

Supporting Information:

**Facile microwave-assisted synthesis of uniform single-crystal copper nanowires
with excellent electrical conductivity**

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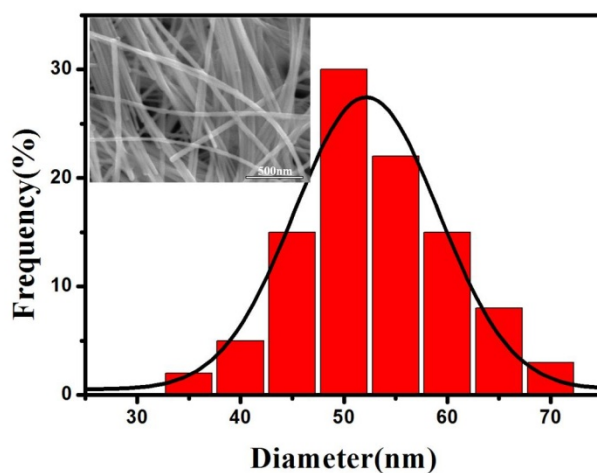


Figure S1. Distribution of diameters of Cu nanowires and Gauss fitting (dark solid line). The inset shows the related FE-SEM image of Cu nanowires.

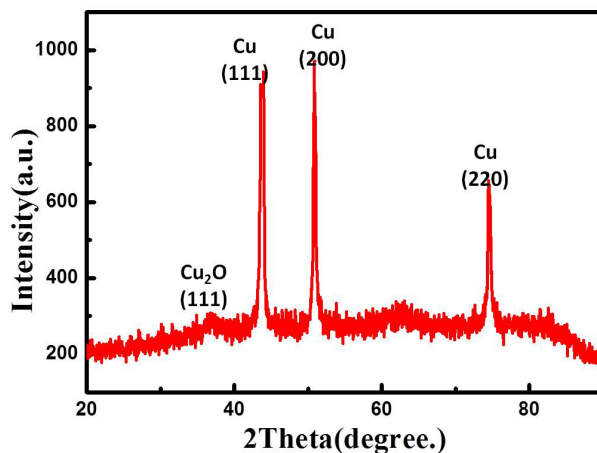


Figure S2. XRD pattern of Cu NWs after storing in air for 30 days.

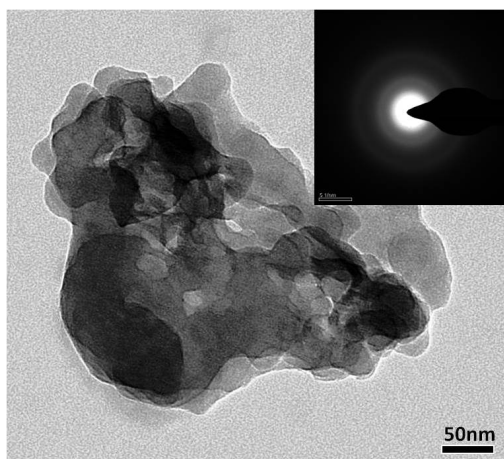


Figure S3. TEM image of copper nanoparticles and corresponding SAED pattern.

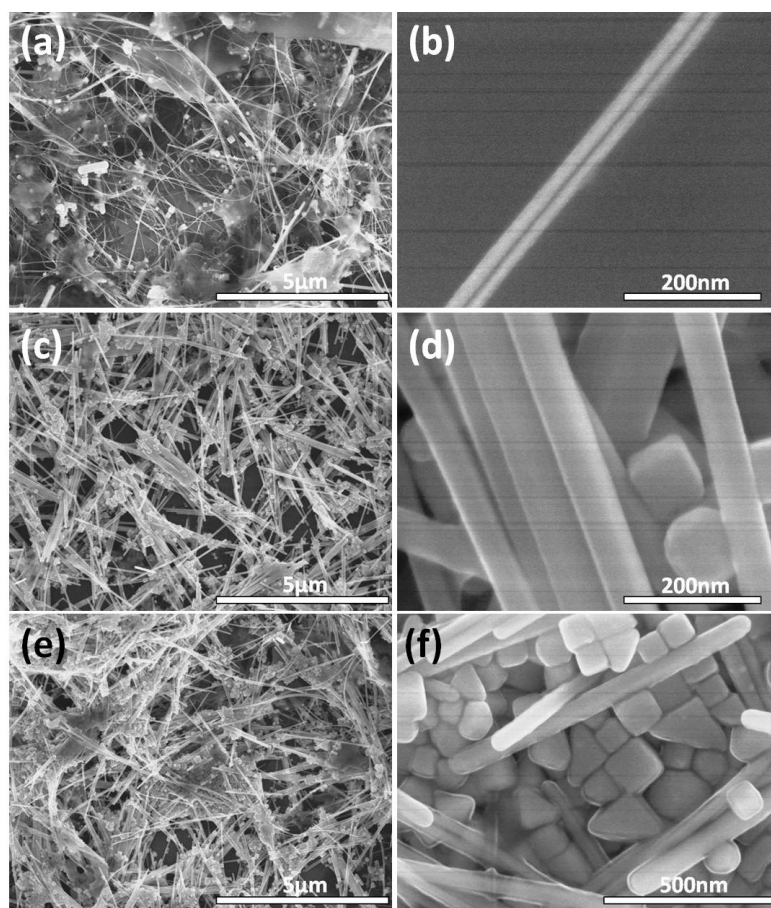


Figure S4. SEM images of copper nanowires synthesized with the different molar ratios of ascorbic acid/ CuCl_2 : (a, b) 0.5:1; (c, d) 2:1; and (e, f) 4:1.