

Ultra-sensitive Fluorescence Determination of Chromium(VI) in Aqueous Solution Based on Selectively Etching of Protein-stabled Gold Nanoclusters

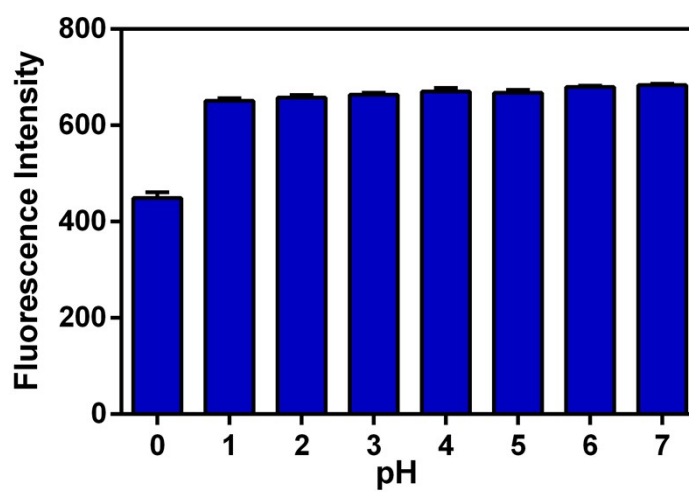


Figure S1 Influence of the pH on the fluorescence intensity of BSA-Au NCs

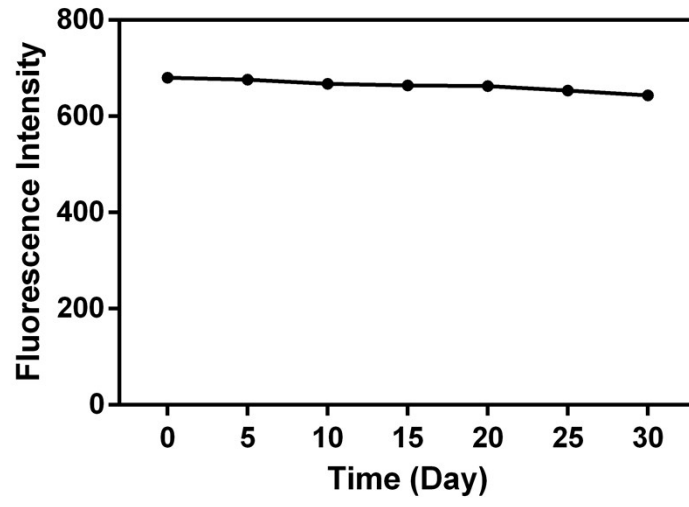


Figure S2 Effect of the time on the fluorescence stability BSA-Au NCs

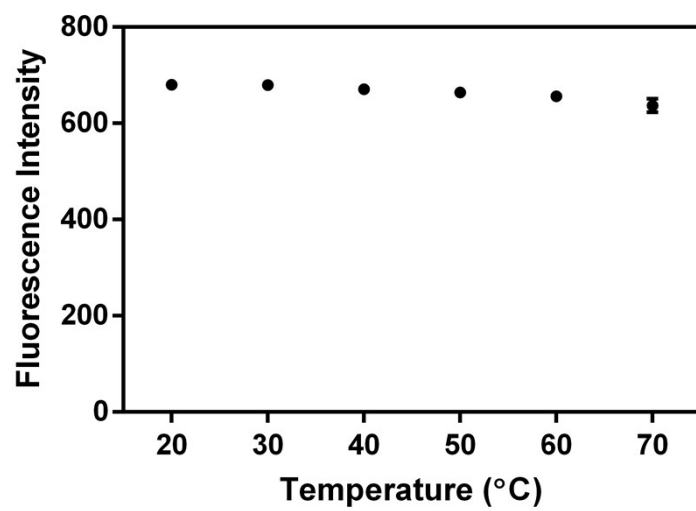


Figure S3 Effect of the temperature on the fluorescence stability BSA-Au NCs

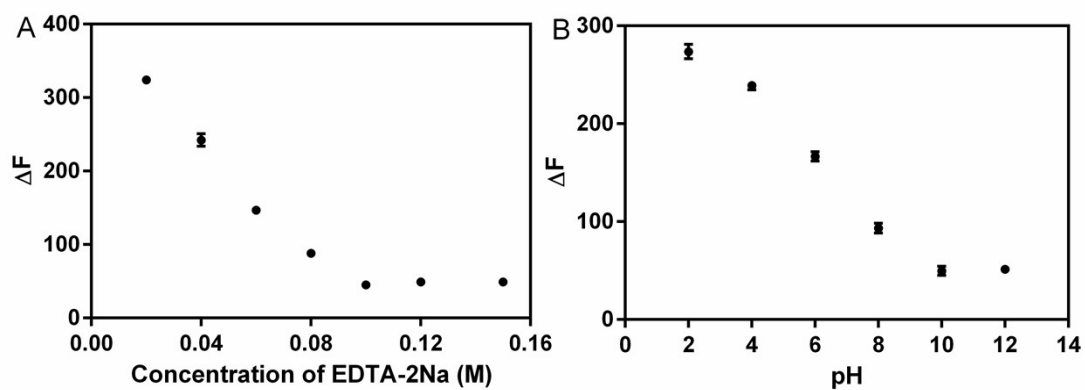


Figure S4 Effect of the concentration of EDTA-2Na (A) and pH (B) on the fluorescence quenching of BSA-Au NCs in the presence of Hg^{2+}

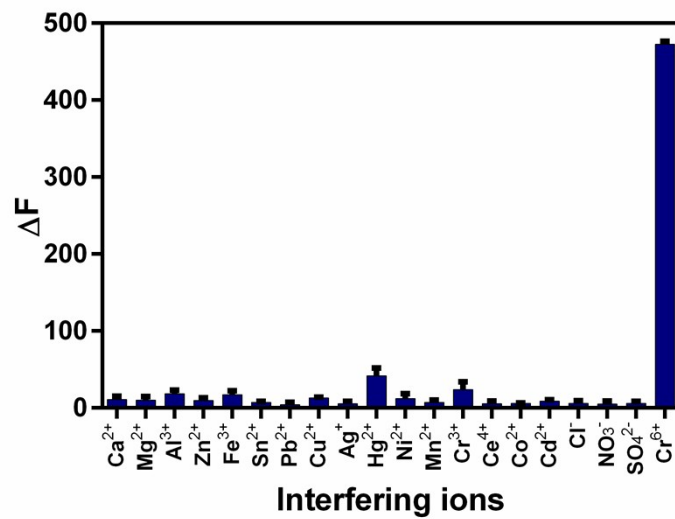


Figure S5 Relative sensitivity of different interfering ions to the proposed detection method after pretreatment with EDTA-2Na.

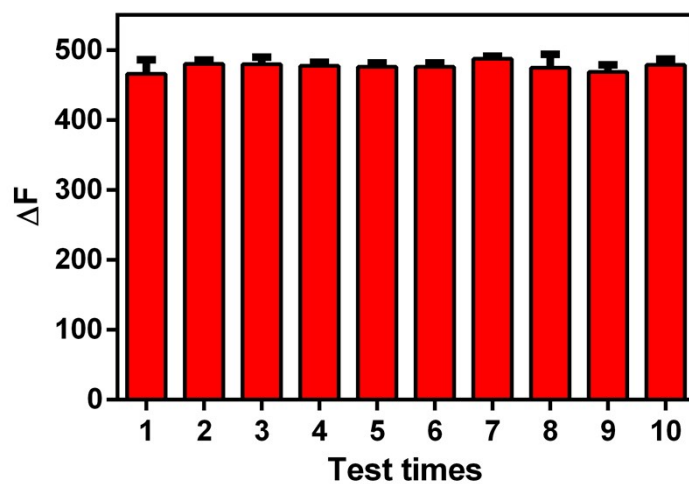


Figure S6 The Repeatability and reproducibility of the fluorescent sensor in analyzing Cr(VI) in 10 batches, each of which was measured with 5 repeated tests.