

**Supplementary Information of 3D Hyperbranched Heterostructures of Ag Nanocrystals Decorated ZnO Nanopillars: Controlled Growth and Optical Properties Characterization**

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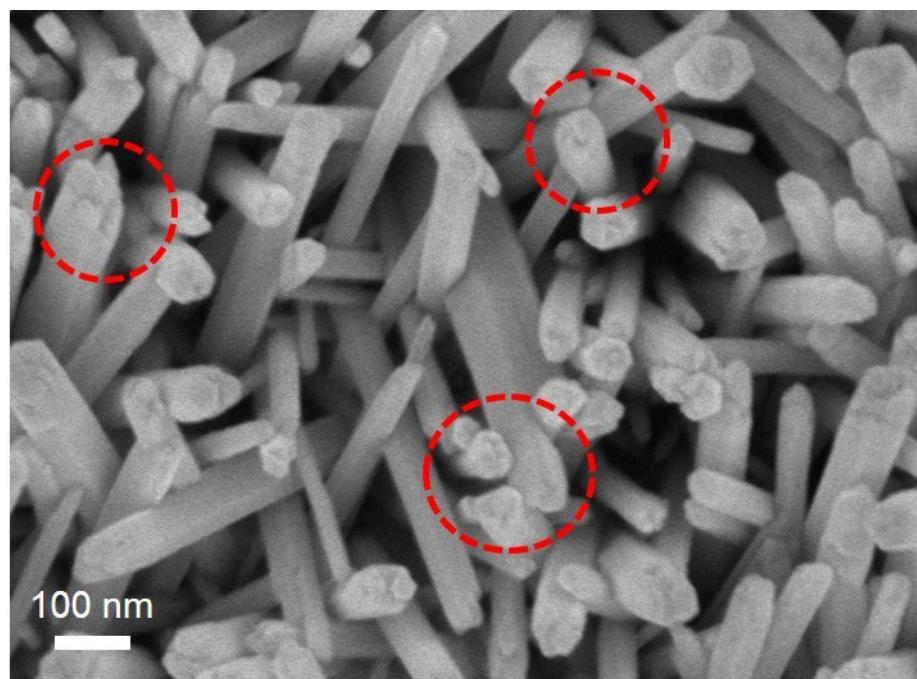
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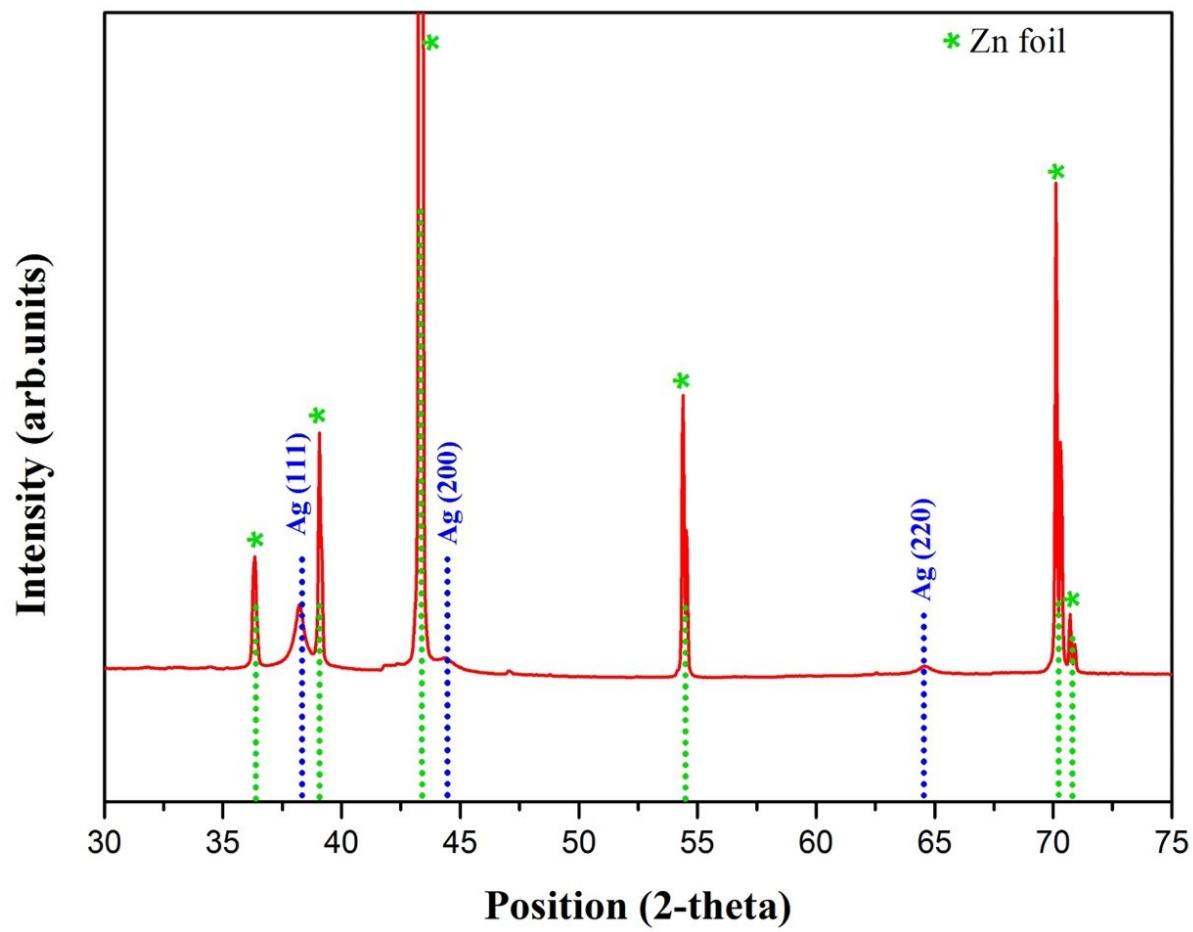
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**Fig. S1.** Magnified region of primary ZnO NPLs where the red dotted-circles show the rough surface or defects formed on the tips and upper half edges of nanopillars.



**Fig. S2.** XRD pattern of metallic Ag on the surface of Zn foil