

Supplementary Materials: Mesoporous CoO_x/C Nanocomposites Functionalized Electrochemical Sensor for Rapid and Continuous Detection of Nitrite

Xuhua Dong ¹, Siqi Xie ¹, Jingyang Zhu ¹, Haiquan Liu ¹, Yong Zhao ¹, Tianjun Ni ^{2,*}, Long Wu ^{3,*} and Yongheng Zhu ^{1,*}

¹ Laboratory of Quality & Safety Risk Assessment for Aquatic Products on Storage and Preservation (Shanghai), College of Food Science and Technology, Ministry of Agriculture and and Shanghai Engineering Research Center of Aquatic-Product Processing & Preservation Shanghai Ocean University, Shanghai 201306, China; xhdong5939@126.com (X.D.); 13651676832@163.com (S.X.); 15837688323@163.com (J.Z.); hqliu@shou.edu.cn (H.L.); yzhao@shou.edu.cn (Y.Z.)

² School of Basic Medicine, Xinxiang Medical University, Xinxiang 453003, China

³ National “111” Center for Cellular Regulation and Molecular Pharmaceutics, Key Laboratory of Fermentation Engineering (Ministry of Education), College of Bioengineering and Food, Hubei University of Technology, Wuhan 430068, China

* Correspondence: tjni@xxmu.edu.cn (T.N.); longquan.good@163.com (L.W.); yh-zhu@shou.edu.cn (Y.Z.); Tel.: +86-0373-3831859 (T.N.); +86-0898-66198861(L.W.); +86-021-61900354 (Y.Z.)

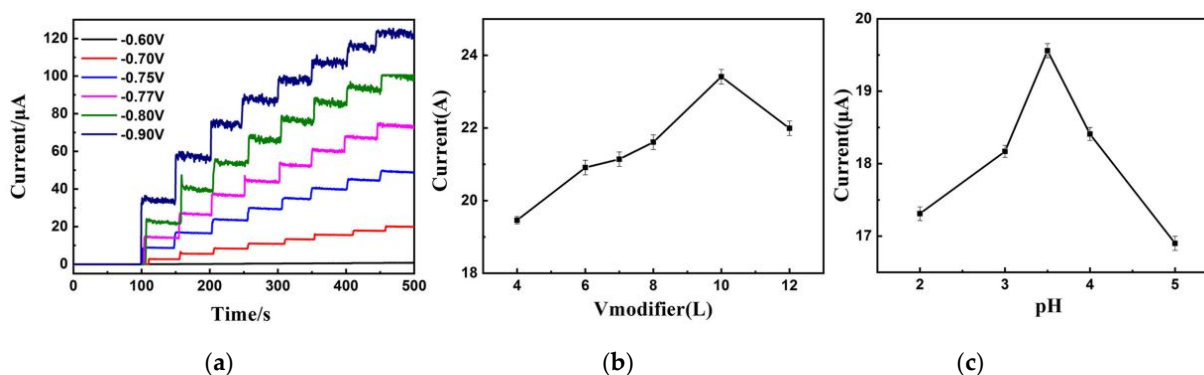


Figure S1. Current response of $\text{CoO}_x/\text{C}@GCE$ at different (a) applied potentials; (b) volume of modifier; (c) pH value of PBS.

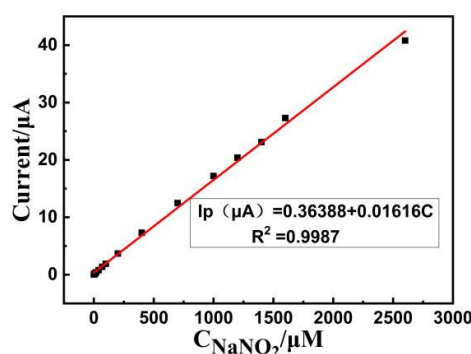


Figure S2. Calibrated curve between the amperometric responses and nitrite concentrations from 0.2 to 2500 μM .