

**Electronic Supplementary Information**

**Nanophotonic Perovskite Solar Cell Architecture with  
Three-Dimensional TiO<sub>2</sub> Nanodendrite Scaffold for Light Trapping  
and Electron Collection**

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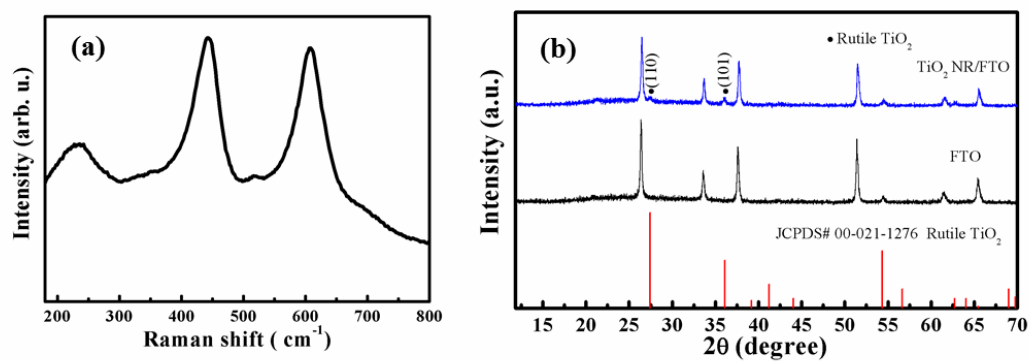


Figure S1. (a) Raman spectrum and (b) XRD pattern of  $\text{TiO}_2$  nanostructured array.

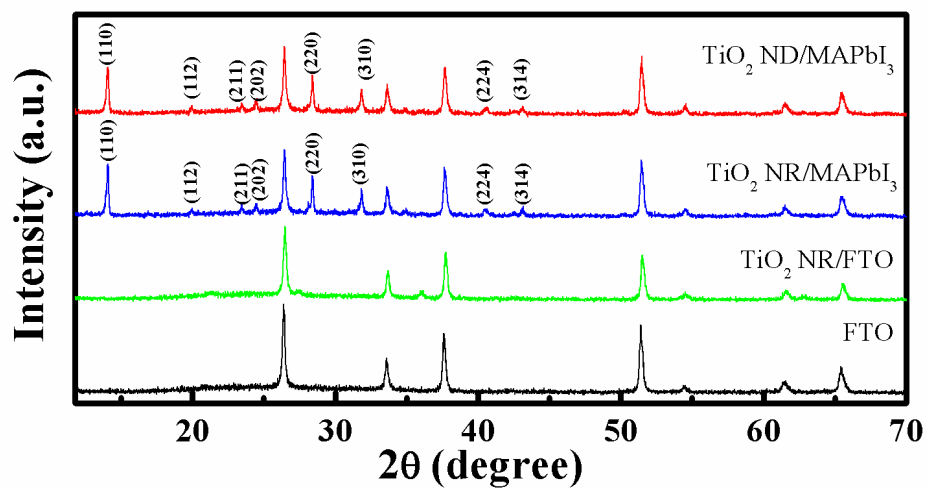


Figure S2. XRD patterns of FTO, TiO<sub>2</sub> NR array/FTO and MAPbI<sub>3</sub>-TiO<sub>2</sub> nanostructured arrays.