

**Electronic Supplementary Material****Surface engineering on  $\text{Co}_3\text{O}_4$  through quenching with cold salt solution for enhance oxygen evolution reaction**

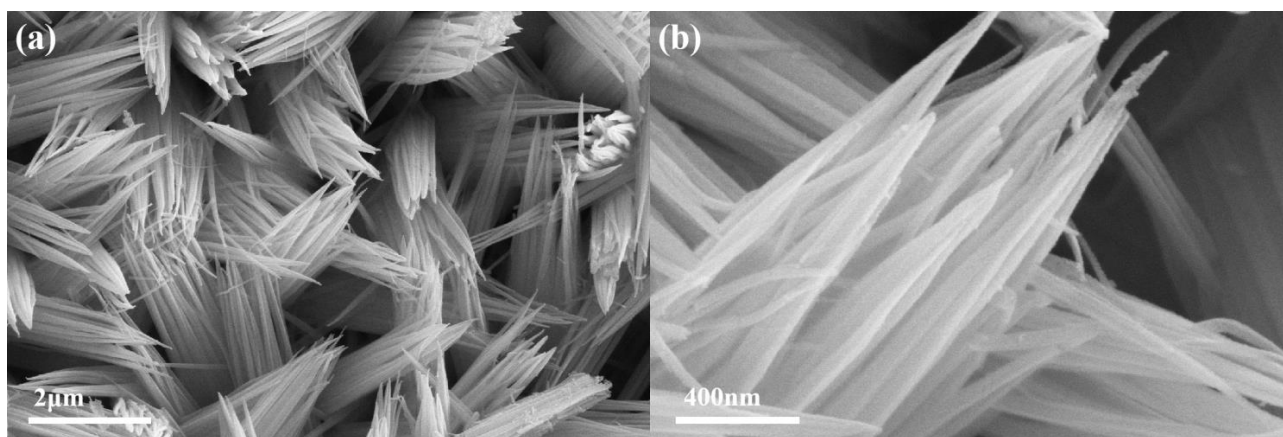
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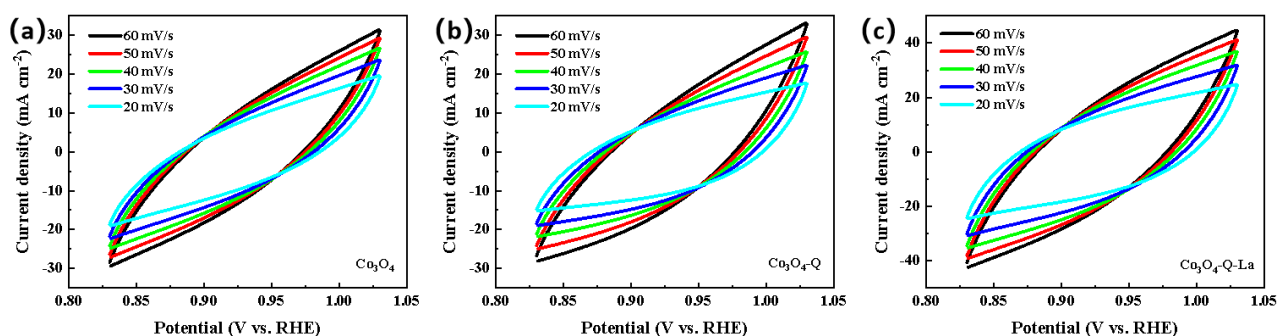
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**Fig. S1** FESEM images of  $\text{Co}_3\text{O}_4$ -Q (a) at low magnification and (b) at high magnification.



**Fig. S2** Cyclic voltammograms of (a)  $\text{Co}_3\text{O}_4$ , (b)  $\text{Co}_3\text{O}_4$ -Q, and (c)  $\text{Co}_3\text{O}_4$ -Q-La at different scan rates (20–60  $\text{mV}\cdot\text{s}^{-1}$ ) for OER.