Supporting information

Painless and sensitive Pepsinogen I detection: an electrochemical immunosensor based on rhombic dodecahedral Cu_3Pt and MoS_2 NFs

Shanshan Wei[1], Shiyong Li[1], Haolin Xiao[1,2], Feijun Zhao[2], Jianming Zhu[2], Zhencheng Chen[1,2,*], Liangli Cao[2*]

1. School of Electronic Engineering and Automation, Guilin University of Electronic Technology, Guilin 541004, China

2. School of Life and Environmental Sciences, Guilin University of Electronic Technology, Guilin 541004, China

*Corresponding authors: chenzhcheng@163.com (Zhencheng Chen), caoliangli216@163.com (Liangli Cao)

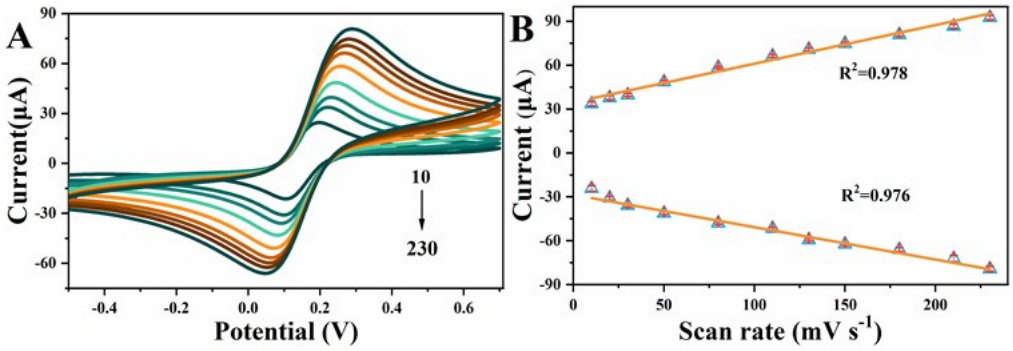

Fig.S1. (A) CVs of the immunosensor at different scan rates; 10, 20, 30, 50, 80, 110, 130, 150, 180, 210 and 230 mV s^{-1} in in a 5 mM $Fe(CN)_6^{3-/4-}$ solution (B) The linear relationship between the peak currents and the scan rate.

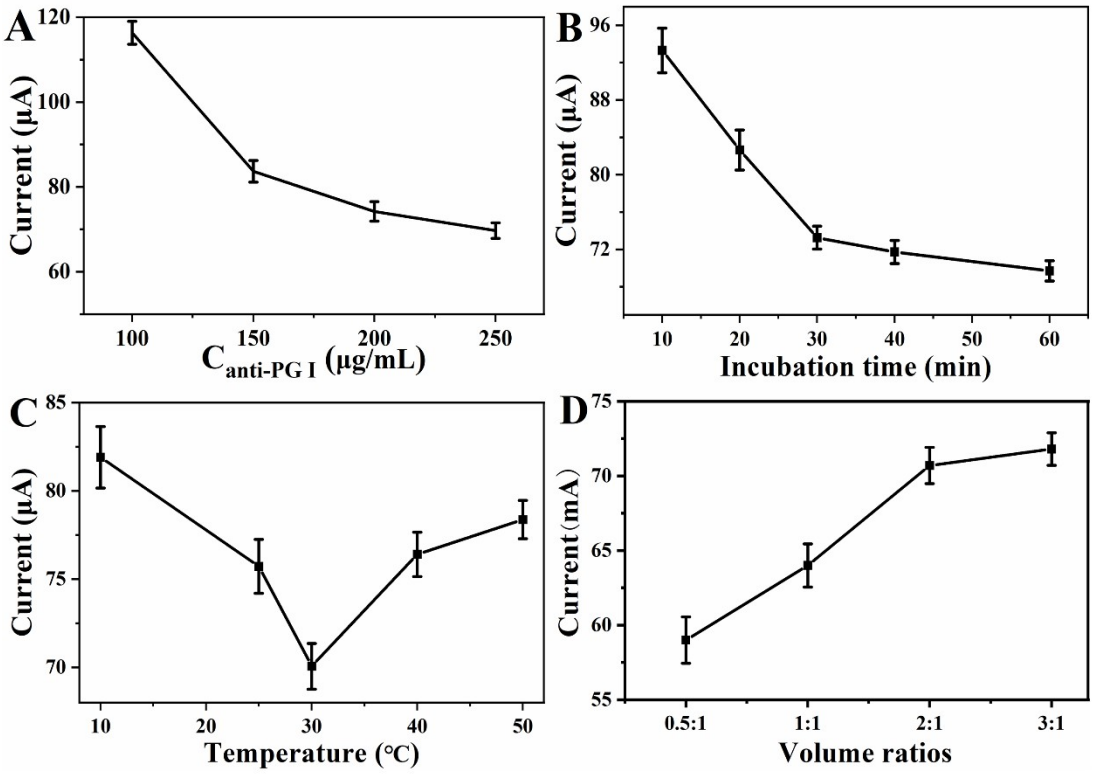

Fig. S2. The effect of the (A) concentration of anti-PG I, (B) incubation time, (C) incubation temperature and (D) concentration of $MoS_2@Cu_3Pt$ NPs on peak currents of the proposed immunosensor.