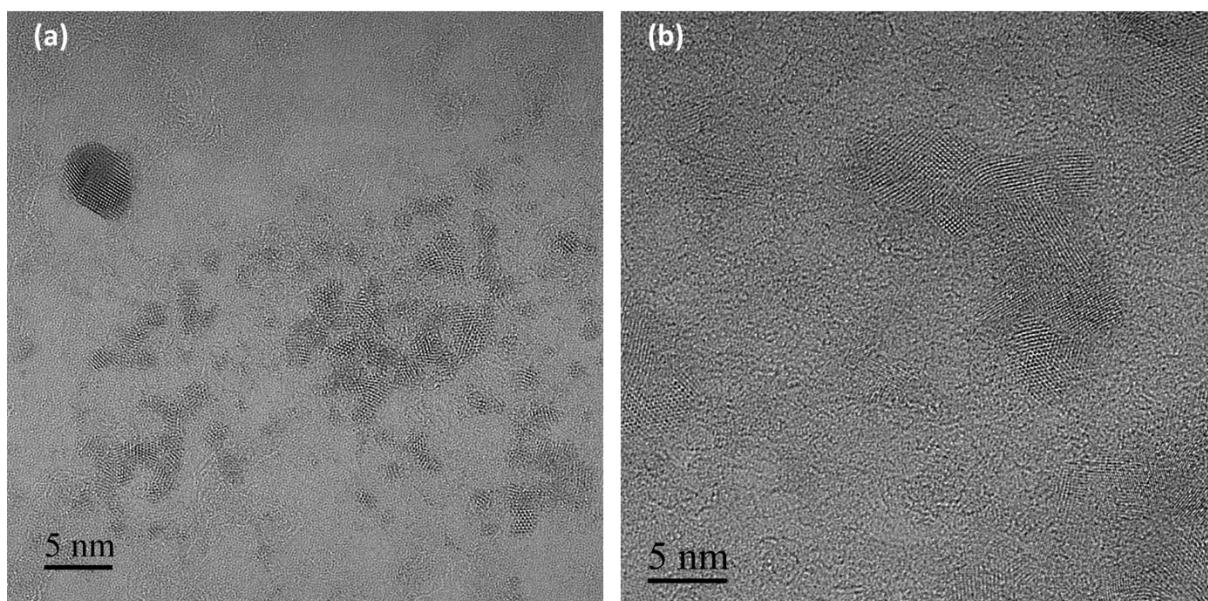


Figure S4. HR-TEM images of the as-prepared GQDs (a) B₂ and (b) C₂.

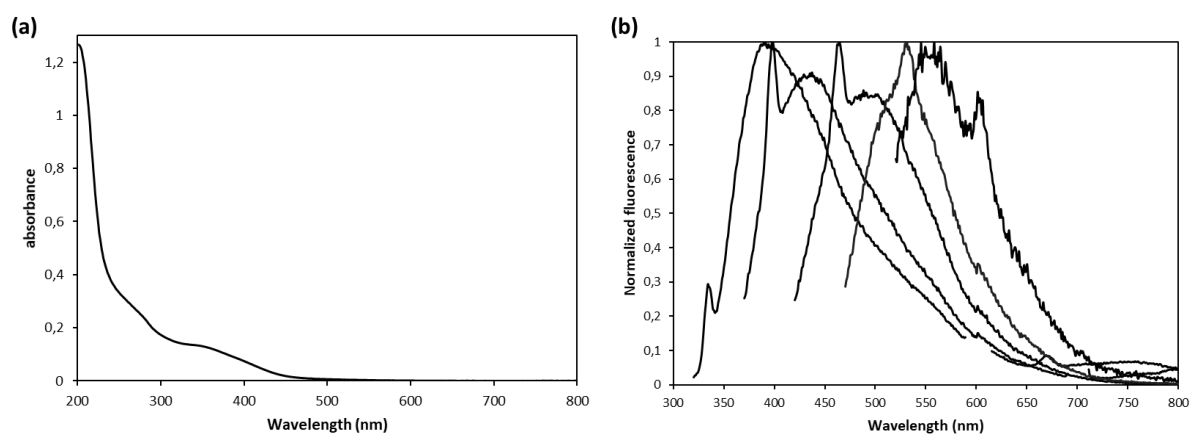


Figure S5. Photophysical properties of water-dispersed GQDs B₂. (a) UV-vis spectrum and (b) normalized emission spectra of GQDs recorded for progressively longer excitation wavelengths ranging from 300 to 500 nm (with a 50 nm increment).

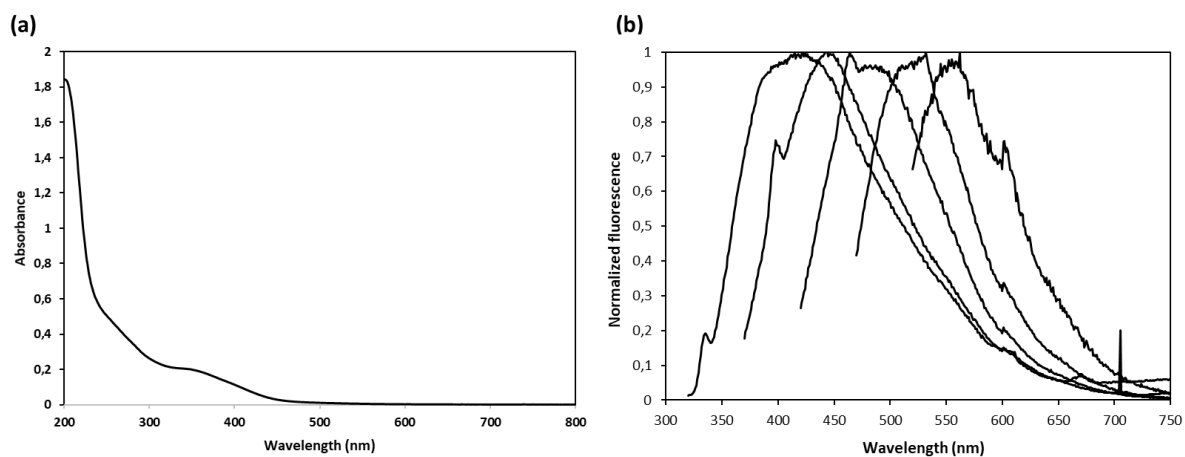


Figure S6. Photophysical properties of water-dispersed GQDs C₂. (a) UV-vis spectrum and (b) normalized emission spectra of GQDs recorded for progressively longer excitation wavelengths ranging from 300 to 500 nm (with a 50 nm increment).

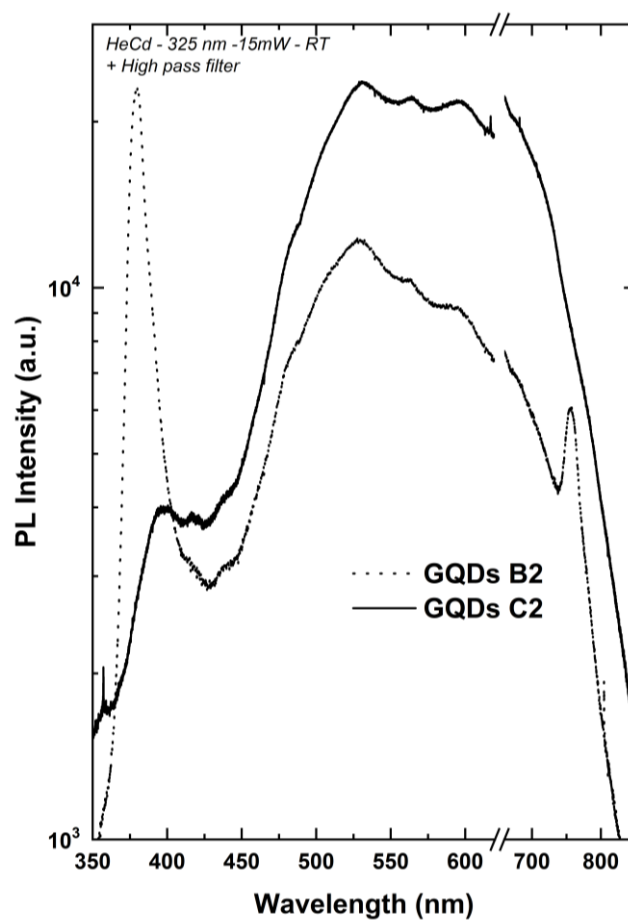


Figure S7. White light emission obtained from GQDs films deposited on a silicon wafer based on GQDs B₂ and C₂. The spectrum has been truncated at 650 nm for clarity in order to remove the peak corresponding to the second harmonic of excitation.