

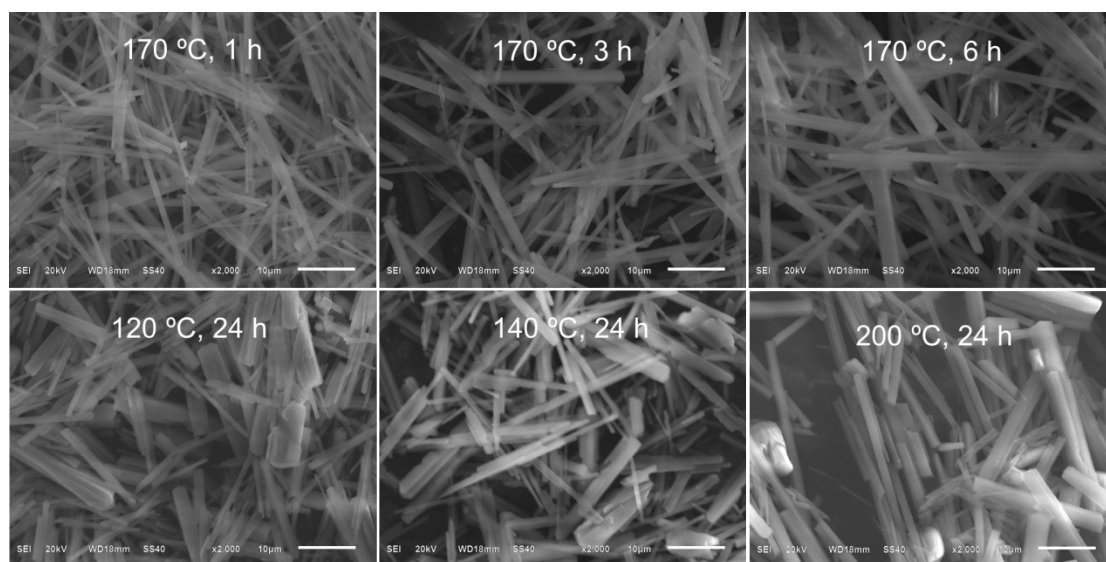
## Electronic Supplementary Information (ESI) for

# Non-precious cobalt oxalate microstructures as highly efficient electrocatalysts for oxygen evolution reaction

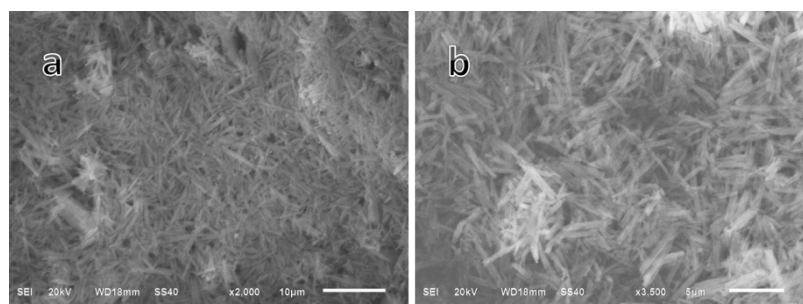
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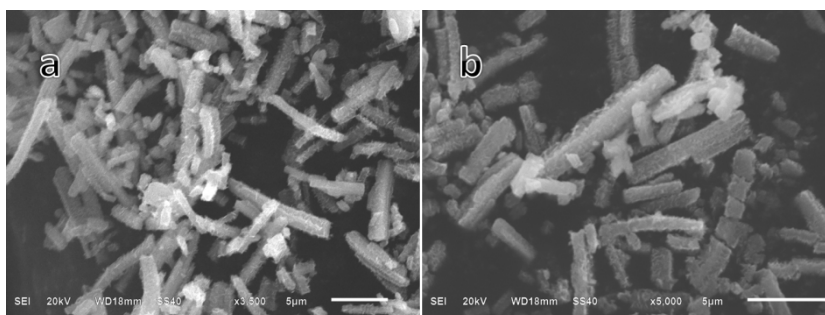
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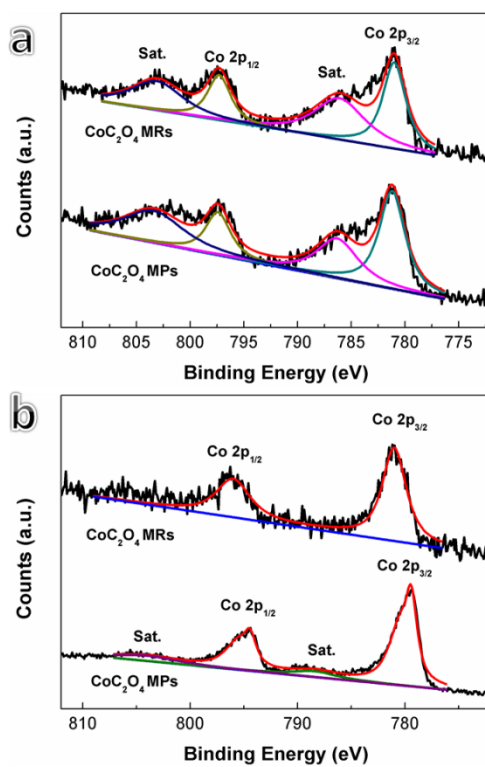
**Fig. S1** SEM images of  $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$  MRs synthesized in mixture solvent of  $\text{H}_2\text{O}/\text{EG}$  by varying reaction temperature or time, which were observed with a JEOL JSM-6510LV scanning electron microscope.



**Fig. S2** SEM images (a,b) of  $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$  synthesized in pure EG at 170 °C for 24 h.



**Fig. S3** SEM images (a,b) of  $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$  MRs after OER.



**Fig. S4** Co 2p XPS spectra of  $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$  MRs and  $\text{CoC}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$  MPs before (a) and after (b) OER.