

Supporting information

Fluorescent probe for sensing ferric ions in bean sprouts based on L-histidine-stabilized gold nanoclusters

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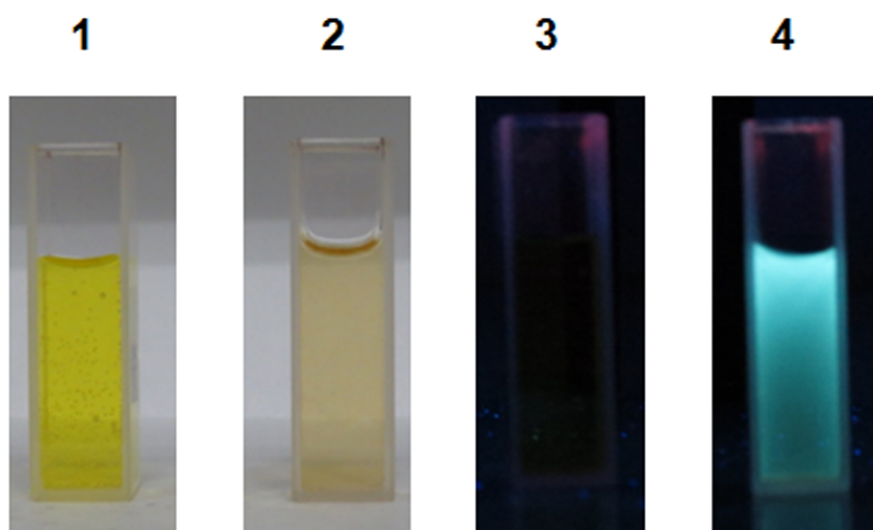


Fig. S1. Photographs under daylight (1, 2) and 365 nm UV light irradiation (3, 4) of Au NCs.

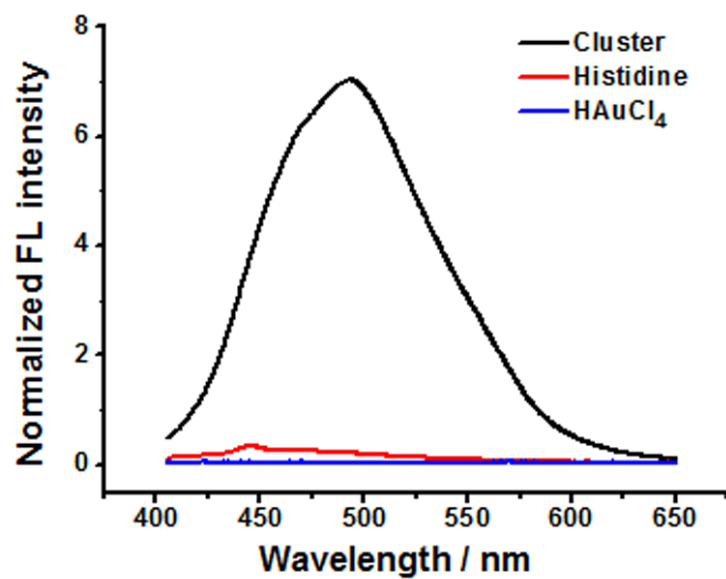


Fig. S2. The fluorescence spectra of the Au NCs, histidine solution and HAuCl₄ solution.

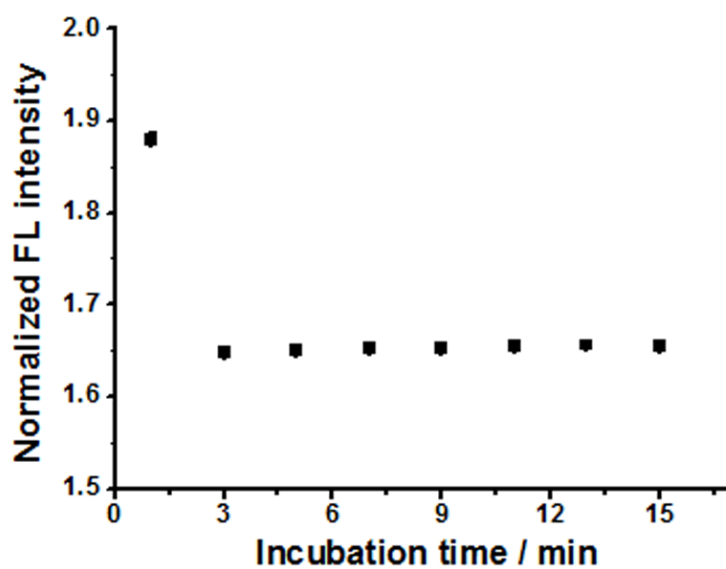


Fig. S3. Optimization of the incubation time for the fluorescence variation of the AuNCs in the presence of 1000.0 μM Fe^{3+} ions.

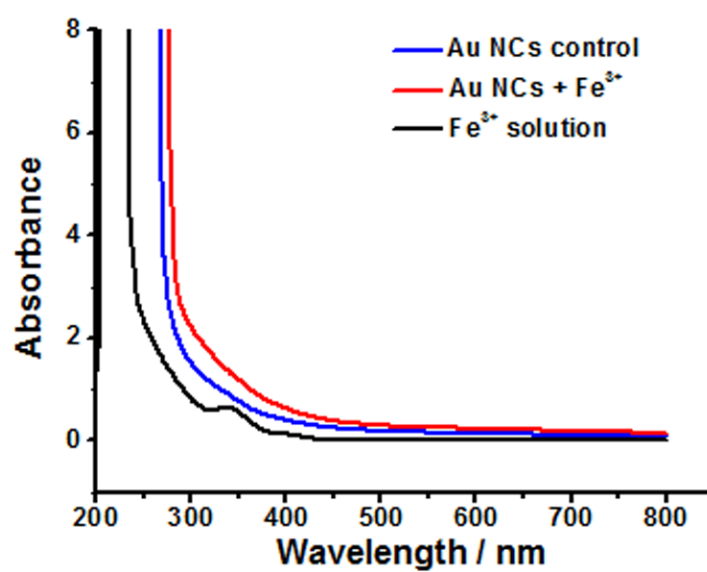


Fig. S4. UV/Vis absorption spectra of Fe³⁺ solution (black line), aqueous Au NCs (blue line) and Au NCs in the presence of 500.0 μ M Fe³⁺ ions (red line).

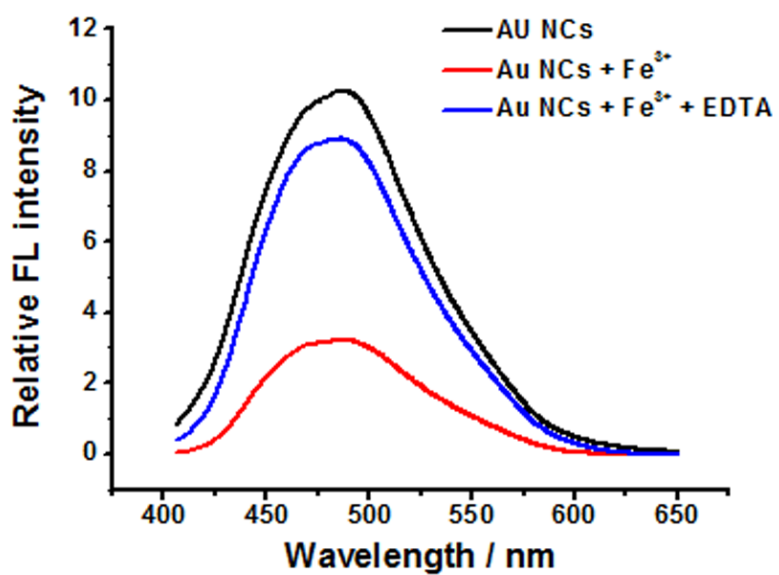


Fig. 5. Fluorescence spectra of the Au NCs solution (black line), in the presence of 1000.0 μM Fe^{3+} (blue line), and in the presence of 1000.0 μM EDTA and Fe^{3+} (red line).