Electronic Supplementary Information

A facile strategy for the synthesis of hierarchical CuO nanourchins and their application as non-enzymatic glucose sensors[†]

Shaodong Sun, Xiaozhe Zhang, Yuexia Sun, Jie Zhang, Shengchun Yang, Xiaoping Song and Zhimao Yang*

School of Science, State Key Laboratory for Mechanical Behavior of Materials, MOE Key Laboratory for Non-Equilibrium Synthesis and Modulation of Condensed Matter, Xi'an Jiaotong University, Xi'an 710049, ShaanXi, People's Republic of China.

E-mail: zmyang@mail.xjtu.edu.cn (Z. M. Yang), or sdsun@mail.xjtu.edu.cn (S. D. Sun).

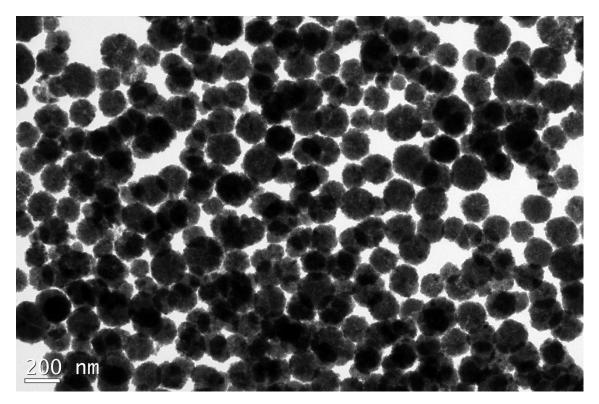


Fig. S1 Low-magnification TEM image of the reported hierarchical Cu₂O nanocrystals.

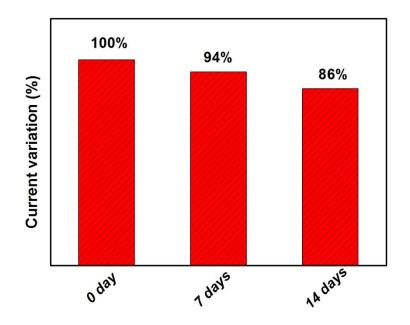


Fig. S2 The stability of the as-prepared hierarchical-CuO/NFs/GCE electrode.

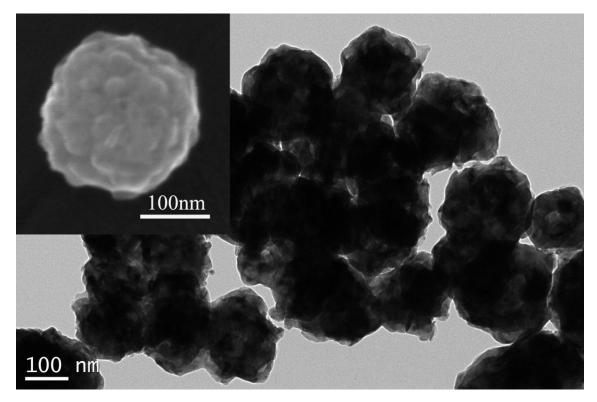


Fig. S3 TEM image of the spherical CuO structures were synthesized by oxidation of the as-reported Cu_2O nanostructures at higher temperature (180 °C) for 7 days, the inset is a typical FESEM image of an individual product.