

Electronic Supplementary Information (ESI)

11-Mercaptoundecanoic Acid-Directed One-Pot Synthesis of Water-Soluble Fluorescent Gold Nanoclusters and Their Use as Probes for Sensitive and Selective Detection of Cr³⁺ and Cr⁶⁺

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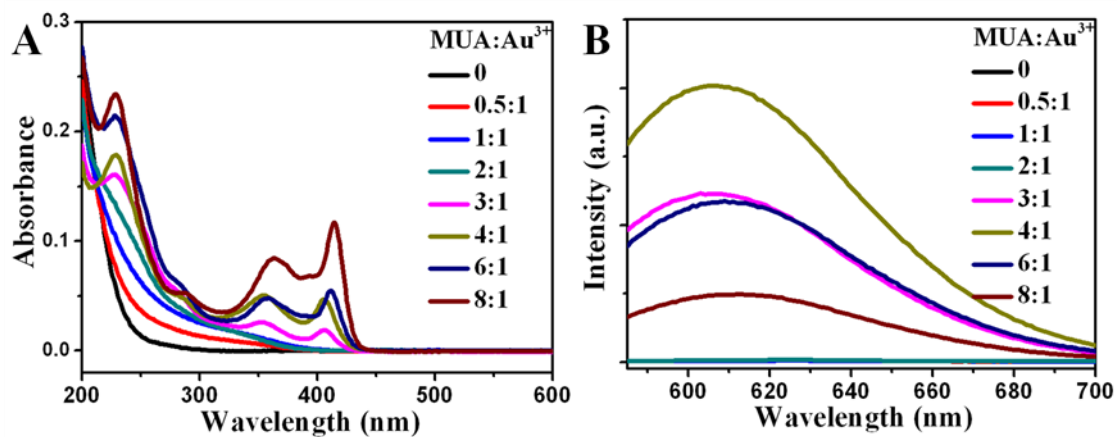


Fig. S1 (A) UV-vis absorption spectra and (B) fluorescence emission spectra (excitation at 280 nm) of AuNCs synthesized from different ratios of 11-MUA to Au³⁺.

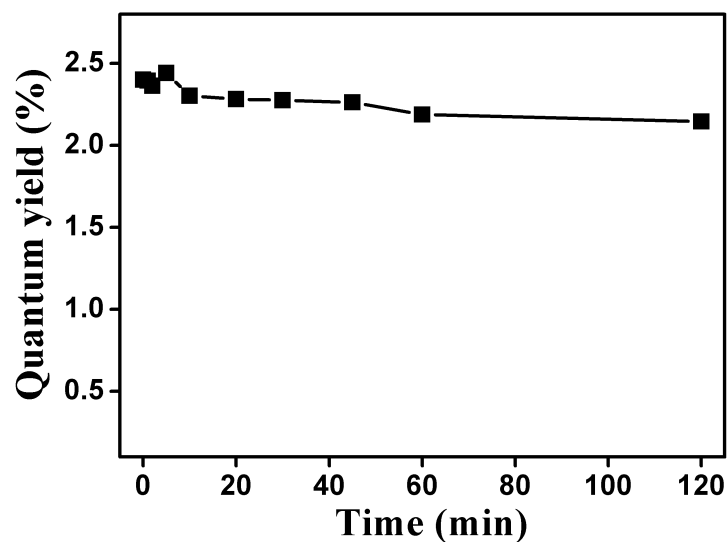


Fig. S2 The quantum yields of the 11-MUA-AuNCs in aqueous solution measured as a function of the UV irradiation time (254 nm).