

Electronic Supplementary Information

Solution-processed Cu@Au nanowires for transparent conductive films and electromagnetic shielding

Xinyu Wang^a, Juan Xu^{*ab}, Ying Li^a, Yuhao Zhang^a, Xin Wu^a and Caixia Kan^{*ab}

^a College of Physics, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China. E-mail: xujuan@nuaa.edu.cn; cxkan@nuaa.edu.cn

^b MIIT Key Laboratory of Aerospace Information Materials and Physics, Nanjing University of Aeronautics and Astronautics, Nanjing 211106, China.

Supplementary figures

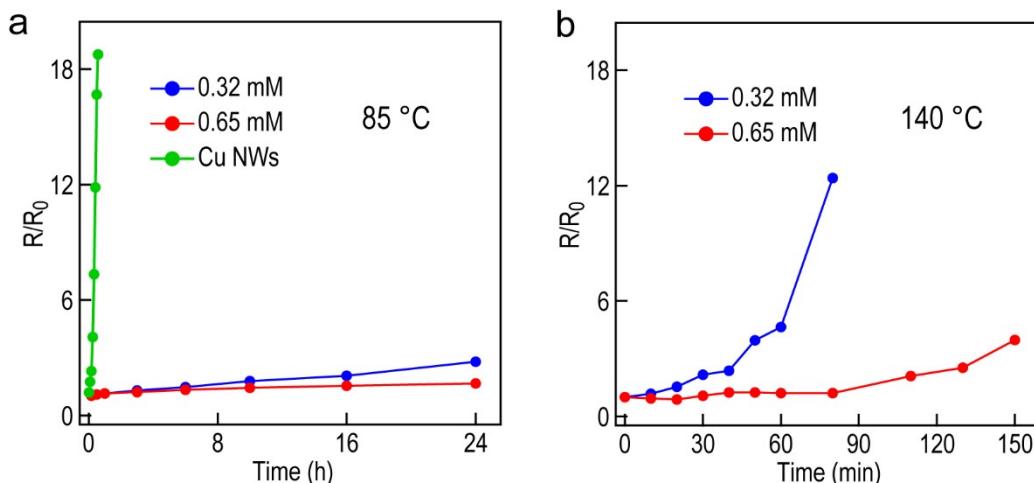


Figure S1 Thermal stability of transparent conductive films (TCFs) based on Cu nanowires (NWs) treated with different concentrations of Au precursor solution (a) at $85\text{ }^\circ\text{C}$ and (b) at $140\text{ }^\circ\text{C}$ in ambient air.

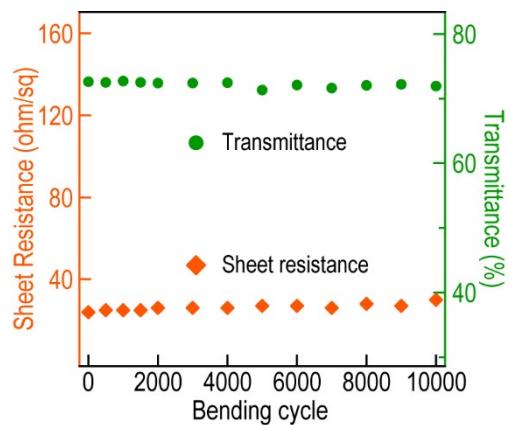


Figure S2 Sheet resistance and optical transmittance for the Cu@Au NW/PLLA film after 10000 bending cycles under 180% strain.