

Supplementary Data

Guests mediated supramolecule-modified gold nanoparticles network for mimic enzyme application

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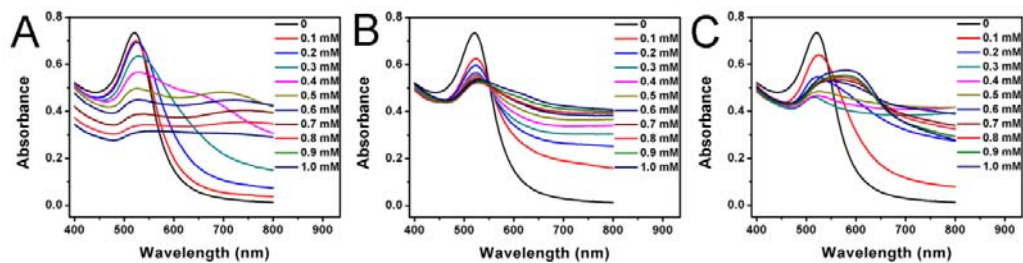


Fig. S1 — UV-visible spectra for the pSC₄-AuNPs assembly process at 0 mM, 0.1mM, 0.2mM, 0.3mM, 0.4mM, 0.5mM, 0.6mM, 0.7mM, 0.8mM, 0.9mM and 1.0 mM upon addition of PQ (A), dopamine (B) and HMD (C).

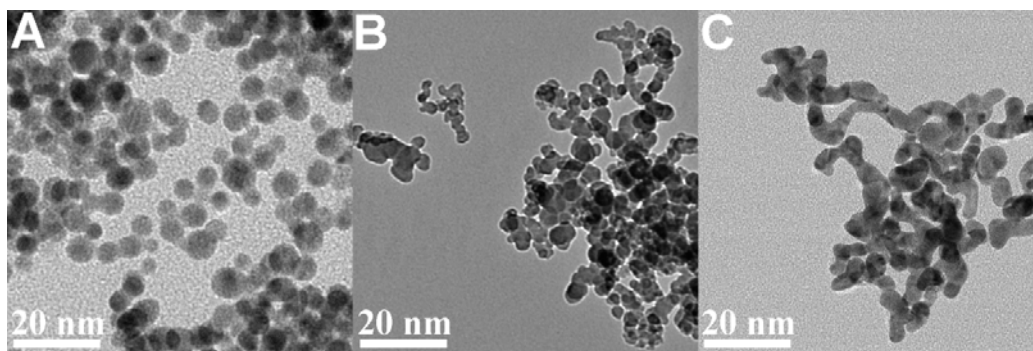


Fig. S2 — TEM of the pSC₄-AuNPs (A) and the pSC₄-AuNPs assembled by PQ (B) and HMD (C).

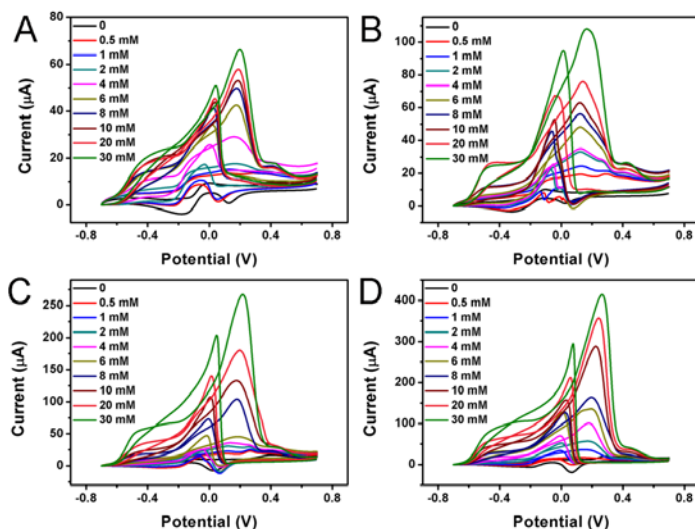


Fig. S3 — CVs of the pSC₄-AuNPs (A), PQ-pSC₄-AuNPs (B), dopamine-pSC₄-AuNPs (C) and HMD-pSC₄-AuNPs (D) modified electrodes correspond to different concentrations of glucose in the range from 0–30 mM in 0.1 M NaOH at a scan rate of 50 mV s⁻¹.

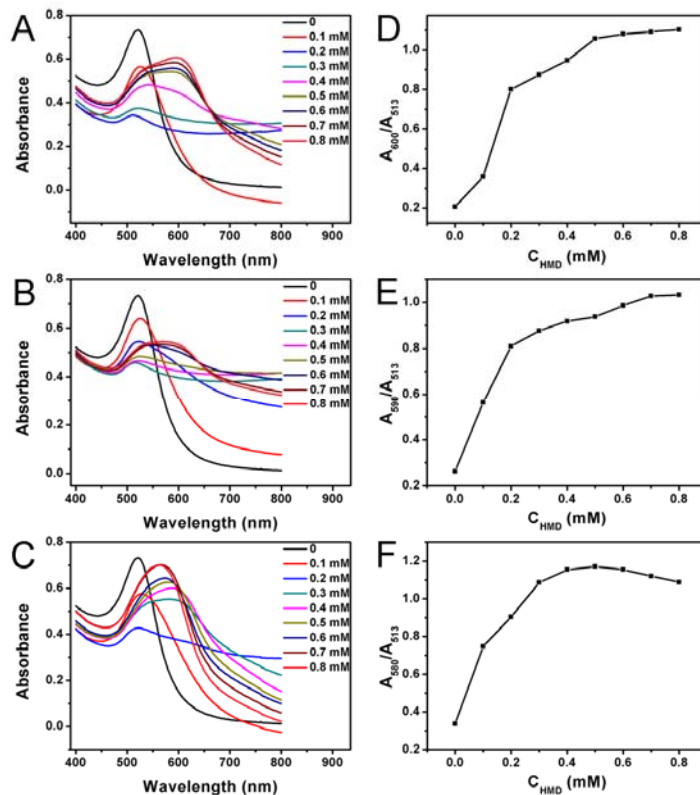


Fig. S4 — UV-visible spectra and plots for the pSC₄-AuNPs assembly process at 0 mM, 0.1mM, 0.2mM, 0.3mM, 0.4mM, 0.5mM, 0.6mM, 0.7mM and 0.8mM upon addition of 1,4-diaminobutane (A and D), 1,6-diaminohexane (B and E) and 1,8-diaminooctane (C and F).