Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2016

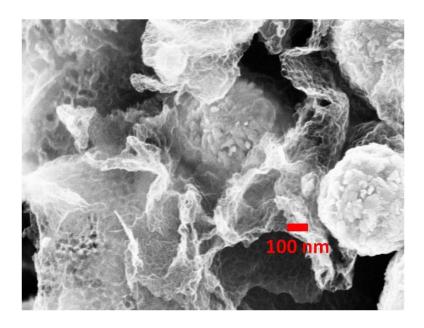


Fig. S1 The SEM image of Cu/carbon layers synthesized by thermolysis of pure copper citrate under a continuous argon/hydrogen gas (9:1/v:v) at 700 °C with a heating rate of 4 °C min⁻¹ and held at this temperature for 2 h.

The TGA result is accordance with the EDX result according to the following formula:

The increased weight ratio of composite after annealing in air

= 20.22 %