**Supporting information**

A nitrogen-doped electrocatalyst from metal-organic framework-carbon nanotube composite

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Figure S1.SEM images of ZIF-CNT composites with CNT weight ratio of (a) 0 wt.%; (b) 0 wt.%; (c) 2.5 wt.%; (d) 14 wt.%; (e) 27 wt.%; (f) 42 wt.%.

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Figure S2.SEM images of N-ZCNT without ammonia treatment



Figure S3. XRD patterns of pyrolyzed ZIF-CNT with and without ammonia treatment