

# Supplementary Materials

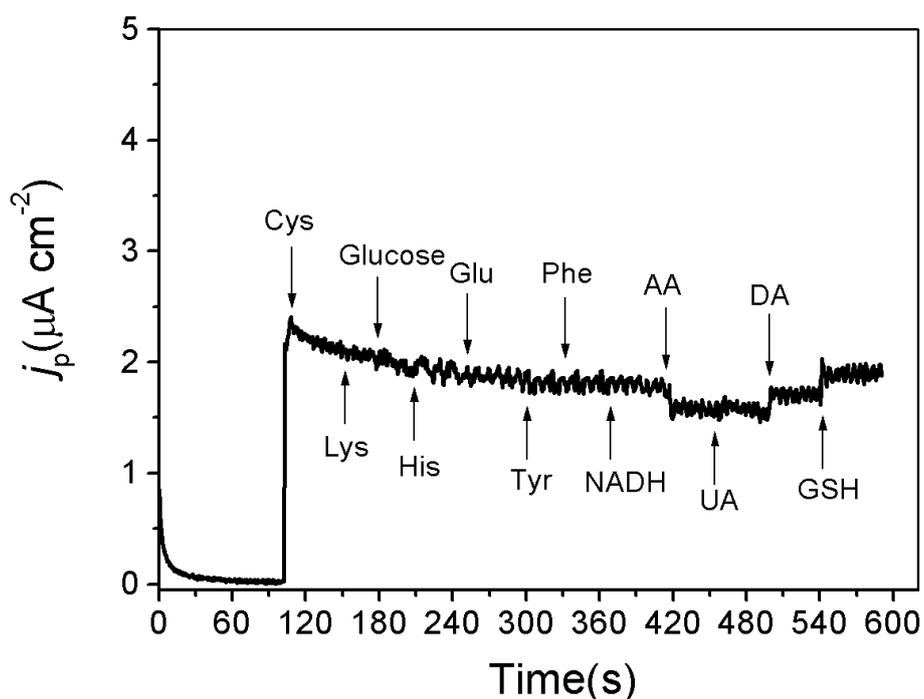
## Surface plasmon resonance enhanced photoelectrochemical sensing of cysteine based on Au nanoparticle-decorated ZnO@graphene quantum dots

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### 1. The interference experiment



**Figure S1.** The current vs time data plot of the sensor towards 5  $\mu\text{M}$  of cysteine and 50  $\mu\text{M}$  of other interfering species. The PEC measurements were carried out in 0.1 M PB (pH 7.0) at applied potential of 0.0 V under light irradiation.