

Supporting Information

Conversion of Chicken Feather Waste to N-doped Carbon Nanotubes for the Catalytic Reduction of 4-Nitrophenol

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Contents

1. FESEM images of the production of different batch of chicken feathers	S1
2. TEM images of the production of different batch of chicken feathers	S2
3. The catalytic activities of the N-CNTs and Ni ₃ S ₂ @C of different batch of chicken feathers	S3

1. FESEM images of the production of different batch of chicken feathers

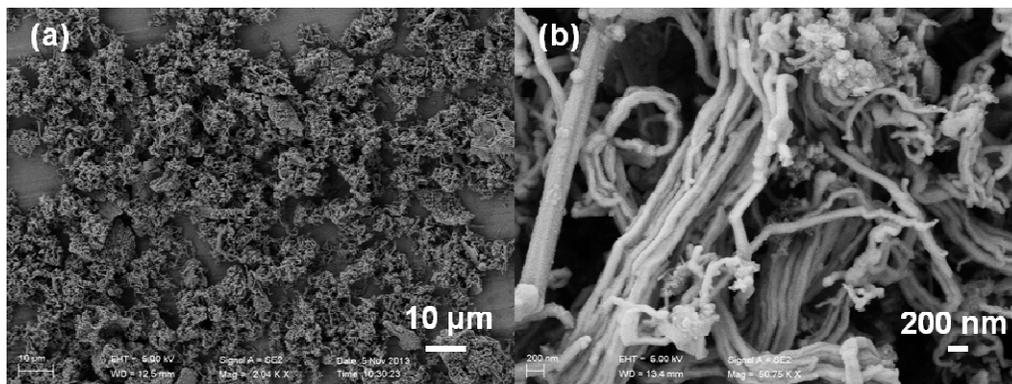


Figure S1. (a, b) FESEM images of the Ni₃S₂@C sample of different batch of chicken feathers, at 650 °C for 3 h.

2. TEM images of the production of different batch of chicken feathers

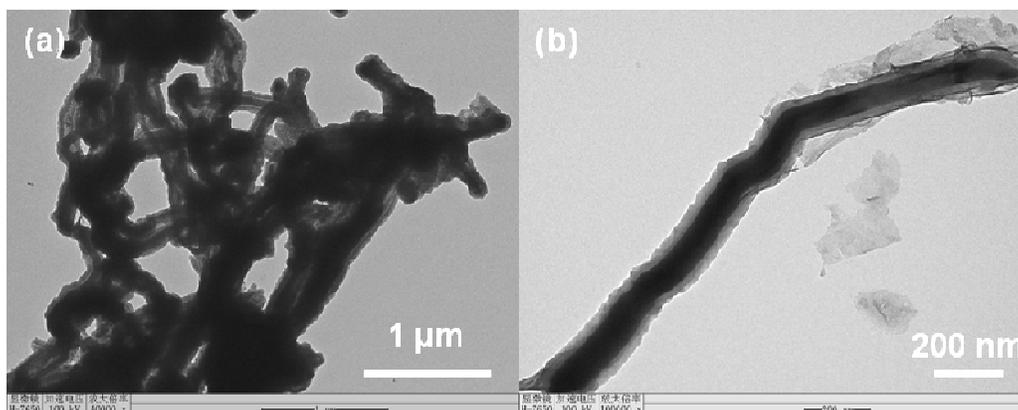


Figure S2. (a, b) TEM images of the Ni₃S₂@C sample of different batch of chicken feathers, at 650 °C for 3 h.

3. The catalytic activities of the N-CNTs and Ni₃S₂@C of different batch of chicken feathers

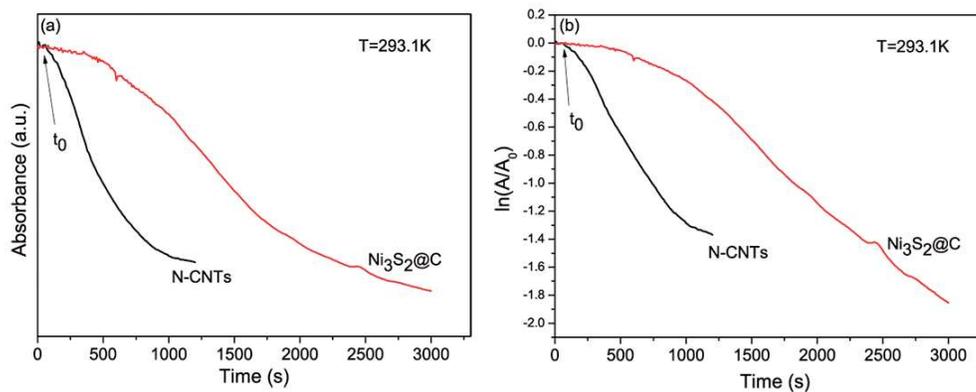


Figure S3. (a, b) time curves of the absorbance at 400 nm measured for sample Ni₃S₂@C and N-CNTs with 4-NP and NaBH₄ ratio 1: 100 at room temperature, which is the production of different batch of chicken feathers.