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Supplementary Materials

Development of a quercetin fluorescent sensor prepared from waste paper

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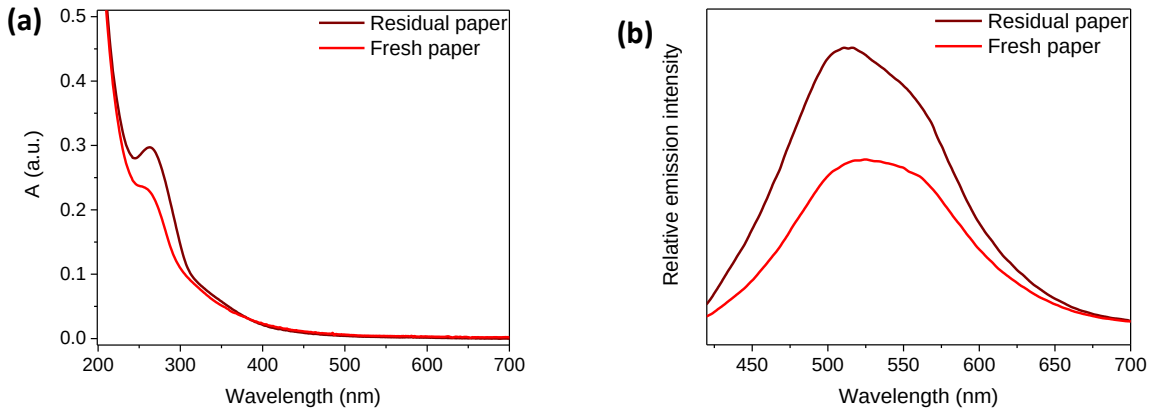

Figure S1. Absorption **(a)** and emission (λ_{exc} = 400 nm) **(b)** spectra of the CQDs obtained with new paper and remaining paper from the previous synthesis.

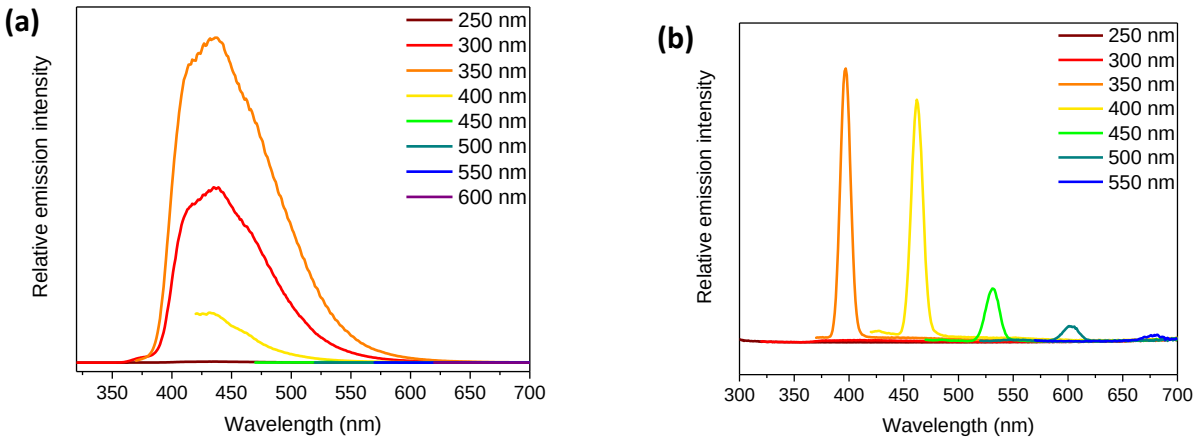

Figure S2. Emission spectra of paper fluorophore with excitations of 250 - 600 nm **(a)** and of water with excitations of 250 - 550 nm **(b)**

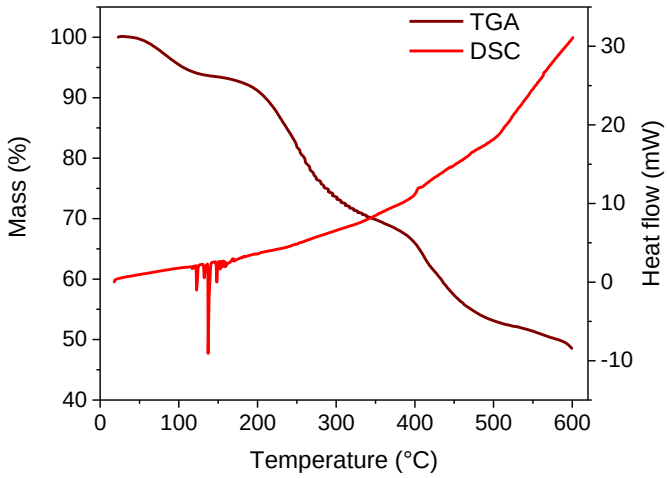

Figure S3. Thermal analysis of CQDs in N_2 atmosphere

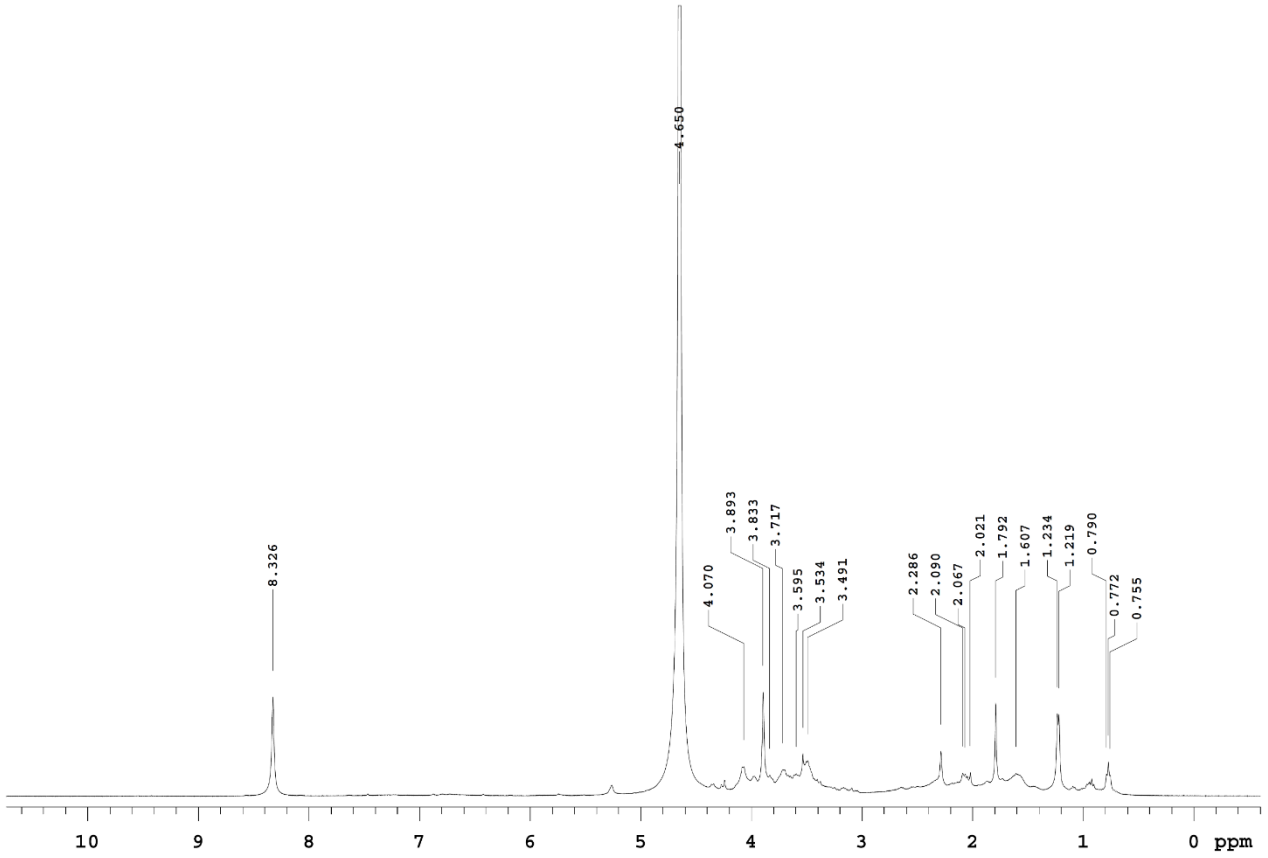

Figure S4. ^{1}H NMR of CQDs (solvent: D_2O)

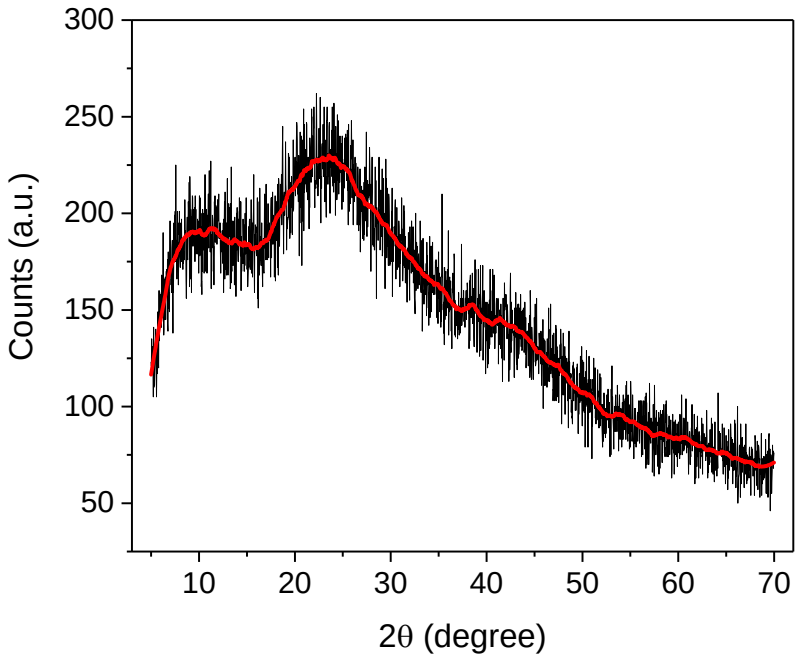

Figure S5. X-ray diffractogram of CQDs

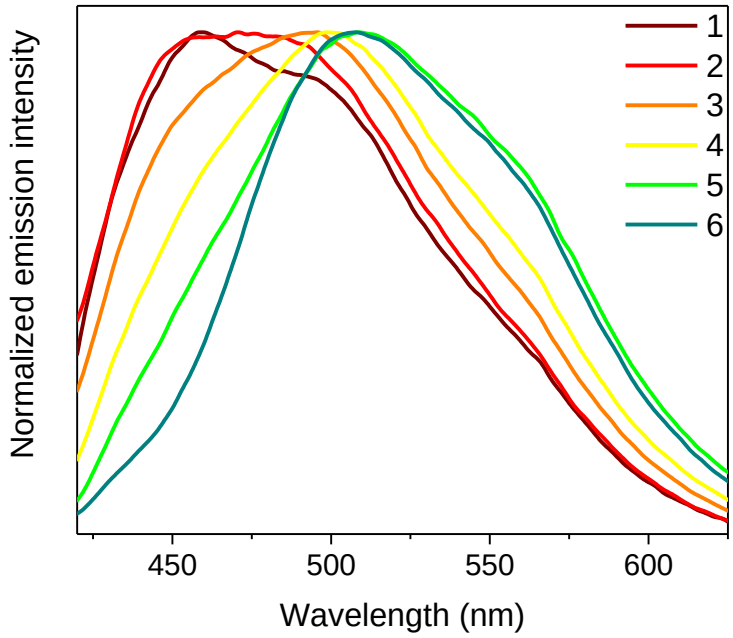

Figure S6. Emission spectra (λ_{exc} = 400 nm) of 6 fractions collected in the column separation of CQDs