



Supporting Information

Synthesis of NiCo₂O₄ Nanostructures and Their Electrochemical Properties for Glucose Detection

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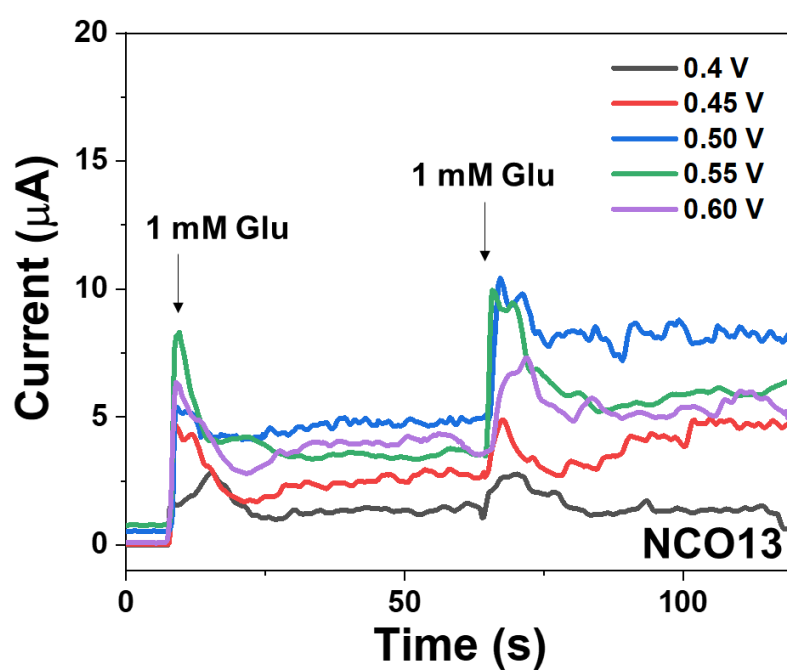
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Table 1. Sample notations of As-prepared and after annealing samples.

Sample name	pH value				
	8	11	12	13	14
As-prepared (NCOBs)	NCO8B	NCO11B	NCO12B	NCO13B	NCO14B
Annealing at 450 °C (NCOs)	NCO8	NCO11	NCO12	NCO13	NCO14

**Figure S1.** CA response of NCO13 electrode upon addition of 1 mM glucose in 1m M NaOH solution at different applied potentials.

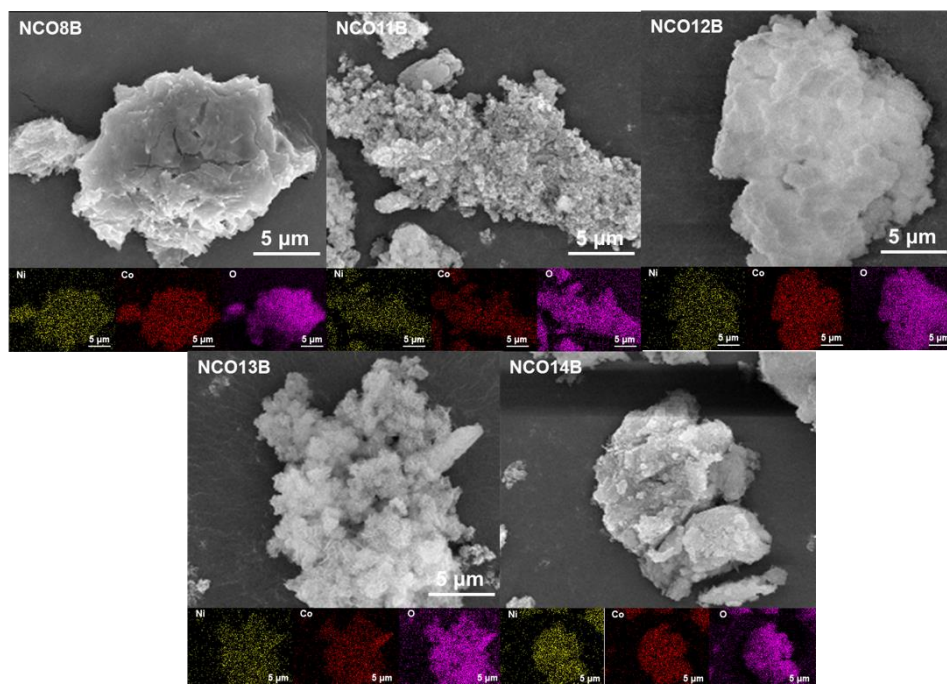
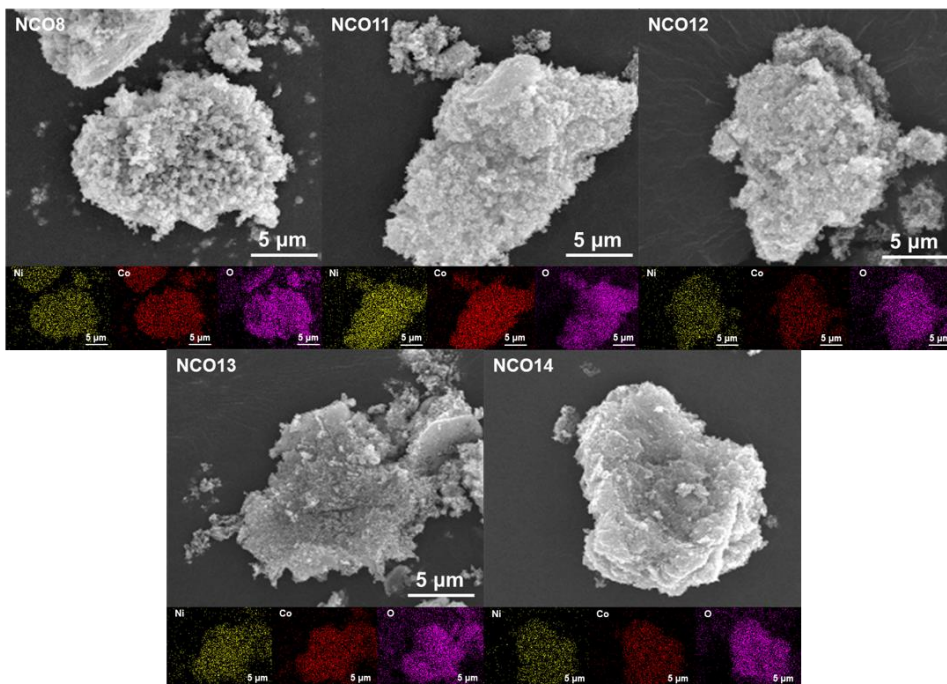
(a)**(b)**

Figure S2. SEM-elemental mapping images of (a) NCOBs (8B, 11B, 12B, 13B, and 14B), and (b) NCOs (8, 11, 12, 13, and 14).

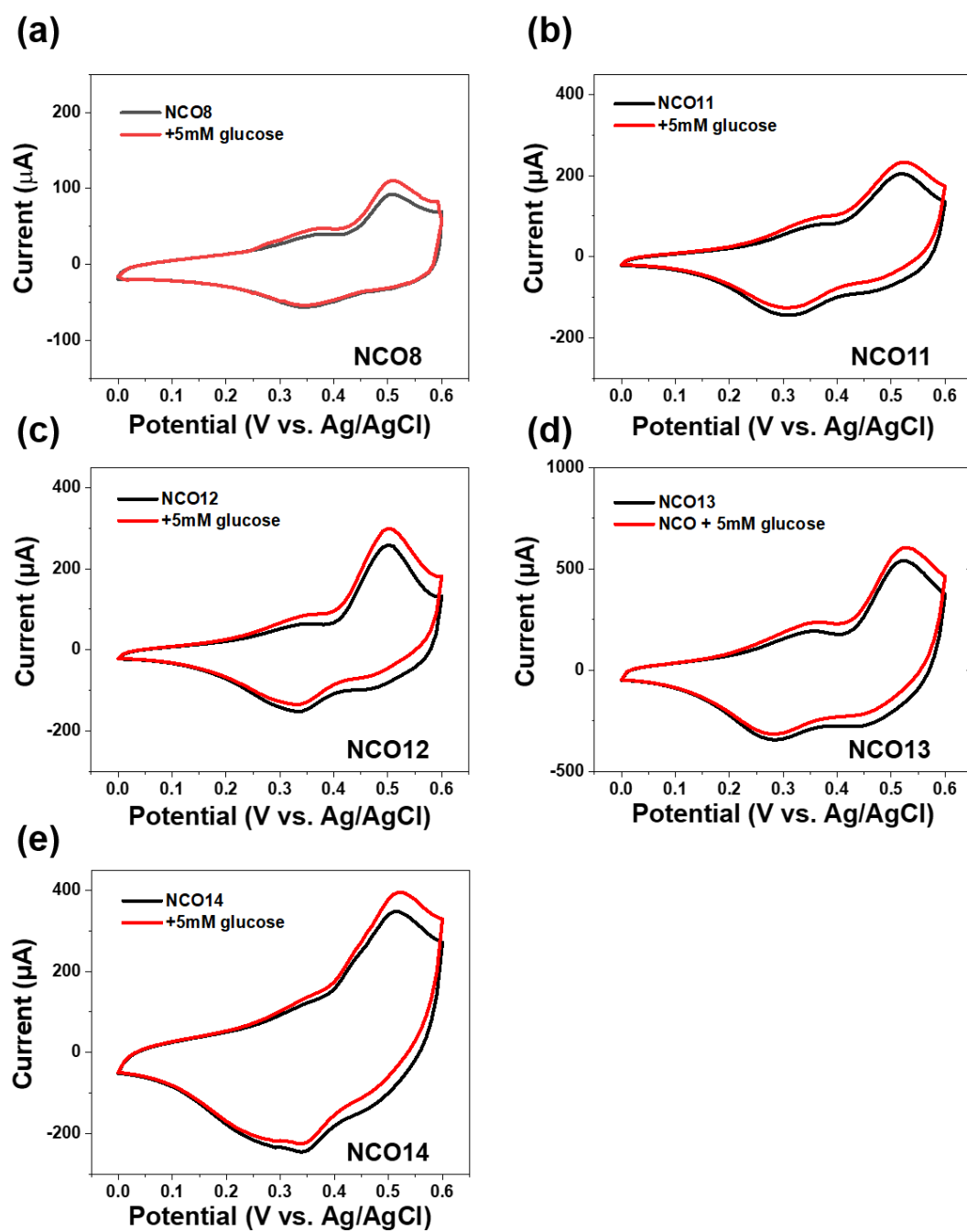


Figure S3. CV curves of (a) NCO8, (b) NCO11, (c) NCO12, (d) NCO13, and (e) NCO14 electrodes in the absence of glucose and with 5 mM concentration of glucose at a scan rate 50 mVs^{-1} .

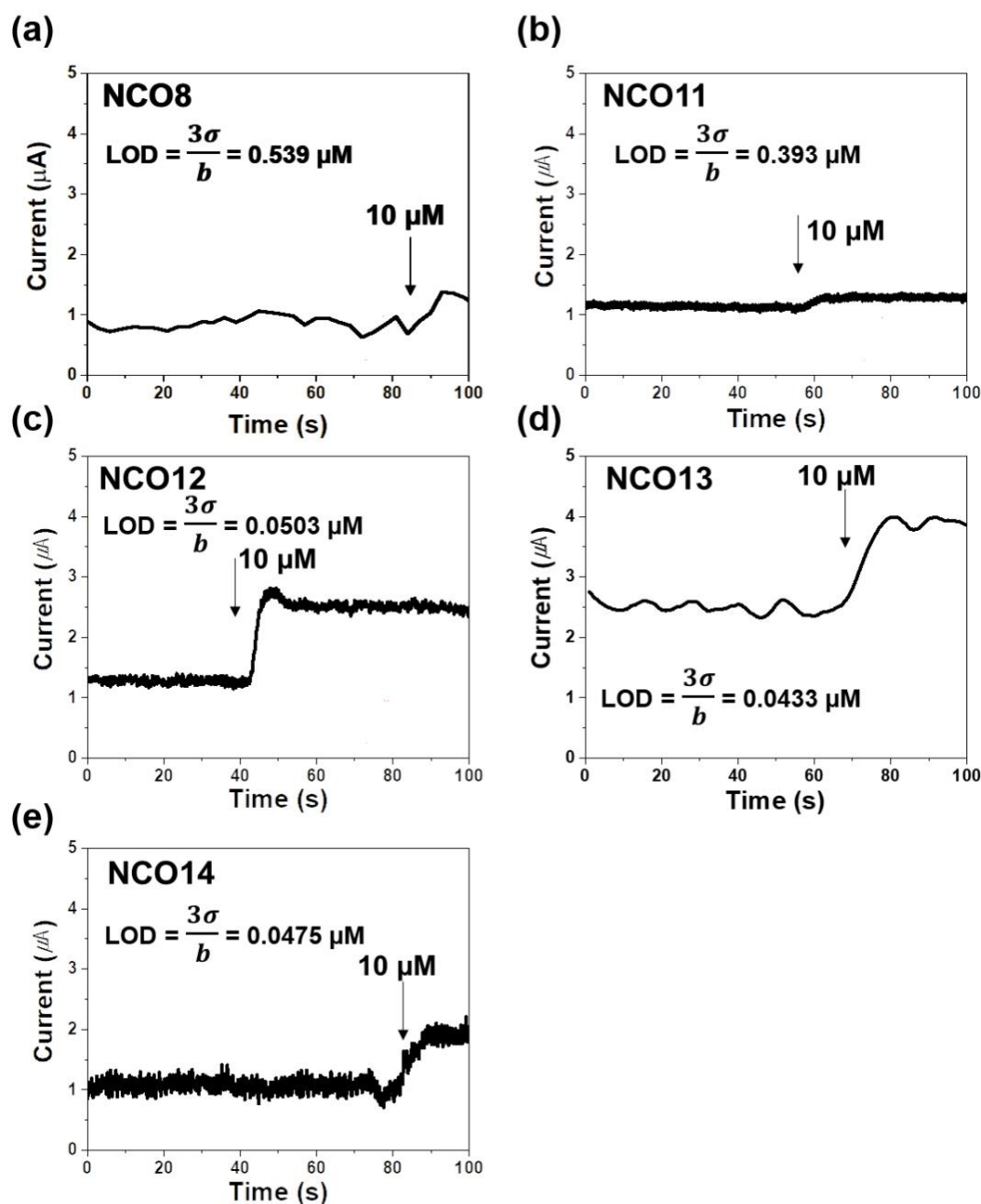


Figure S4. CA response of (a) NCO8, (b) NCO11, (c) NCO12, (d) NCO13, and (e) NCO14 electrodes with the addition of 10 μM glucose in 0.1 M NaOH solution at 0.50 V. The LOD (Limit of detection) calculated by the formula in term of $\text{LOD} = 3\sigma/b$, where σ is the standard deviation of background which is obtained by measuring the current response of NCOs electrode in the 0.1M NaOH solution without glucose, and b is the sensitivity of the NCOs.

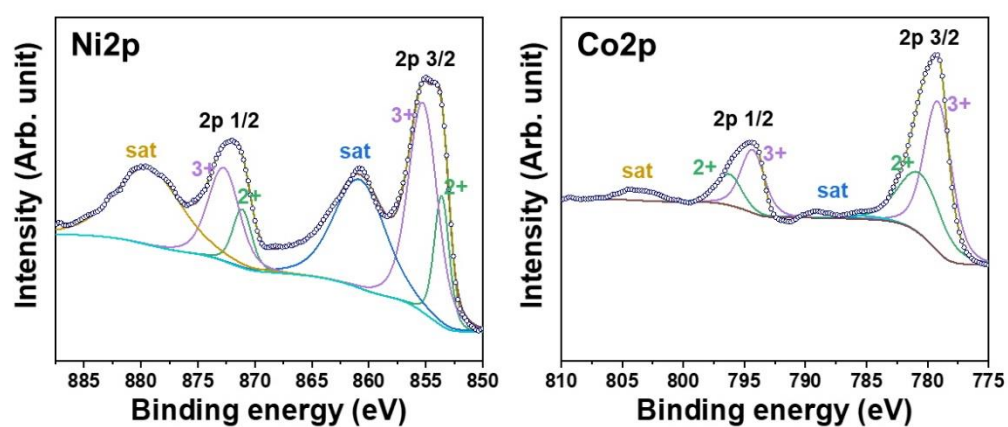


Figure S5. The XPS spectra of Ni2p and Co2p (NCO13).