

## **Supporting Information**

### **Enhanced photoluminescence, Raman spectra and field-emission behavior of indium-doped ZnO nanostructures**

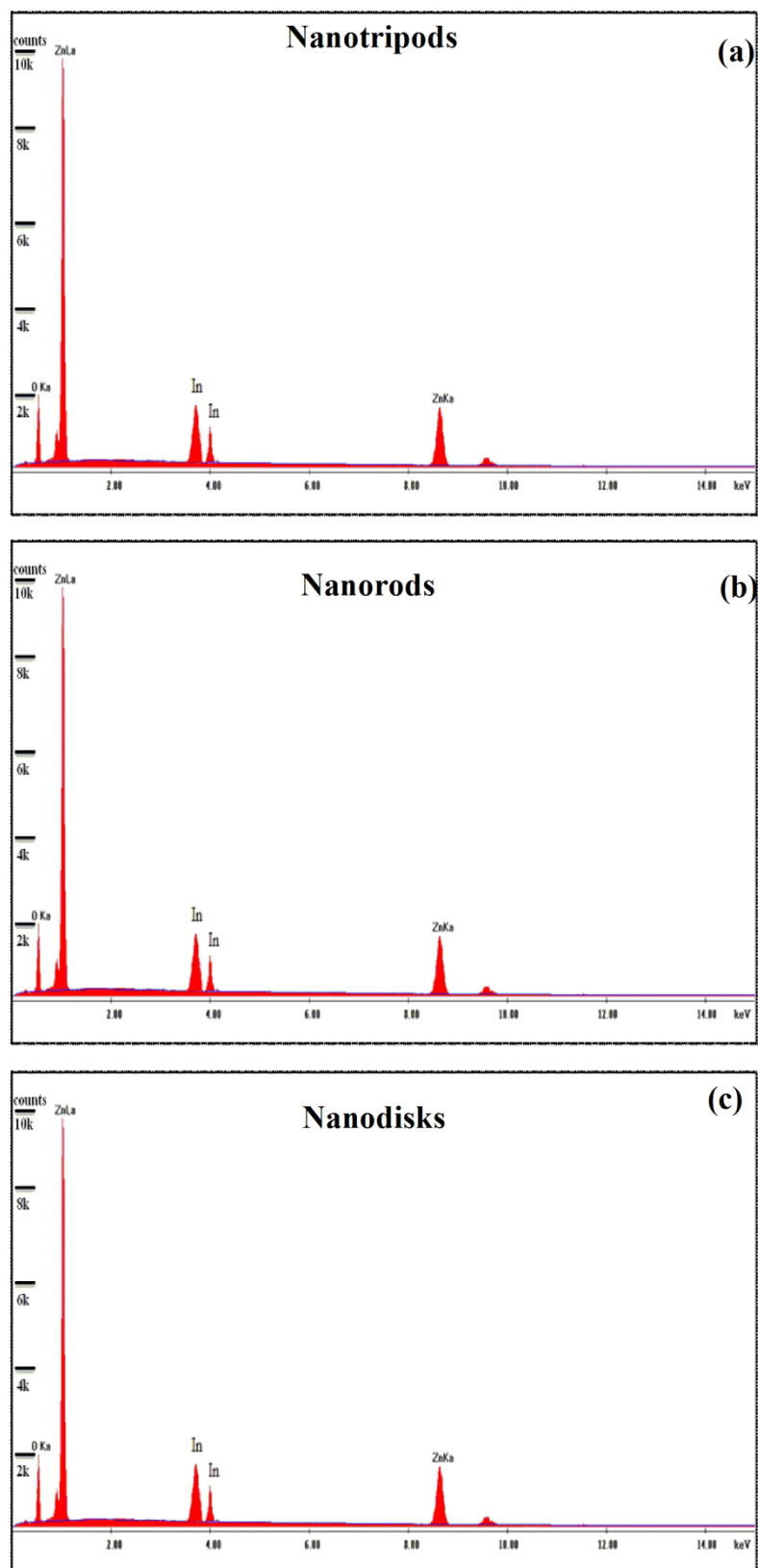
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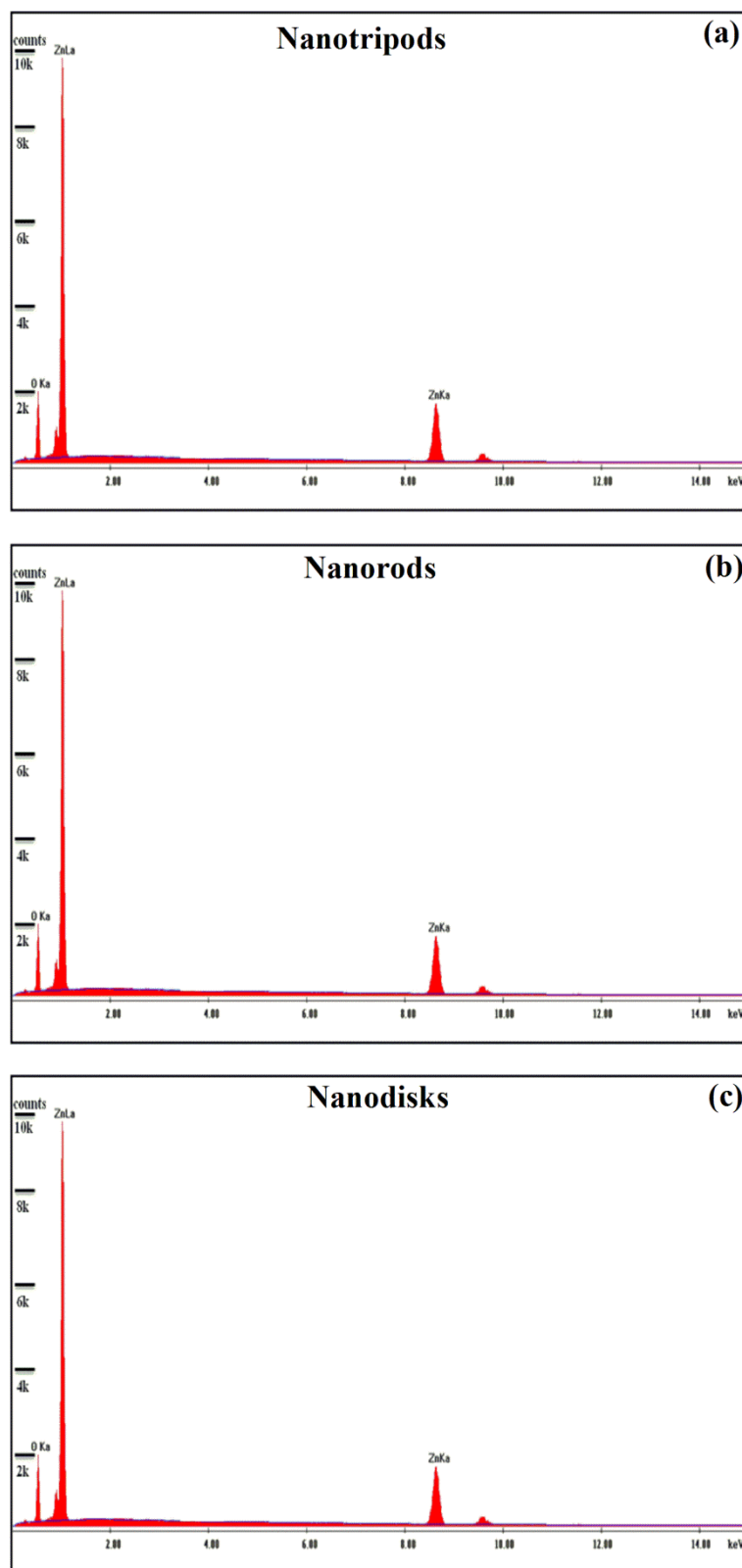
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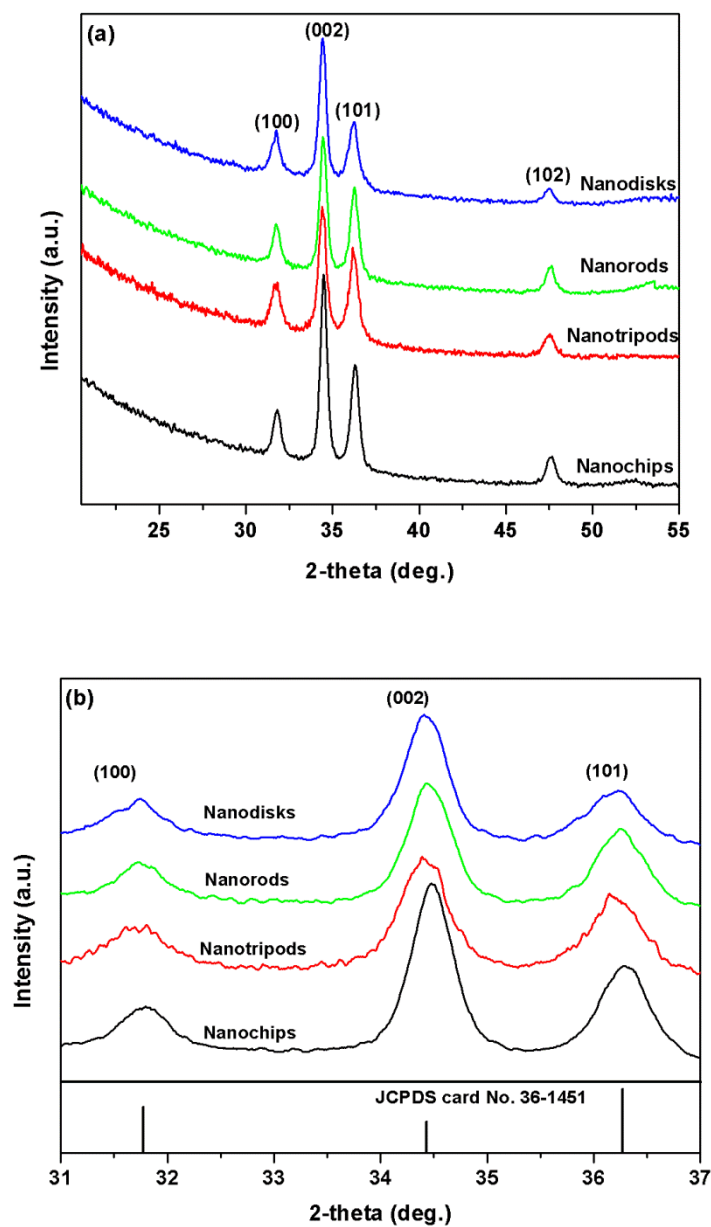
E-mail address: [SeungBinPark@kaist.ac.kr](mailto:SeungBinPark@kaist.ac.kr)



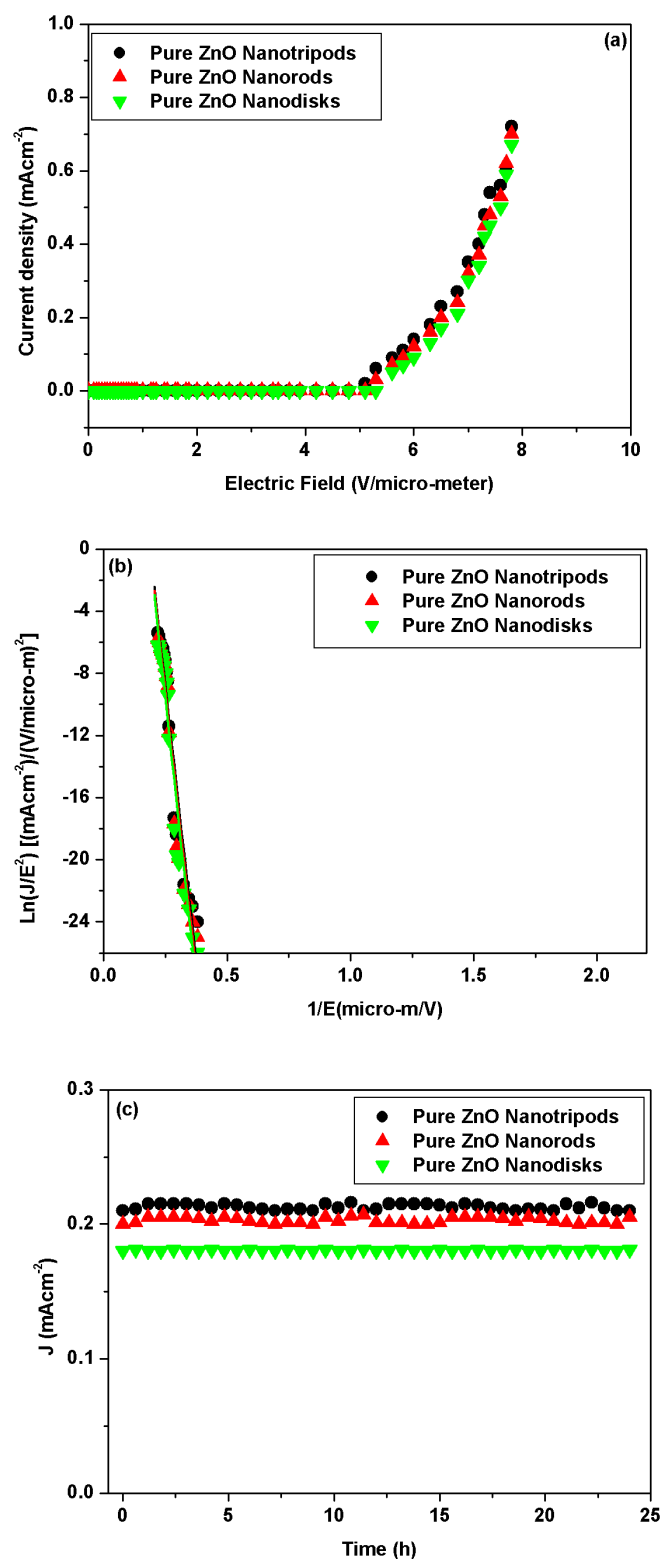
**Figure S1.** EDS spectrum for other three In-doped ZnO nanostructures: (a) nanotripods, (b) nanorods, and (c) nanodisks, respectively.



**Figure S2.** EDS spectrum for other three pure ZnO nanostructures: (a) nanotripods, (b) nanorods, and (c) nanodisks, respectively.



**Figure S3.** (a) XRD patterns of four various pure ZnO samples, and (b) the expanded spectra around 3 strongest lines showing that no peak shift was observed when compared with the standard peak position of pure ZnO.



**Figure S4.** (a)  $J$ - $E$  plot comparison of other three pure ZnO nanostructures; (b) FN plots of the corresponding  $J$ - $E$  curves; (c) emission current density as a function of time demonstrates the field-emission stability.