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**Electronic Supplementary Information** 

## High-performance supercapacitors of Cu-based porous coordination polymer nanowire and its derived porous CuO nanotube

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Fig. S1. SEM images of Cu-Asp nanowires prepared by increasing reactant concentration (a-c) and calcinated at 300 °C (d).



**Fig. S2.** Thermogravimetric analysis (TGA) of the ultralong Cu-Asp nanowires under air flow with a heating rate of 10 °C min<sup>-1</sup>.



Fig. S3. XRD pattern of as-synthesized Cu-Asp nanowires.



Fig. S4. XRD pattern of as-synthesized porous CuO nanotube.