

Supporting Information

Boosting Plasmon-Enhanced Electrochemistry by In-Situ Surface Cleaning of Plasmonic Nanocatalysts

Yu Wang,^{a,b} Xueqing Sang,^{a,b} Fengxia Wu,^b Yuanhao Pang,^a Guobao Xu,^b Yali Yuan,^{*a}

Hsien-Yi Hsu^c and Wenxin Niu^{*b}

*^aGuangxi Key Laboratory of Electrochemical and Magneto-chemical Functional
Materials, College of chemistry and bioengineering, Guilin University of Technology,
Guilin 541006, China.*

*^bState Key Laboratory of Electrochemical Chemistry, Changchun Institute of Applied
Chemistry, Chinese Academy of Sciences, 5625 Renmin Street, Changchun, Jilin
130022, China.*

*^cSchool of Energy and Environment, Department of Materials Science and
Engineering, City University of Hong Kong, Kowloon Tong, Hong Kong 999077,
China.*

Email: thanksin2013@163.com; niuwx@ciac.ac.cn

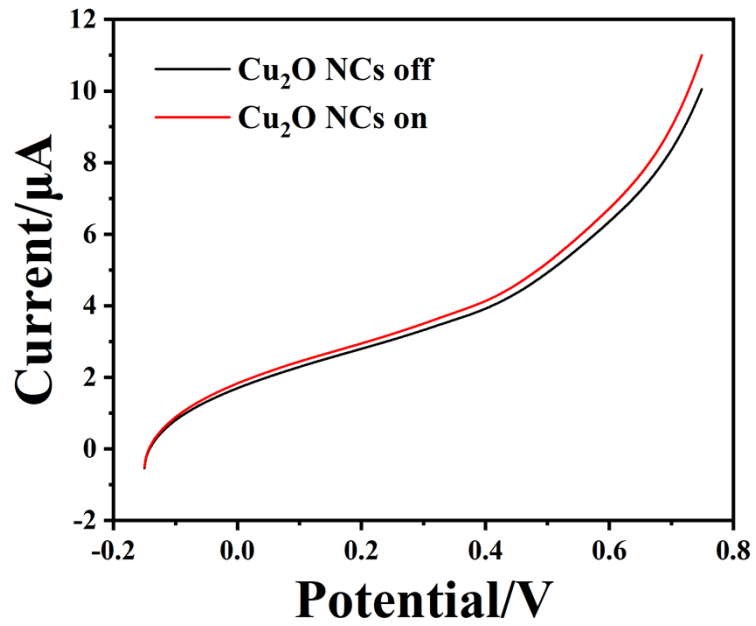


Figure S1. Forward scan curves of CVs for 50 mM glucose oxidation (in 0.1 M NaOH) on the Cu₂O NCs/GC with and without LSPR excitation.

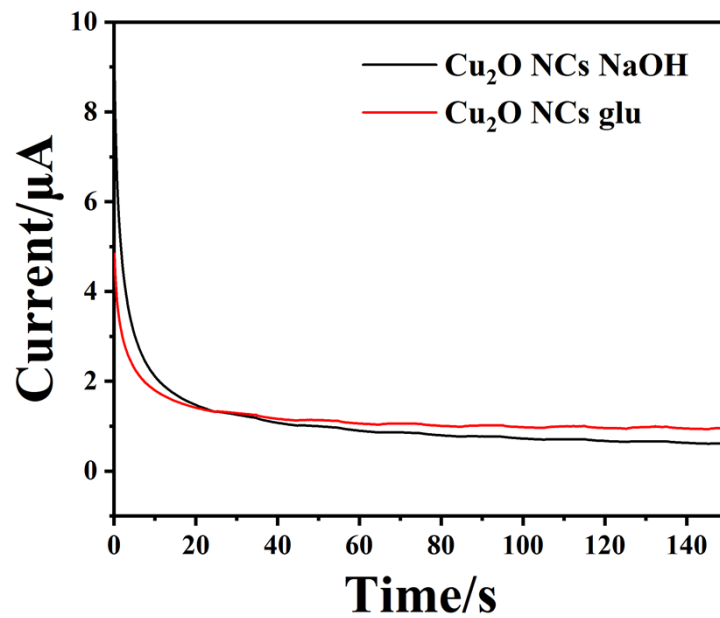


Figure S2. I-t curves at 0.3 V with plasmonic excitation on and off in the presence and absence of 50 mM glucose at the Cu₂O NCs/GC.