

Electronic Supplementary Material (ESI) for RSC Advanced.

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Electronic Supplementary Information For

EG-Assisted Hand-in-Hand Growth of Prism-like Cu_2O Nanorods with High Aspect Ratios and Their Thermal Conductive Performance

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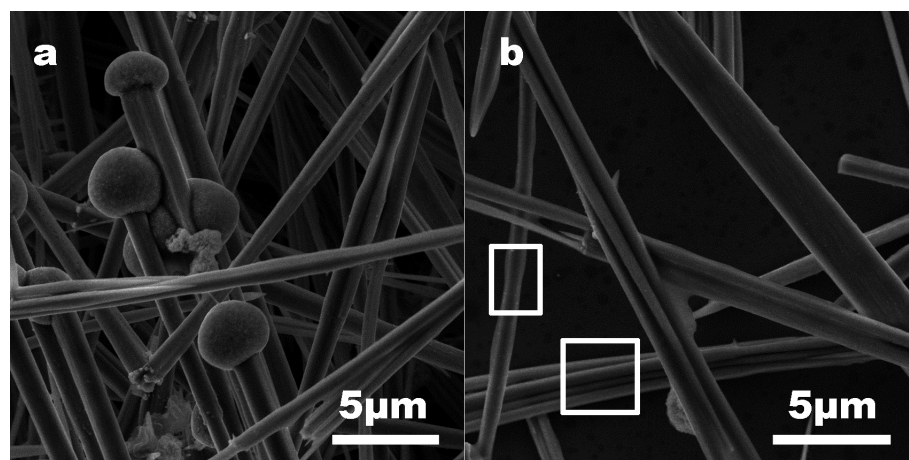


Figure S1. SEM images of the intermediate products collect at (a) 12, (b) 16h

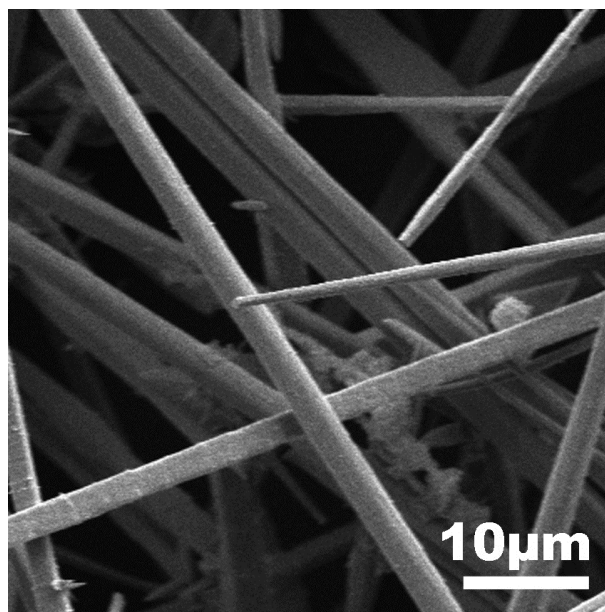


Figure S2. SEM images of the products collect at 48h

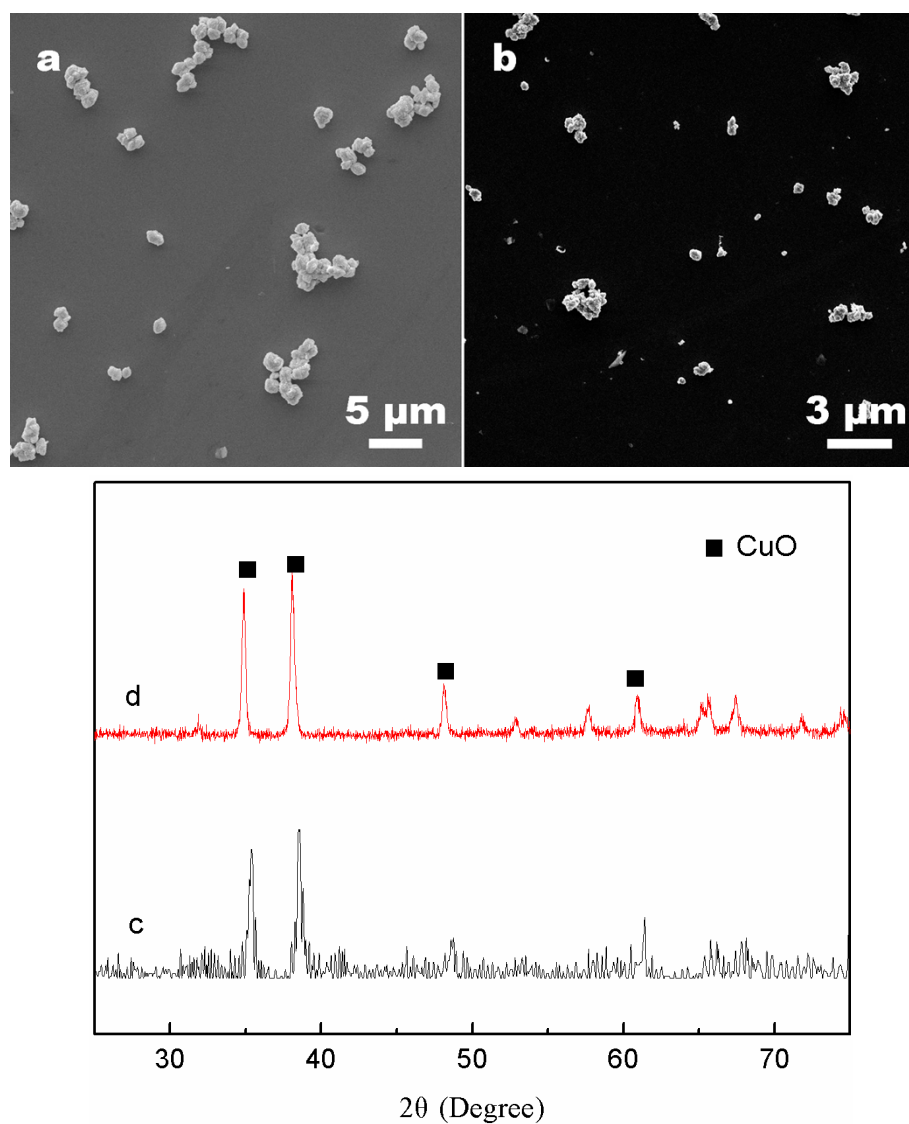


Figure S3. SEM images of the product obtained at 140°C for 24 h in the presence of (a) 0 μL LPy and 0 μL EG, (b) 0 μL LPy and 250 μL EG, (c) XRD pattern of product (a), (d) XRD pattern of product (b).

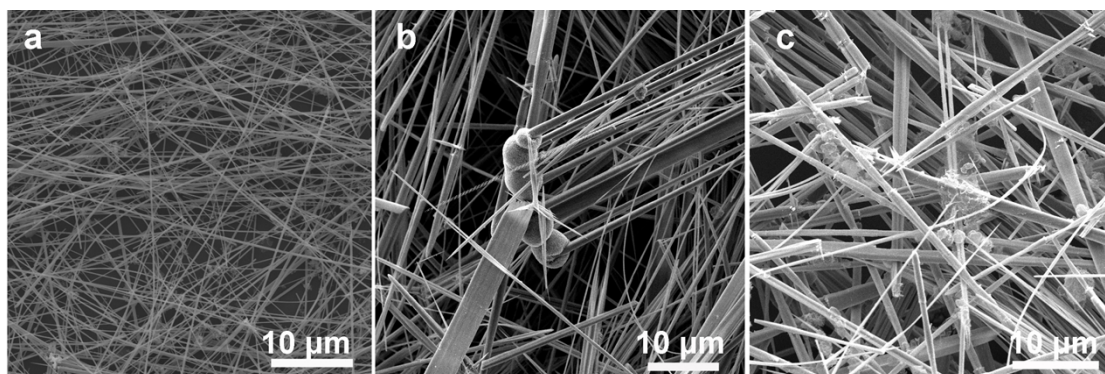


Figure S4. SEM images of 1D Cu_2O nanostructures obtained at 140°C for 24 h in the present of $22\ \mu\text{L}$ Py and different amount of EG: (a) $0\ \mu\text{L}$; (b) $50\ \mu\text{L}$; (c) $150\ \mu\text{L}$.

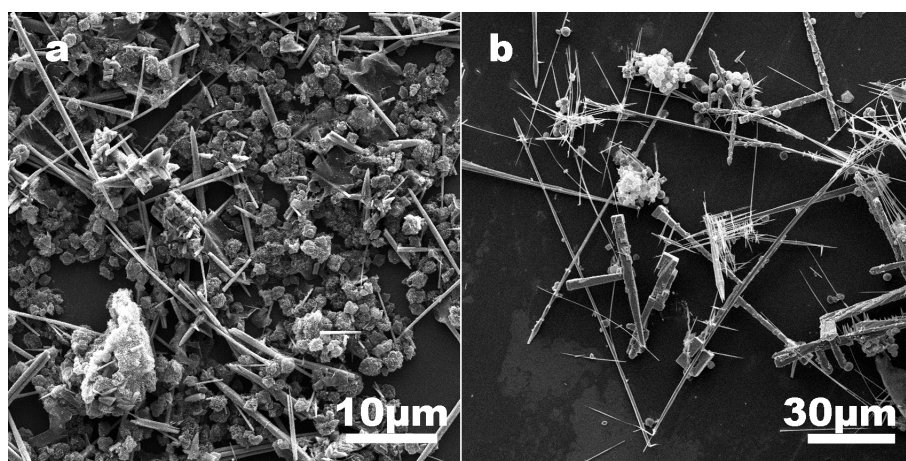


Figure S5. SEM images of Cu_2O nanostructures obtained at different temperature. (a) 120°C , (b) 160°C .

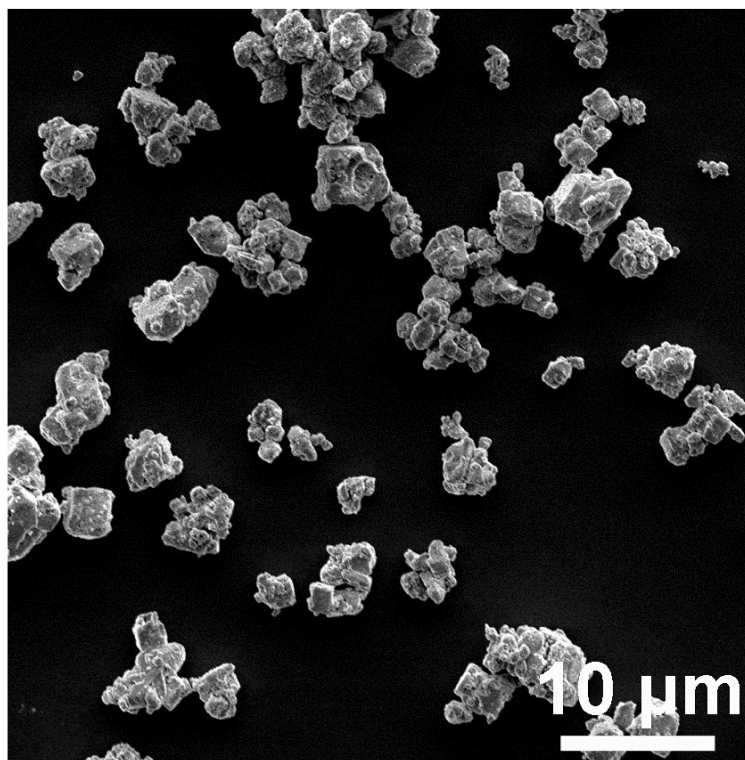


Fig. S6SEM image of commercial Cu_2O cubes with size about $2.5\text{ }\mu\text{m}$.

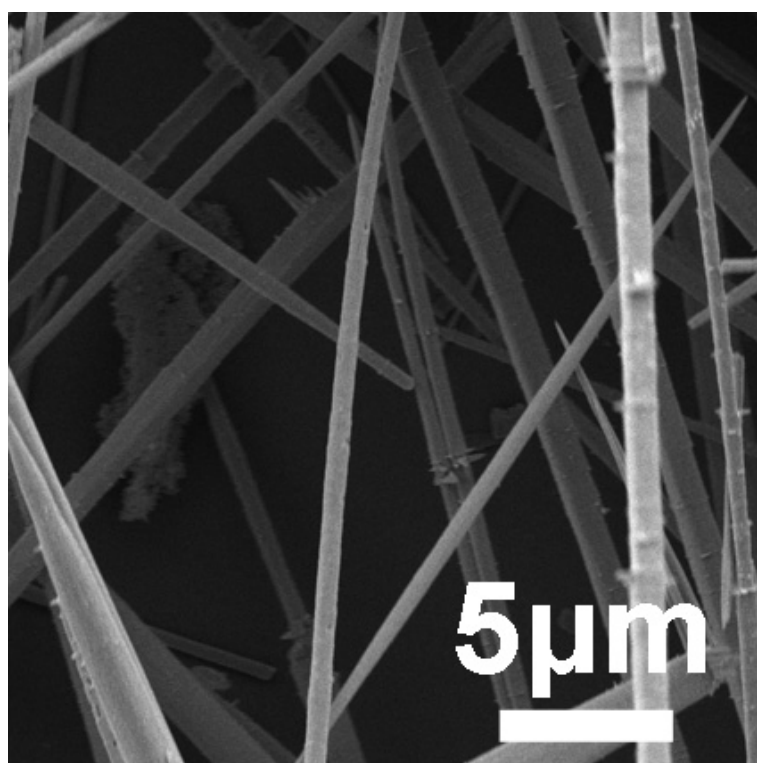


Fig. S7SEM image of Cu_2O morphology after grinding