## **Supporting information**

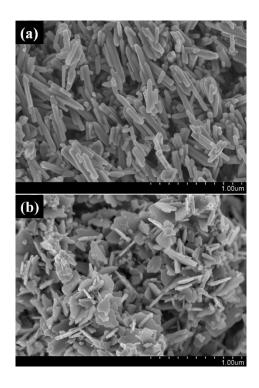
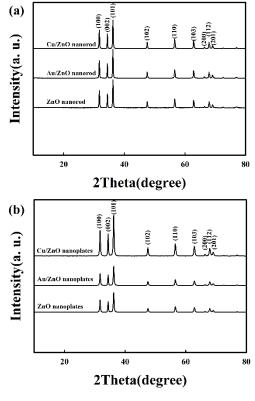


Figure S1. SEM image of ZnO nanostructures (a) ZnO nanorod (b) ZnO nanoplate



**Figure S2.** XRD patterns of the samples