Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2020

## **Supporting Information**

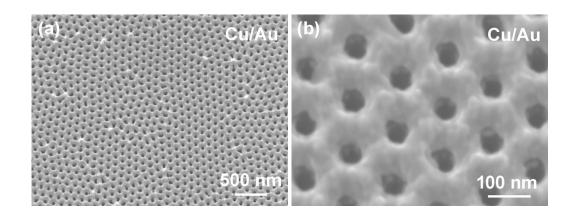
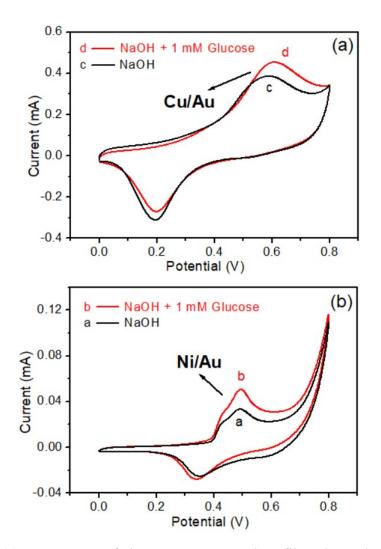


Figure S1 (a) and (b) SEM images of the nanoporous Cu/Au film.



**Figure S2** (a) CV curves of the nanoporous Cu/Au film electrode in the absence (curve a) and presence (curve b) of glucose in 0.2 M NaOH solution. (b) CV curves of the nanoporous Ni/Au film electrode in the absence (curve c) and presence (curve d) of glucose.