

ESI

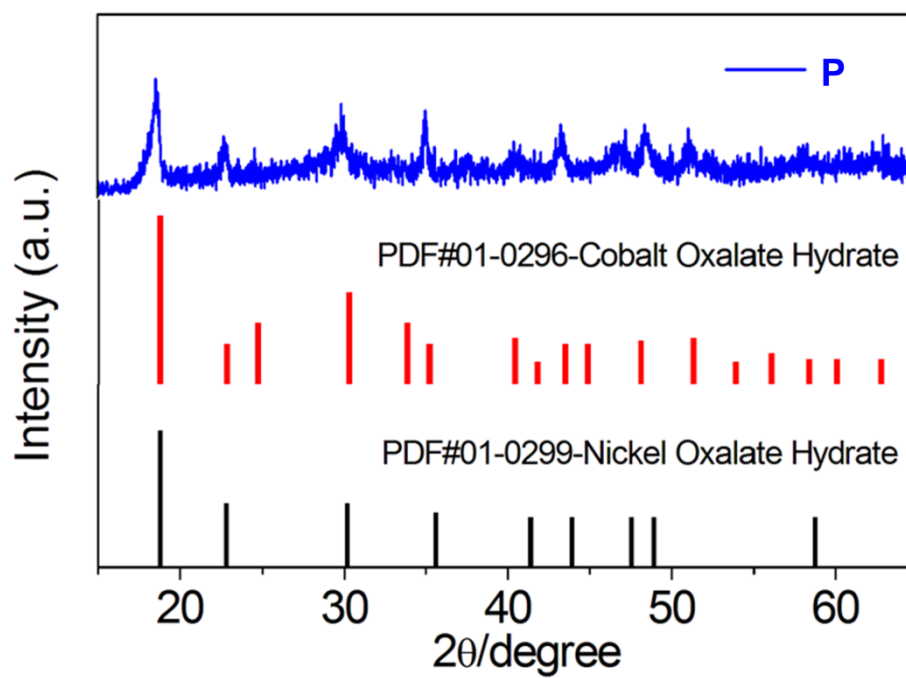


Figure S1 XRD patterns of as-prepared precursor and JCPDS 01-0296 & 01-0299 for $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$ & $\text{NiC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$.

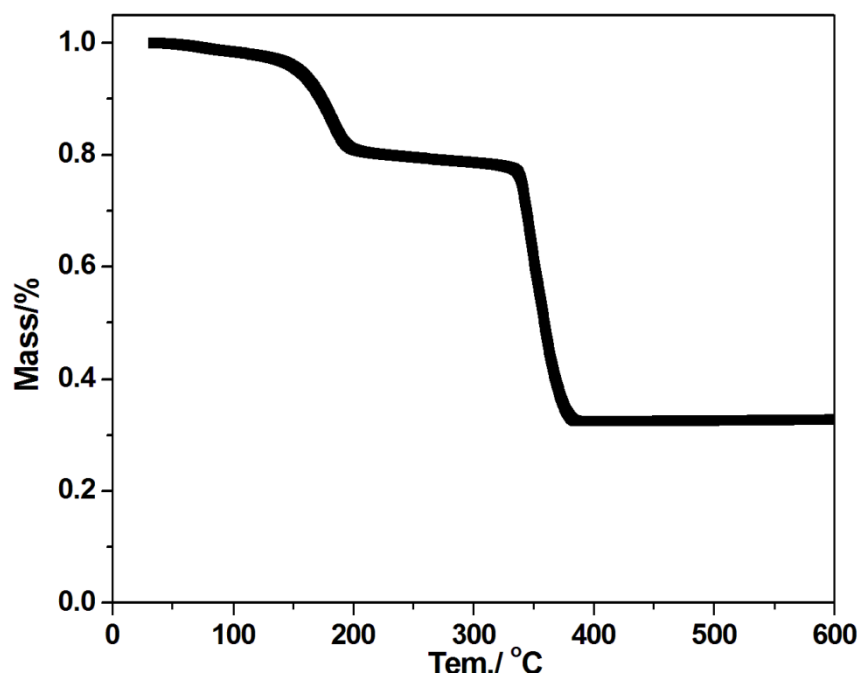


Figure S2 TGA curve of the nickel cobalt oxalate precursor.

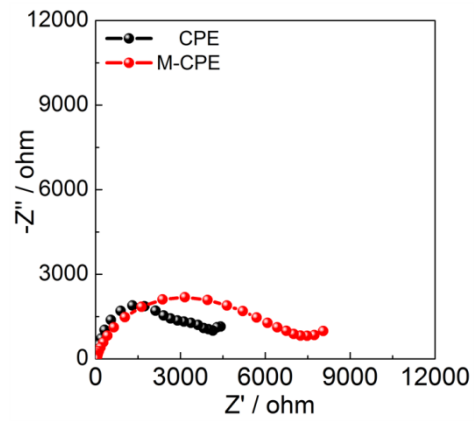


Figure S3 The electrochemical impedance spectra (EIS) of the as-prepared M-CPE and CPE at room temperature is conducted at open circuit voltage in the frequency range of 100 kHz to 0.01 Hz with an AC voltage amplitude of 5 mV in $5 \times 10^{-3} \text{ mol L}^{-1} [\text{Fe}(\text{CN})_6]^{4-/3-} + 0.1 \text{ mol L}^{-1} \text{ KCl} + 10 \times 10^{-3} \text{ mol L}^{-1} \text{ PBS}$ (pH = 7.2).

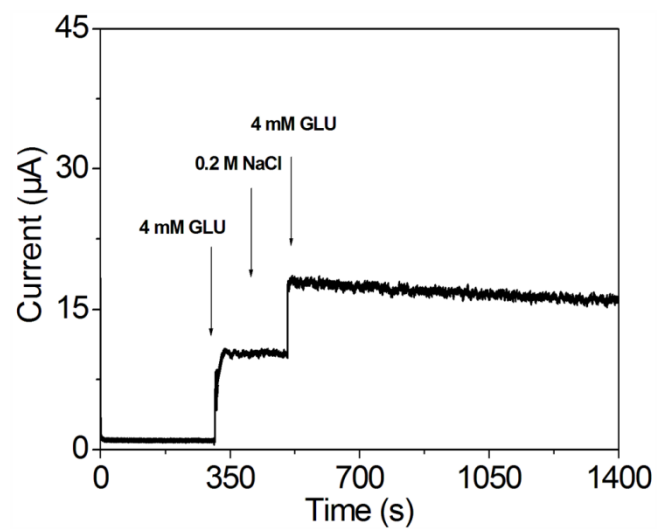


Figure S4 Current-time curves for the M-CPE exposed to 4 mM glucose, 0.2 mM NaCl, and 4 mM glucose in 0.1 M NaOH solution.

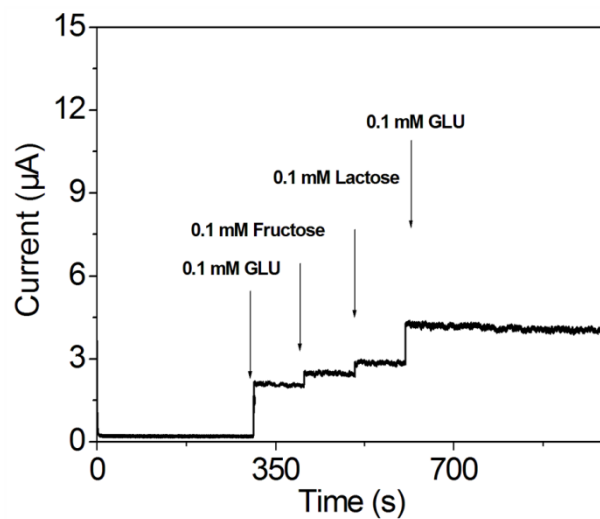


Figure S5 Current-time curves for the M-CPE exposed to 0.1 mM glucose, 0.1 mM fructose, 0.1 mM lactose and 0.1 mM glucose in 0.1 M NaOH solution.