

Supporting Information

CuO nanothorn arrays on three-dimensional copper foam as ultra-highly sensitive and efficient nonenzymatic glucose sensor

Wangdong Lu,ab Yujing Suna, Haichao Dai,ab Pengjuan Nia,ab Shu Jiang,ab Yilin Wang,ab Zhen Li,ab and Zhuang Li*a

aState Key Laboratory of Electroanalytical Chemistry, Changchun Institute of Applied Chemistry, Changchun, 130022, Jilin, P. R. China.
bUniversity of Chinese Academy of Sciences, Beijing, 100049, P. R. China
E-mail: zli@ciac.jl.cn; Fax: +86 431 85262057; Tel: +86 431 85262057

Fig. S1 Amperometric responses of the Cu foam (a), NTs-Cu(OH)2/Cu foam (b), NTs-CuO/Cu foam at 0.5 V (vs. Ag/AgCl) in 0.1 M NaOH solution with successive addition of 50 μM glucose.

Fig. S2 Electroanalytical effect of different concentrations of NaOH ((a) 0.1 mM, (b) 1 mM, (c) 10 mM, (d) 0.1 M, (e) 1 M) in the presence of 1 mM glucose. Inset shows the enlarged electroanalytical effect of different concentrations of NaOH (a) 0.1 mM, (b) 1 mM, (c) 10 mM, (d) 0.1 M in the presence of 1 mM glucose.