

Supporting Information:

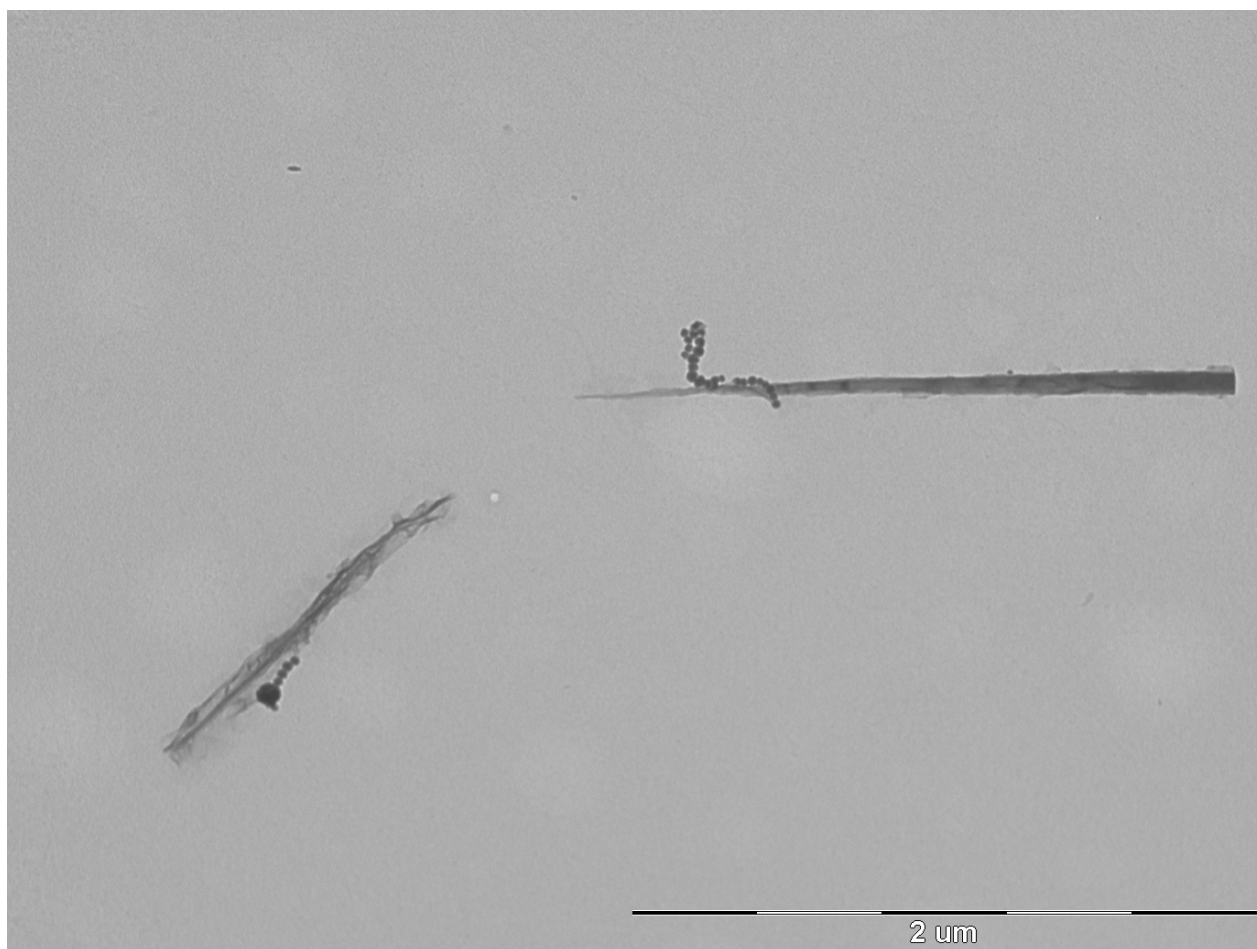


Figure S1: TEM image of the nanowires formed in Step V shown in Fig.5.

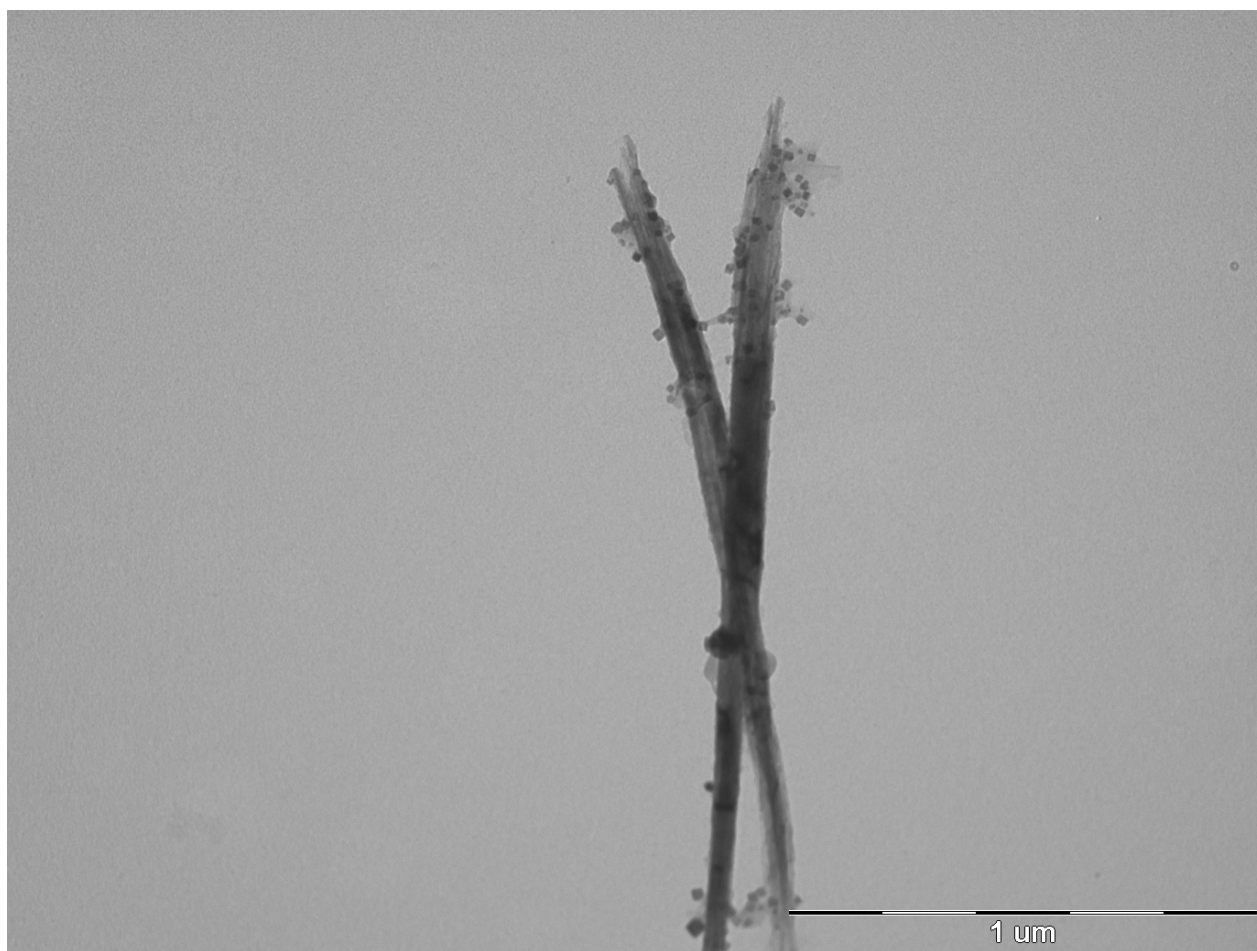


Figure S2: A TEM image shows the formation of Co_3O_4 nanowires.

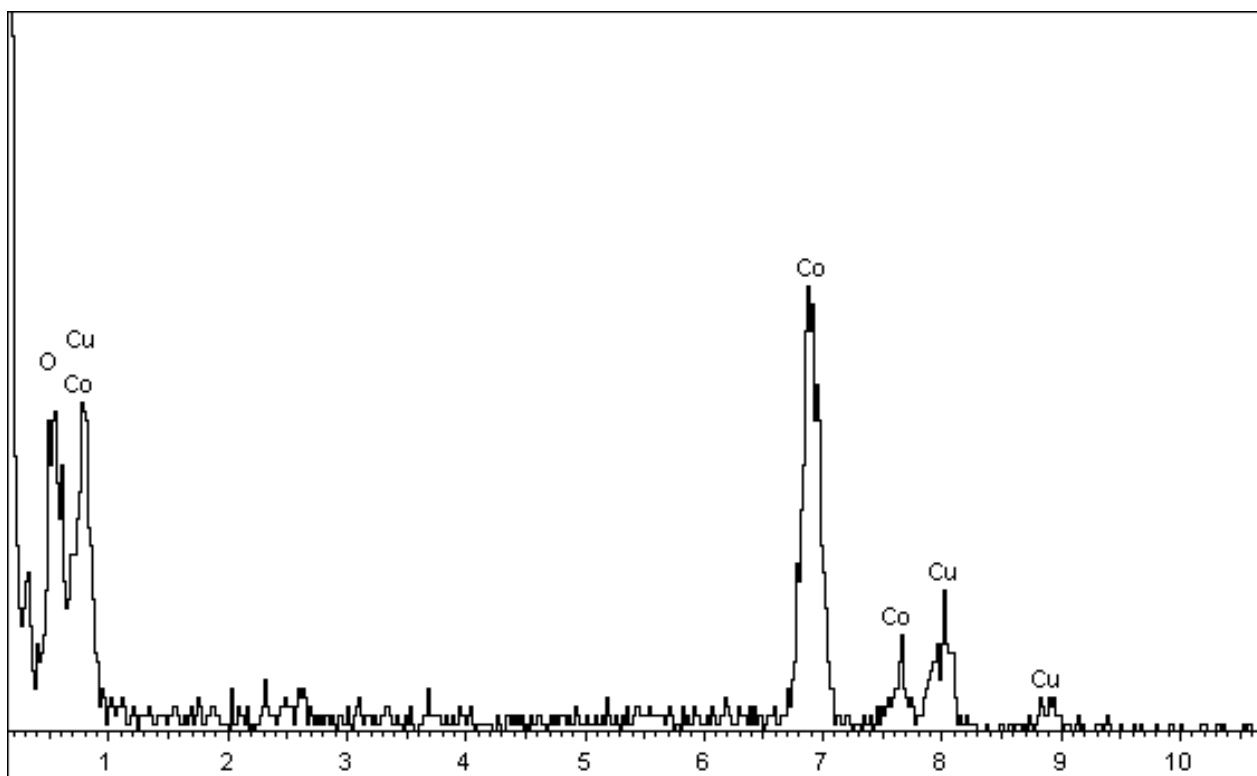


Figure S3: X-ray energy dispersive (EDS) microanalysis of the nanowires

X-ray energy dispersive (EDS) microanalysis of the nanowires was shown. The corresponding peaks of O, Co elements appear in EDS spectrum, confirming that the products are composed of Co_3O_4 .