Supplementary information

Highly Efficient Non-Enzymatic Glucose Sensor Based on CuO Modified Vertically-Grown ZnO Nanorods on Electrode

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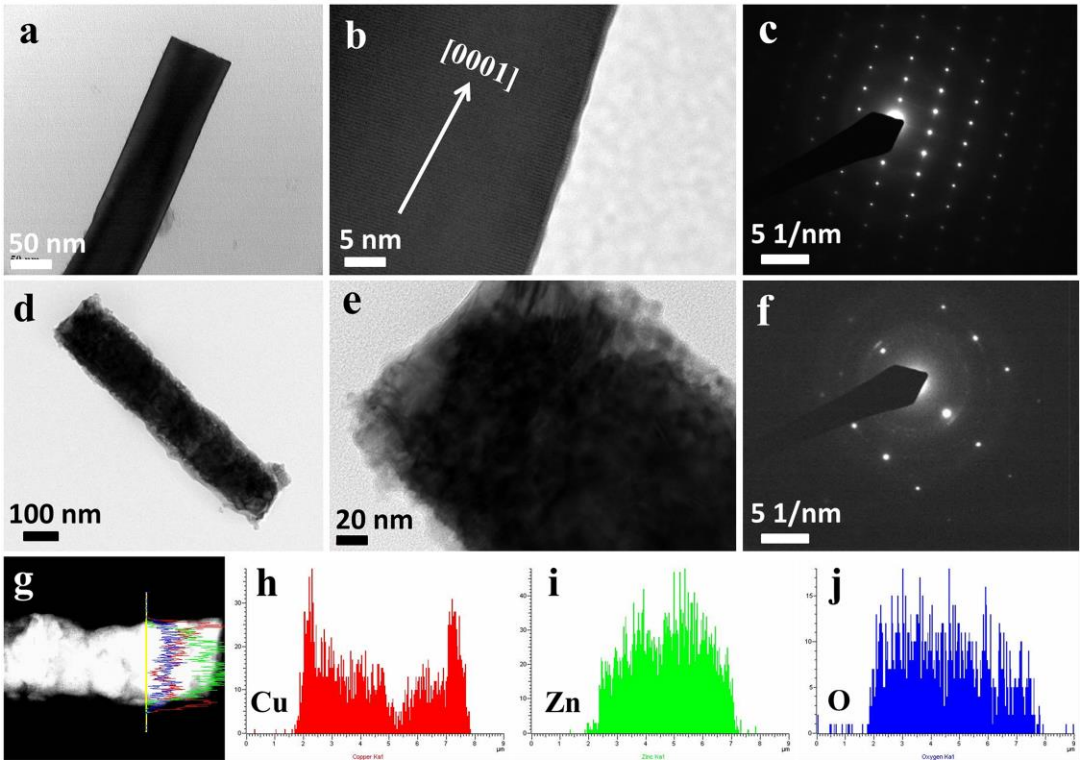
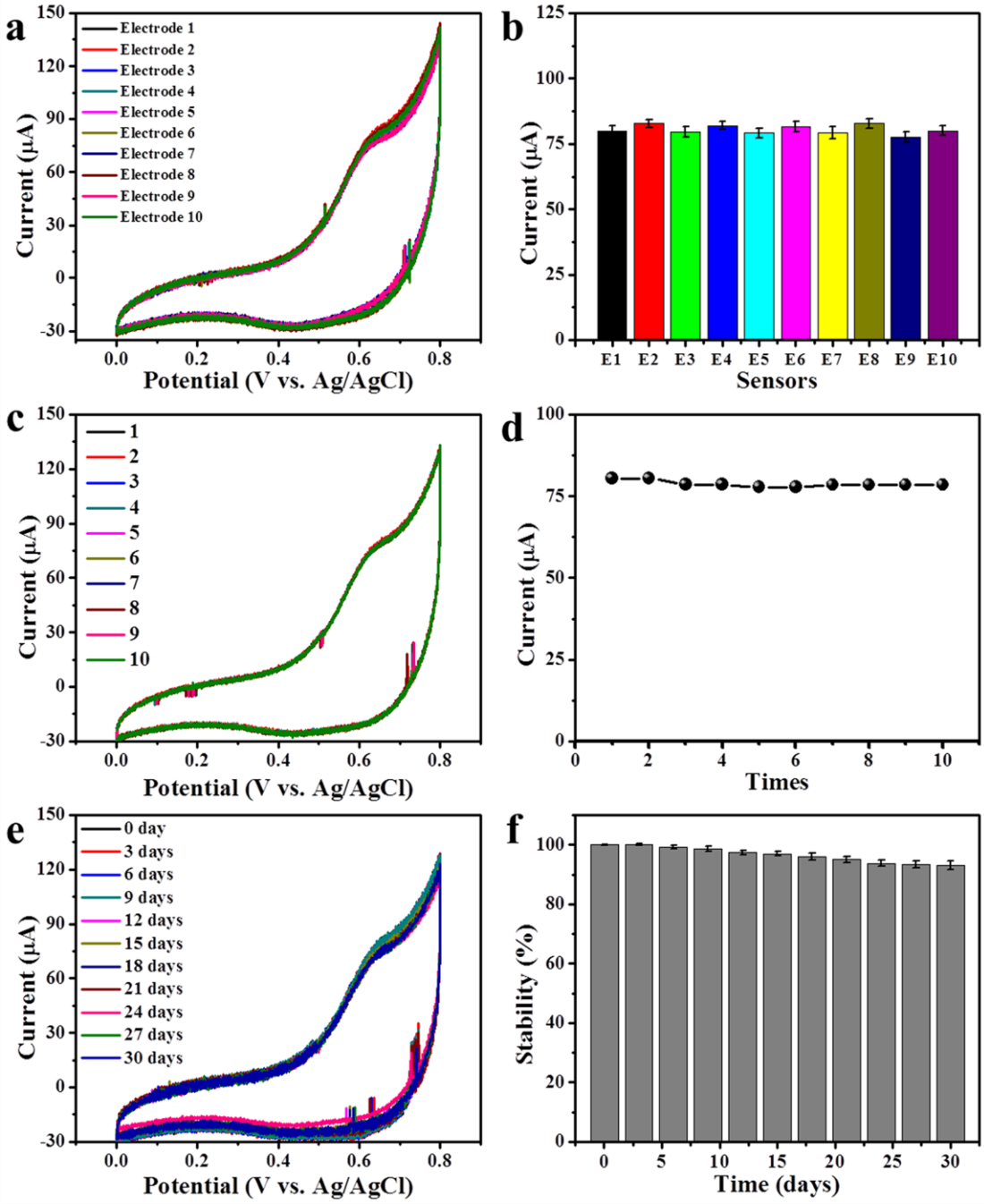


Supplementary Figure S1. TEM images (a and d) and HRTEM images (b and e) of ZnO NR and CuO modified ZnO NR, respectively. SAED pattern of as-synthesized ZnO NR (c) and CuO modified ZnO NR (f), and elemental mapping image of CuO modified ZnO NR (g) showing TEM-EDX-line scan profile of Cu (h), Zn (i) and O (j), respectively.



Supplementary Figure S2. Reproducibility (a-b), reusability (c-d), and stability (e-f) tests. All the tests were performed using CuO-ZnO NRs/FTO electrodes in 0.1 M NaOH solution containing 0.1 mM glucose at the scan rate of 100 mV s^{-1}.