Electrochemical sensing of H₂O₂ released from living cells based on AuPd alloy modified PDA nanotubes

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Figure S1. The preparation of AuPd-PDA nanotubes.



Figure S2. SEM image of ZnO nanorods.



Figure S3. SEM (a) and TEM (b) image of PDA-ZnO nanorods.



Figure S4. Amperometric responses of AuPd-PDA/GCE electrode to the successive addition of different 1 mM H_2O_2 into Ar-saturated PBS at different applied potential (-0.05V~-0.4V) under stirring.



Figure S5. CV curves of bare GCE, PDA tubes/GCE and AuPd-PDA/GCE electrodes

in $K_3[Fe(CN)_6]/K_4[Fe(CN)_6]$ solution containing 0.1 M KCl at the scan rate of 50 mV·s⁻¹.



Figure S6. The plot of reduction peak current versus H_2O_2 concentration (0.5-5 mM).



Figure S7. The stability of the AuPd-PDA/GCE electrodes for seven days.