

Supporting Information

Gold Nanostar-Based Sensitive Catechol Plasmonic Colorimetric Sensing Platform with Ultra-Wide Detection Range

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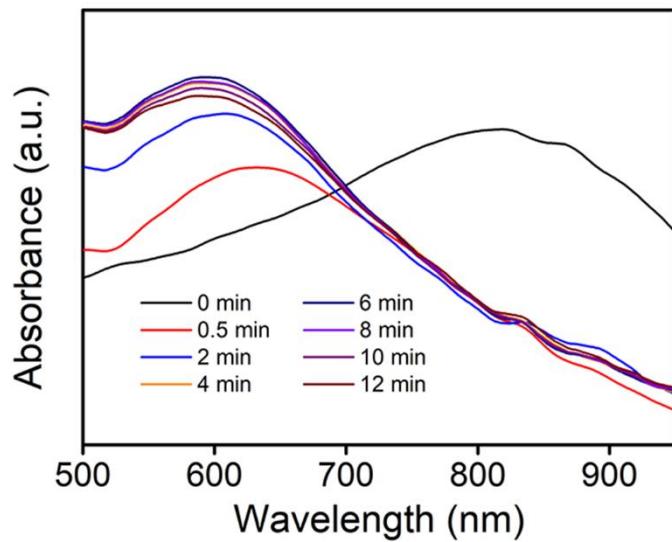


Figure S1. UV-vis spectra of 65.0 μM CC-mediated reduction of Ag^+ on the Au NSs at different reaction times.

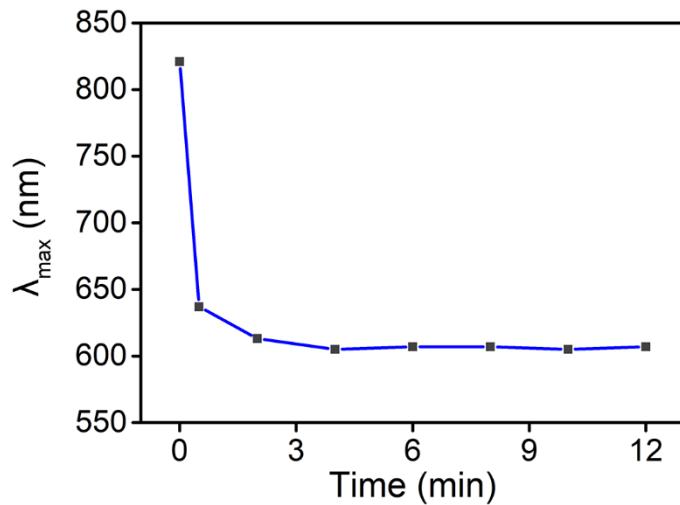


Figure S2. The absorption maximum (λ_{\max}) of 65.0 μM CC-mediated reduction of Ag^+ on the Au NSs at different reaction times.

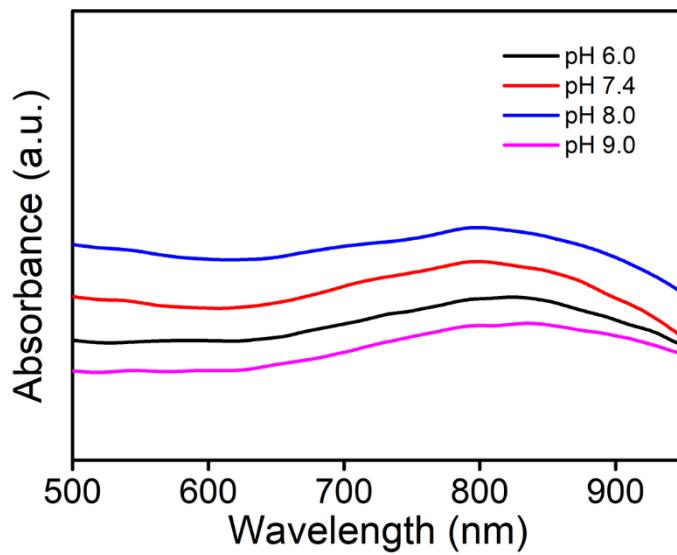


Figure S3. UV-vis spectra of the Au NSs-based plasmonic colorimetric sensing platform under various pH.

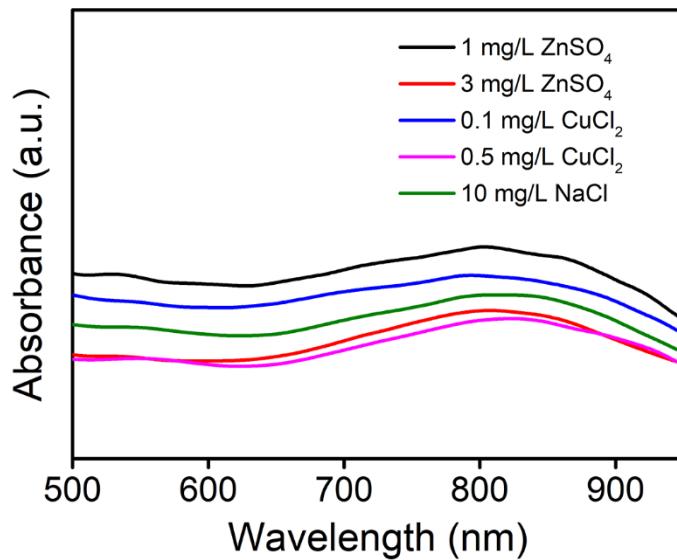


Figure S4. UV-vis spectra of the Au NSs-based plasmonic colorimetric sensing platform under various concentrations of metallic ions and ionic strength.

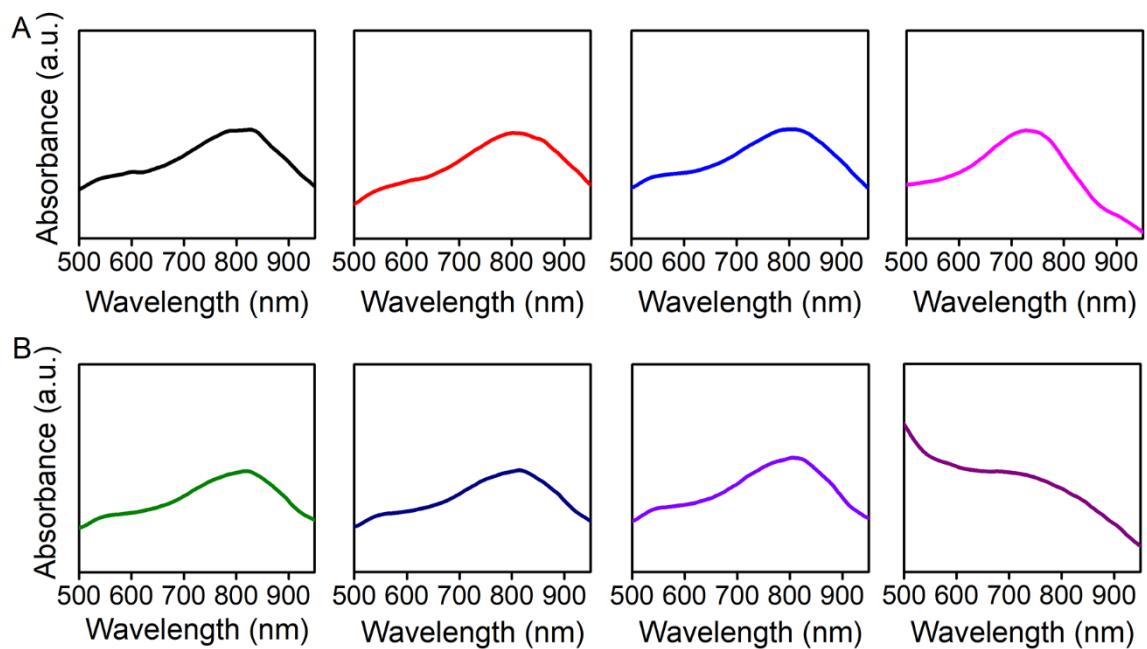


Figure S5. UV-vis spectra obtained by the proposed detection system of different spiked condition of 0, 0.0100 μM , 0.100 μM , and 10.0 μM CC (from left to right) in (A) tap water and (B) industrial wastewater.