

Supplementary Materials

Facile synthesis of ultrastable fluorescent copper nanoclusters and their cellular imaging application

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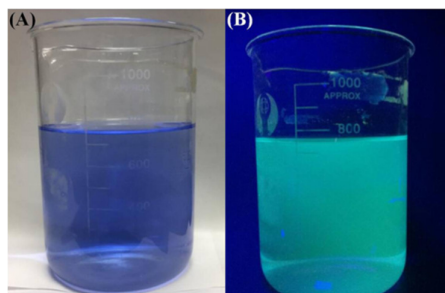


Figure 1. Photographs of Cu NCs under (A) ordinary daylight and (B) UV-irradiation.

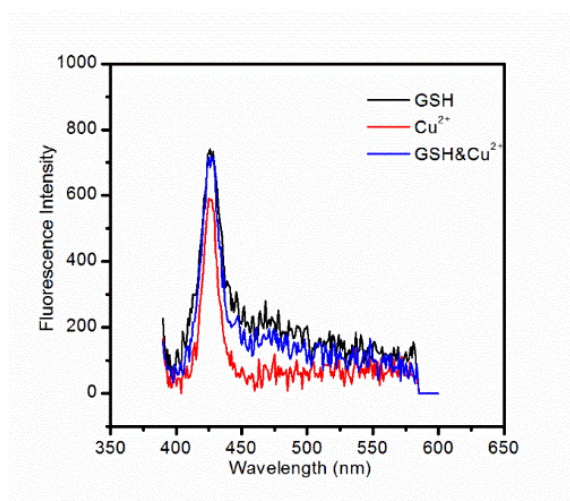


Figure 2. Fluorescence emission spectra of GSH, Cu²⁺ solution and mixture of GSH and Cu²⁺.

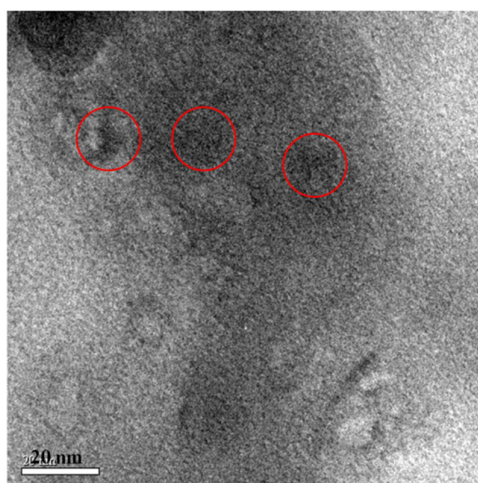


Figure 3. A high resolution TEM image of Cu NCs@GSH.

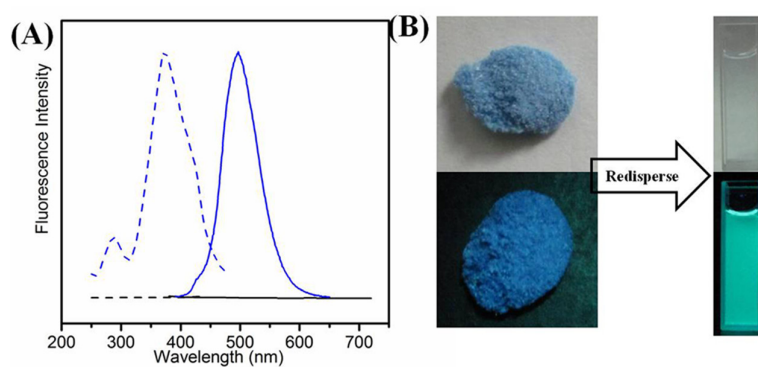


Figure 4. (A) Fluorescence excitation (dash line) and emission (solid line) spectra of Cu NCs@GSH in water (blue) and solid (black) state; (B) photographs of Cu NCs@GSH solid and redispersed in water under daylight (above) and 365 nm UV light (below).

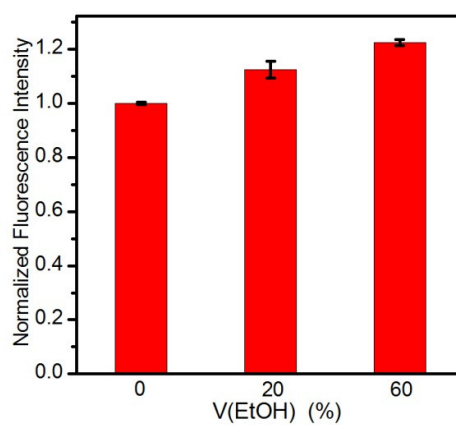


Figure 5. (A) Fluorescence emission spectra and (B) histogram of Cu NCs@GSH in different vol% ethanol: water mixture.

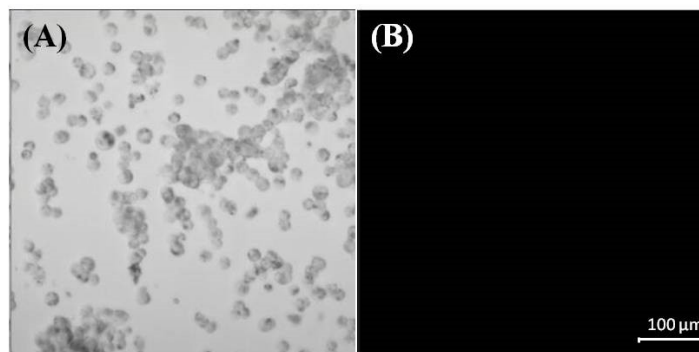


Figure 6. Images of HEK293 T cells incubated without Cu NCs obtained (A) under bright field and (B) at the excitation wavelength of 380 nm.

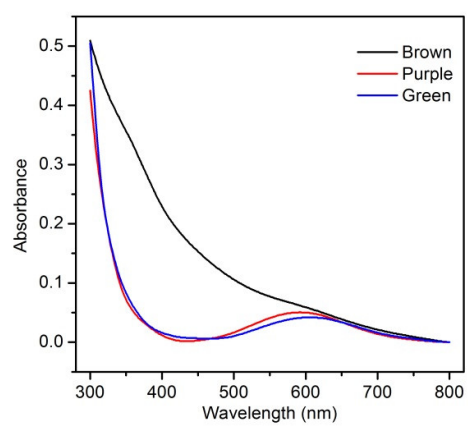


Figure 7. Absorption spectra of different color of Cu NCs solution.