

SUPPORTING INFORMATION

## 1D Nanorod-planted 3D Inverse Opal Structures for use in Dye-sensitized Solar Cells

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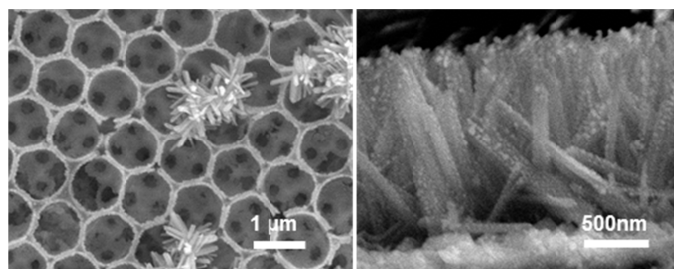


Fig. 1s. (a) nonuniform growth of NR was obtained without the seed on the IO surface. (b) NR grown on a planar substrate; the same conditions of seed deposition and subsequent growth of NR were applied.

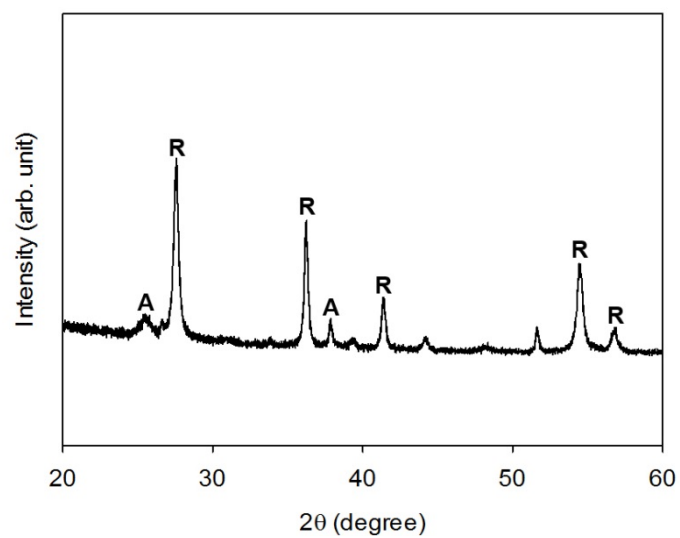


Fig. 2s. XRD result of NR/IO film. A relatively low intensity of anatase peak was originated from the IO structure.