

Electronic Supplementary Information For

Toward ultrasensitive and fast colorimetric detection of indoor formaldehyde across the visible region using cetyltrimethylammonium chloride-capped bone-shaped gold nanorods as “chromophores”

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S.1



Figure S1. Photograph of the setup for air sample collection.

S.2

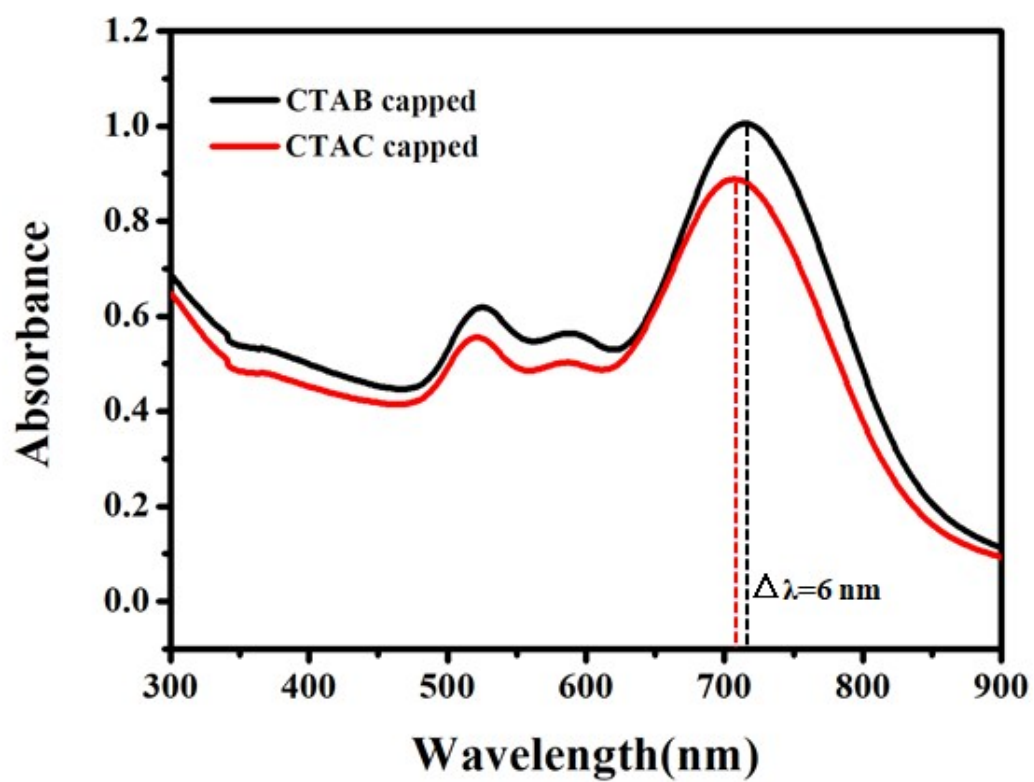


Figure S2. UV-vis spectra of the bone-shaped Au NRs capped with CTAB and CTAC.

S.3

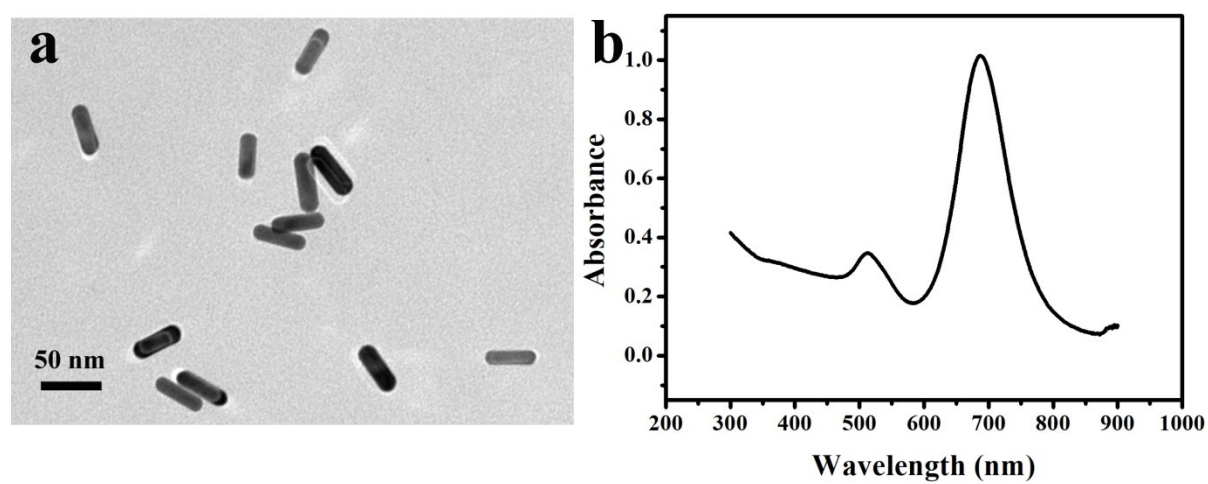


Figure S3. A typical TEM image and UV-vis absorption spectra of routine Au NRs.

S.4

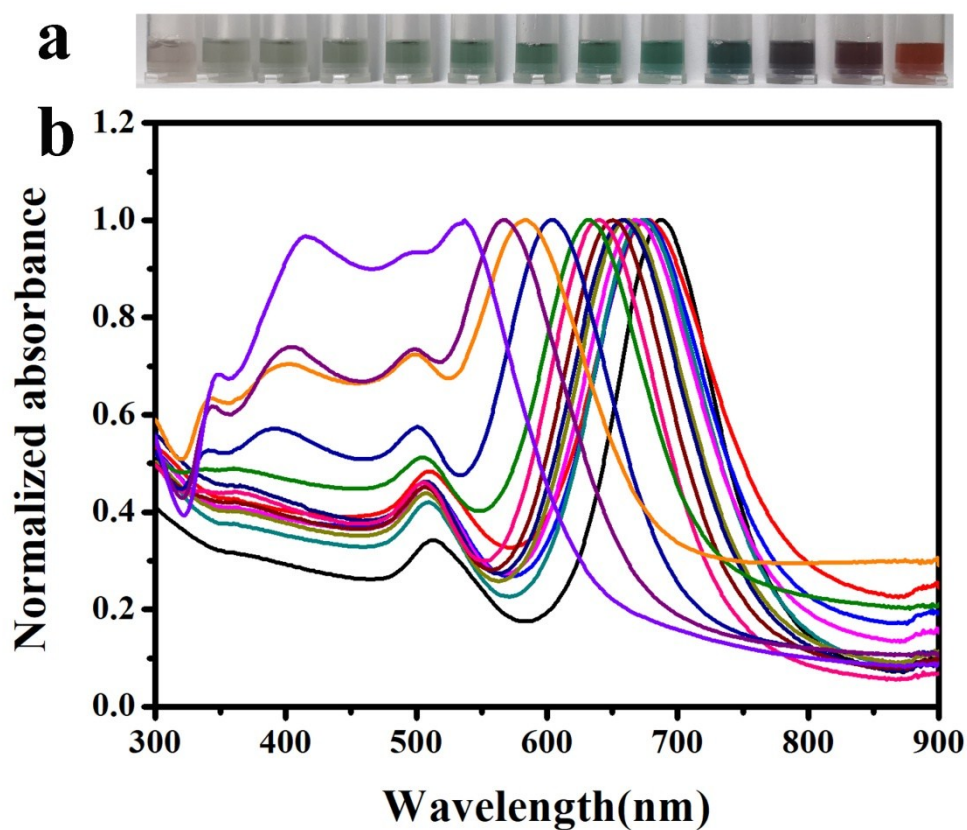


Figure S4. Photograph (a) of routine Au NRs-Tollens reagent mixture after incubation with different concentration of HCHO. (From left to right: the concentration of HCHO are 0, 0.1, 0.2, 0.5, 1, 2.5, 7.5, 15, 25, 30, 40, 50, 75 μM) and their corresponding UV-vis spectrum (from right to left).