Supporting information

Uniformly self-decorated Co_3O_4 nanoparticles onto N, S co-doped carbon layers derived from camphor sulfonic acid and metal organic framework hybrids for oxygen evolution electrocatalyst

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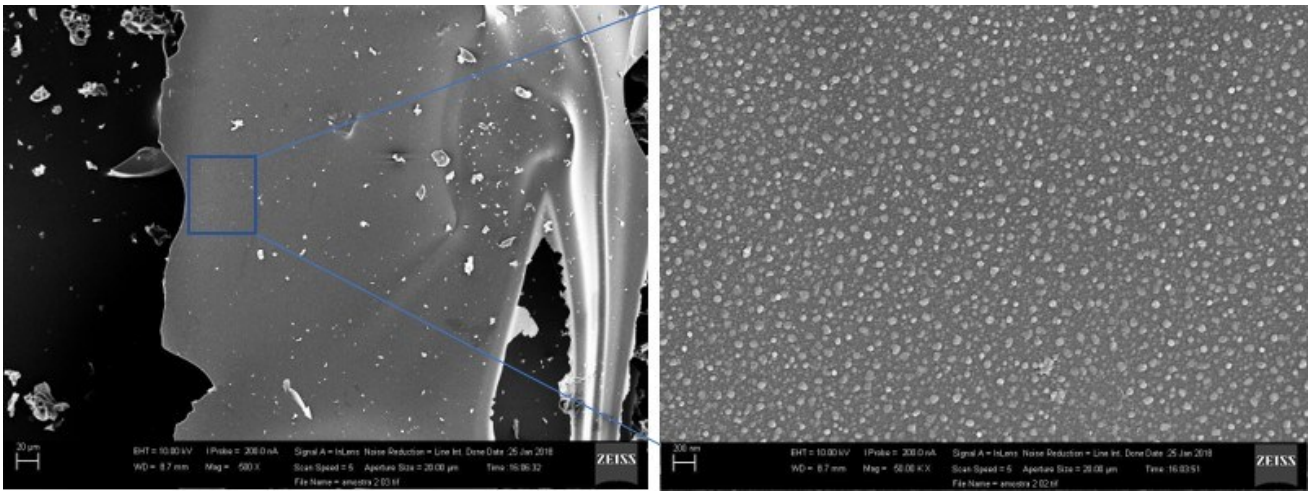

Fig. 1S SEM images of acid treated Co_3O_4/NSC.

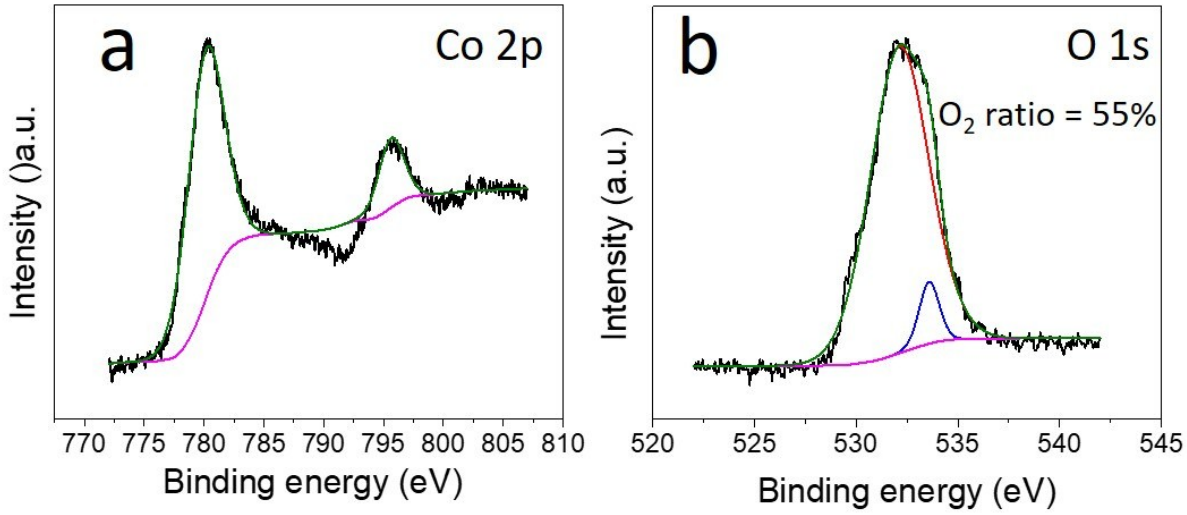

Fig. 2S a) XPS spectra of Co2p of pyrolized ZIF-67 and b) HR-XPS of O 1s of pyrolized ZIF-67.

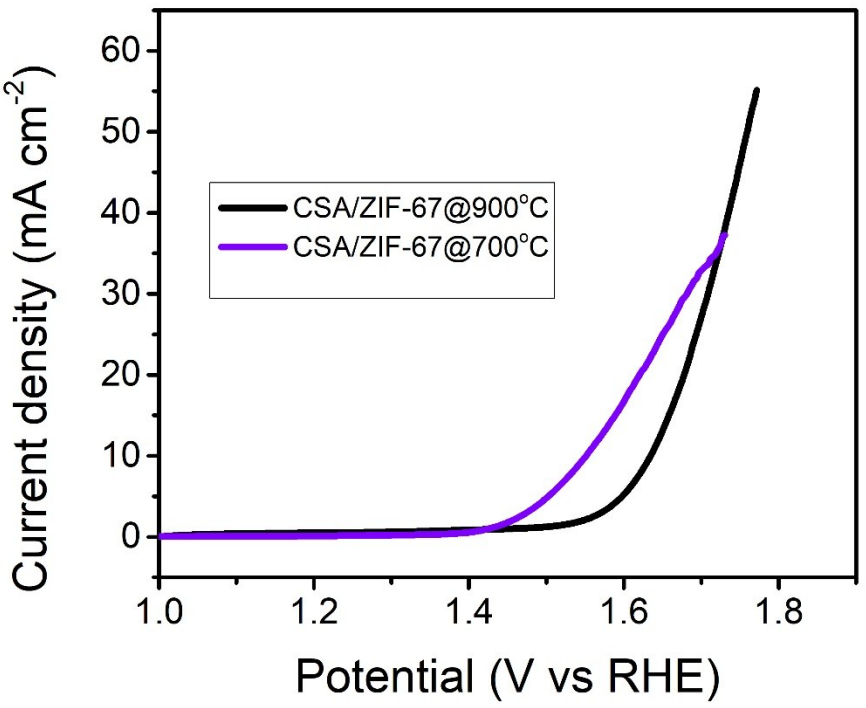

Fig. 3S LSV curves of CSA/ZIF-67 at different pyrolytic temperature.

Additional supporting figures

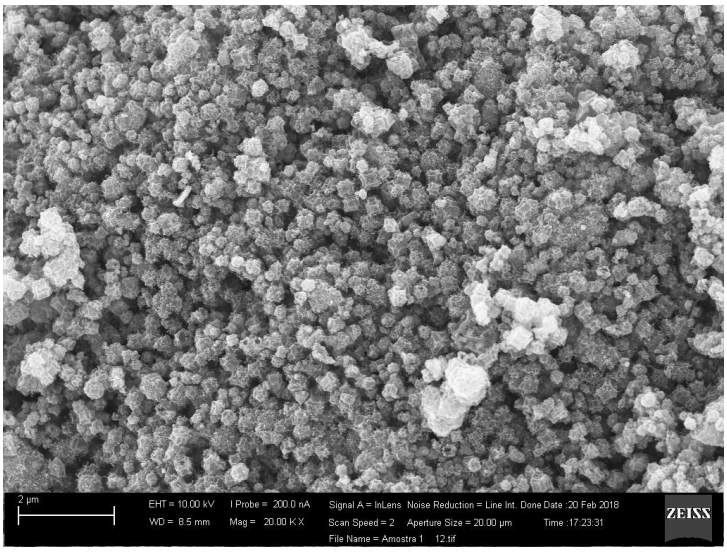

Fig. 4S SEM image of pyrolyzed ZIF-67.

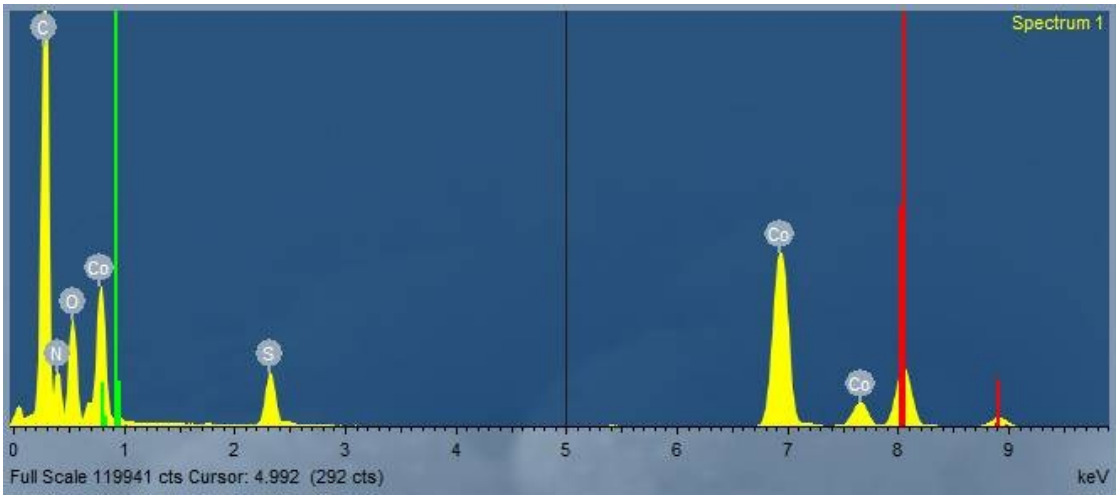

Fig. 5S Energy-dispersive X-ray spectroscopy of Co_3O_4/NSC. The data reveals that the material contains C, N, O, S, and Co as the main components.