## Facile synthesis of a Ru dispersed N-doped carbon framework

## catalyst for electrochemical nitrogen reduction

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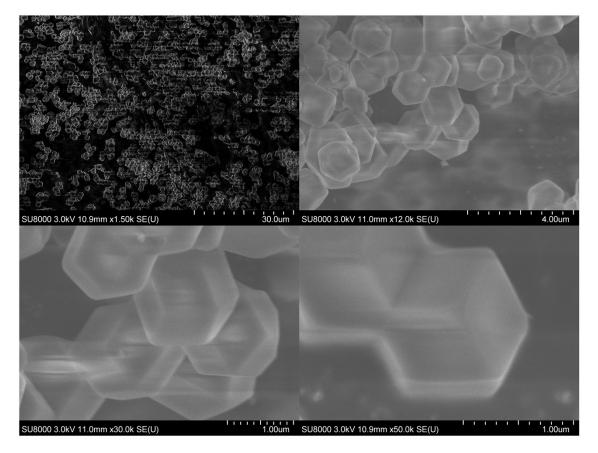


Figure.S1 The SEM images of ZIF-8.

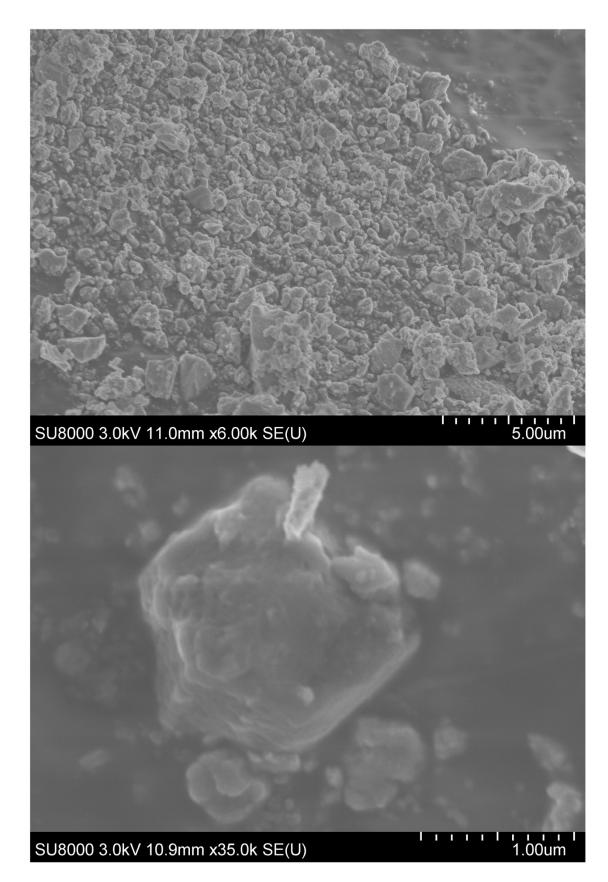


Figure.S2 The SEM images of ZIF-8@Ru.

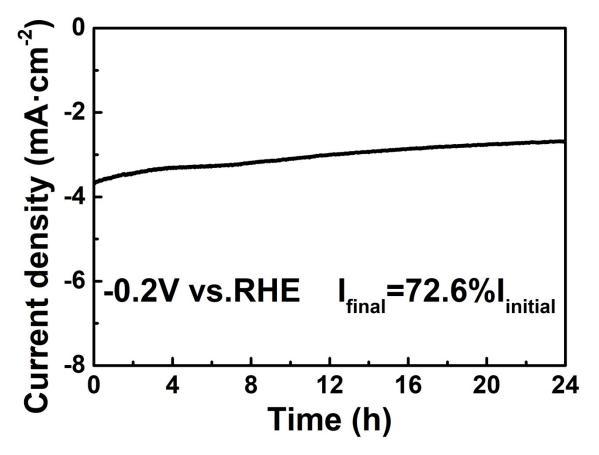


Figure.S3 The current density of NC@Ru-5 electrode during electrolysis

in  $N_2$ -saturated 0.1M KOH electrolyte at -0.2V vs. RHE for 24h.