

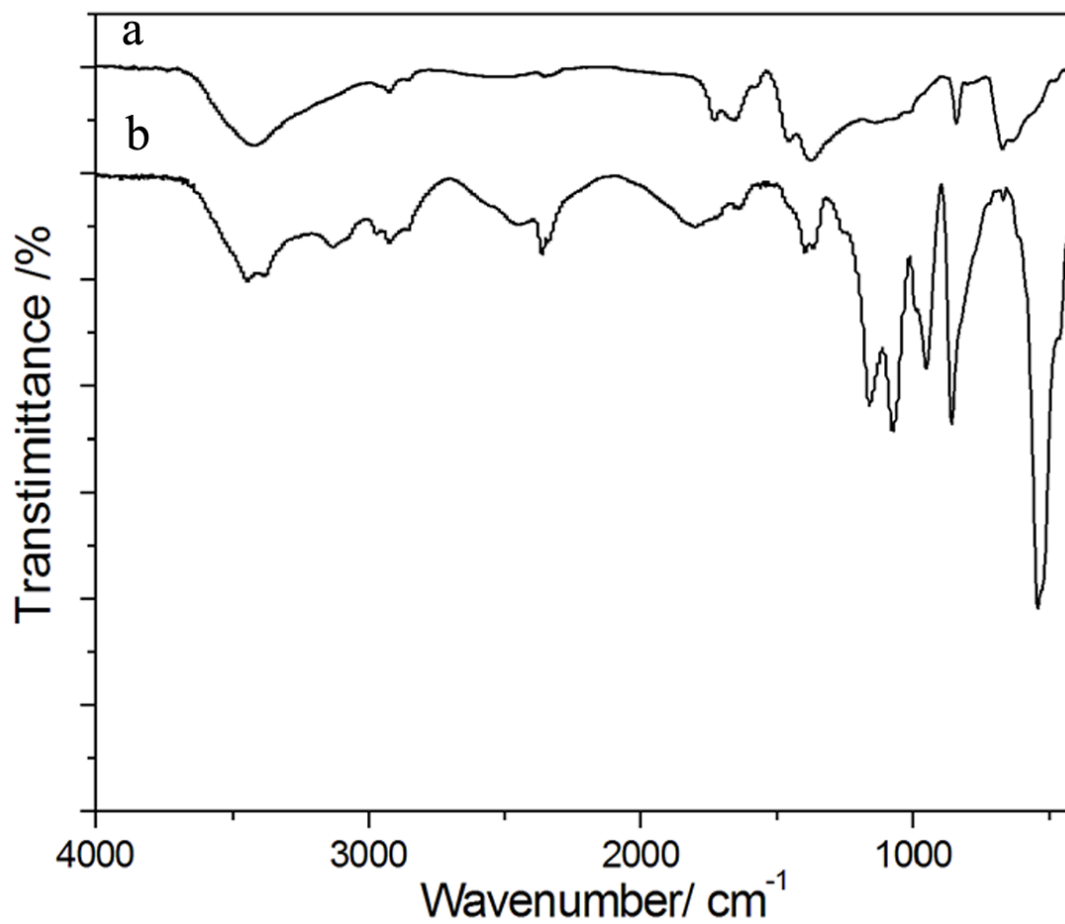
## Supporting information

### Tyrosine-functionalized CuInS<sub>2</sub> quantum dots as a fluorescence probe for the determination of biothiols, histidine and threonine

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**Fig. S1** (A) The FT-IR spectra of the MPA-capped CuInS<sub>2</sub>QDs (curve a) and T-CuInS<sub>2</sub> QDs (curve b).

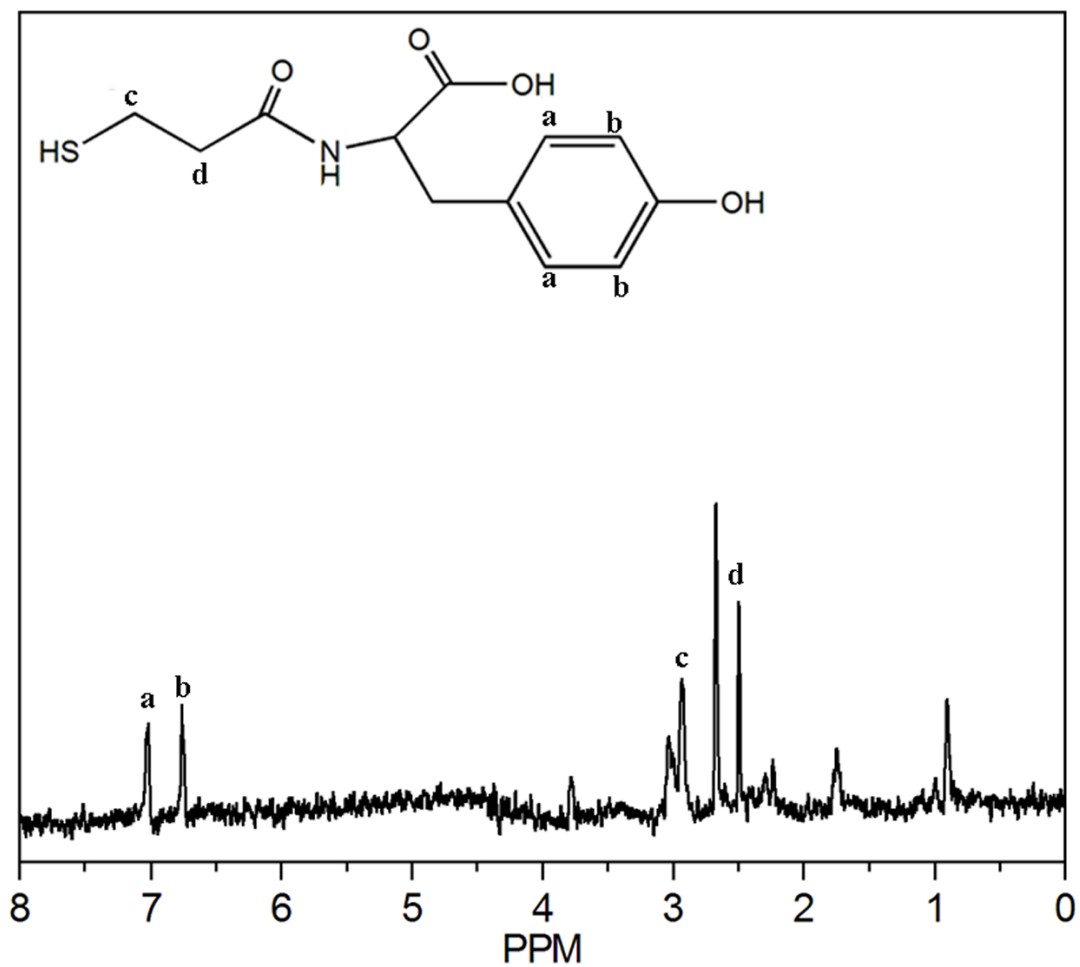
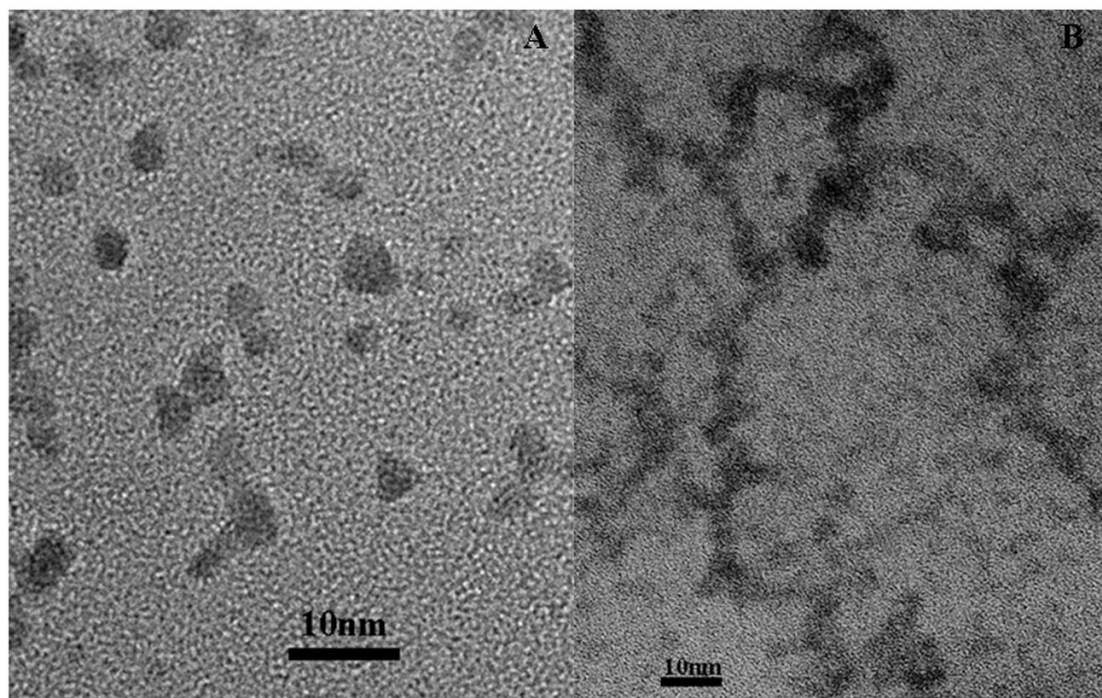
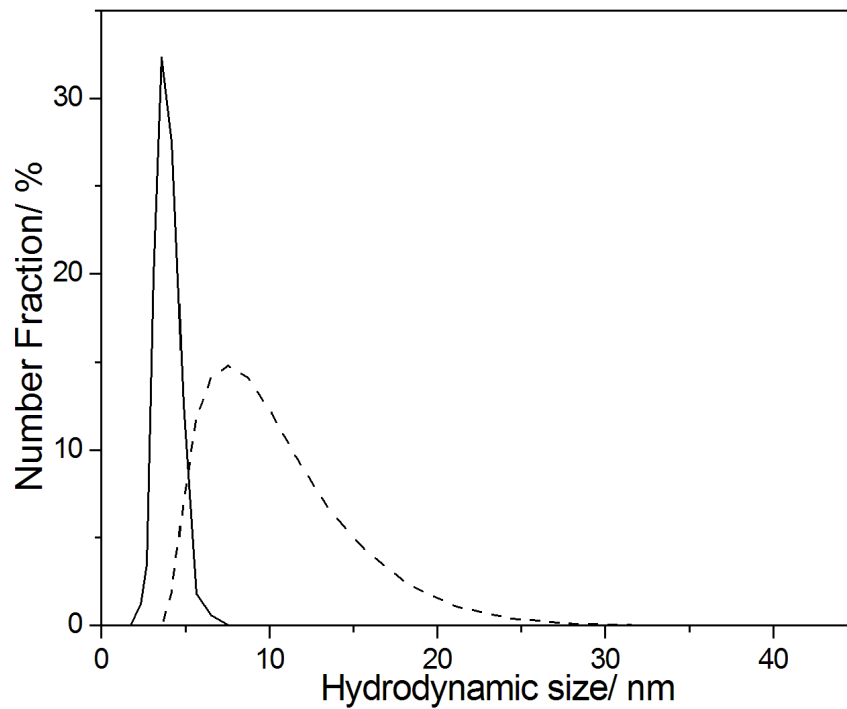


Fig. S2 <sup>1</sup>H NMR spectra of T-CuInS<sub>2</sub> QDs.



**Fig. S3** The TEM image of the (A) MPA-capped CuInS<sub>2</sub>QDs and (B) T-CuInS<sub>2</sub> QDs.



**Fig. S4** Dynamic light scattering data of MPA-capped CuInS<sub>2</sub>QDs (Solid line) and T-CuInS<sub>2</sub> QDs

(dash line)