

Supporting Information

A novel photoanode with high flexibility for fiber-shaped dye sensitized solar cells

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DC regulated power supply

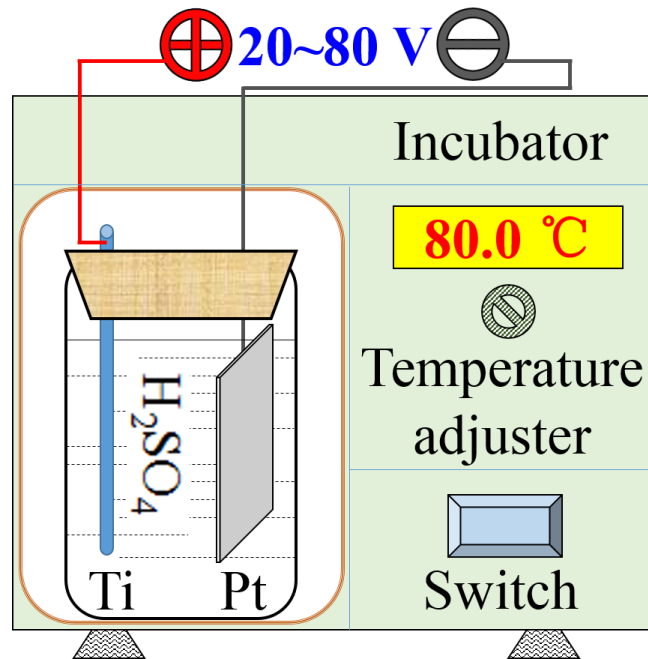


Fig. S1 Schematic of the preparation process and reactor of Ti/TiO₂ micron-cone array.

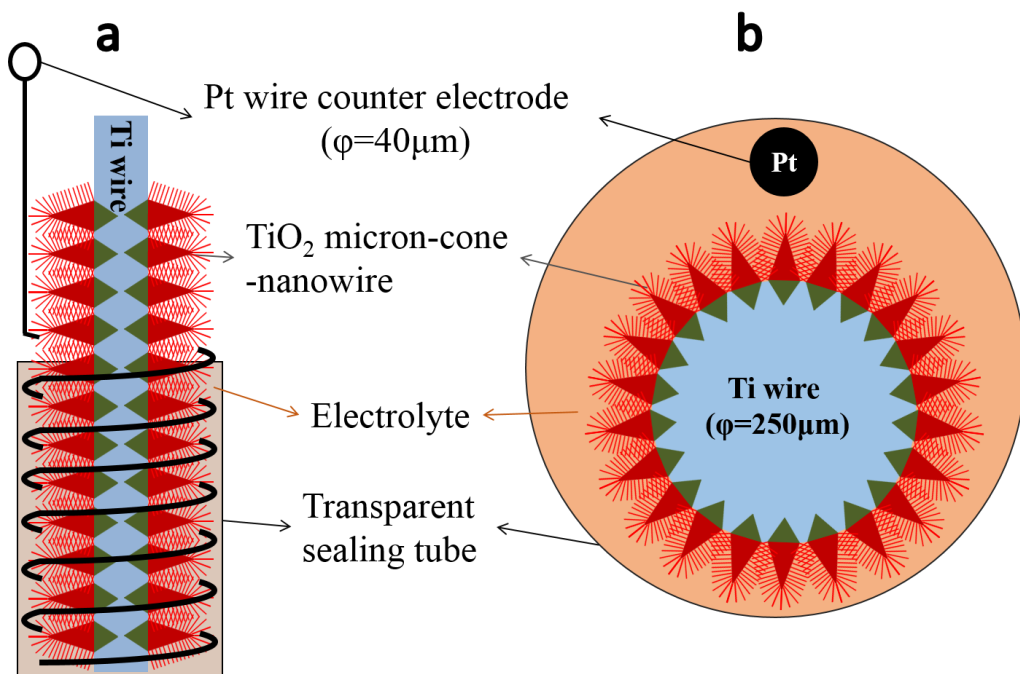


Fig. S2 Sketch map of the novel FDSSC based on Ti/TiO₂ micron-cone-nanowire array:

a) side and b) cross section.

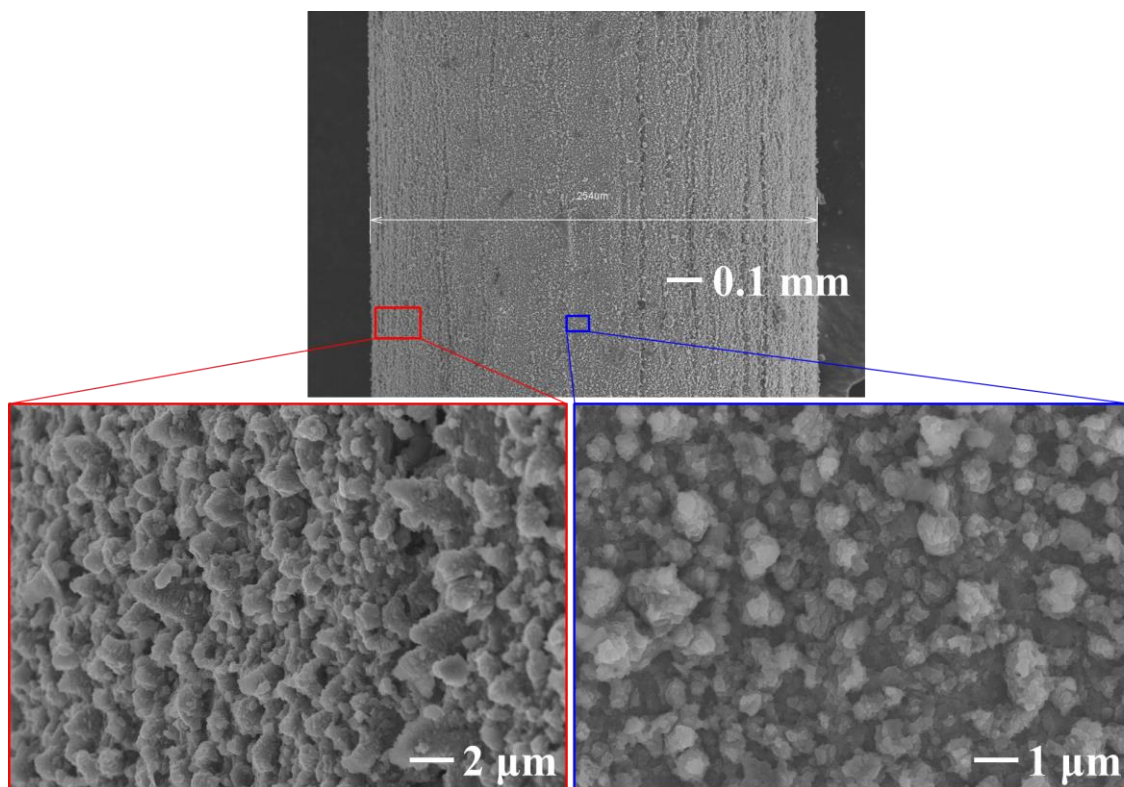


Fig. S3 SEM images of Ti/TiO₂ micron-cone array prepared at 20V, 80°C and 10h.

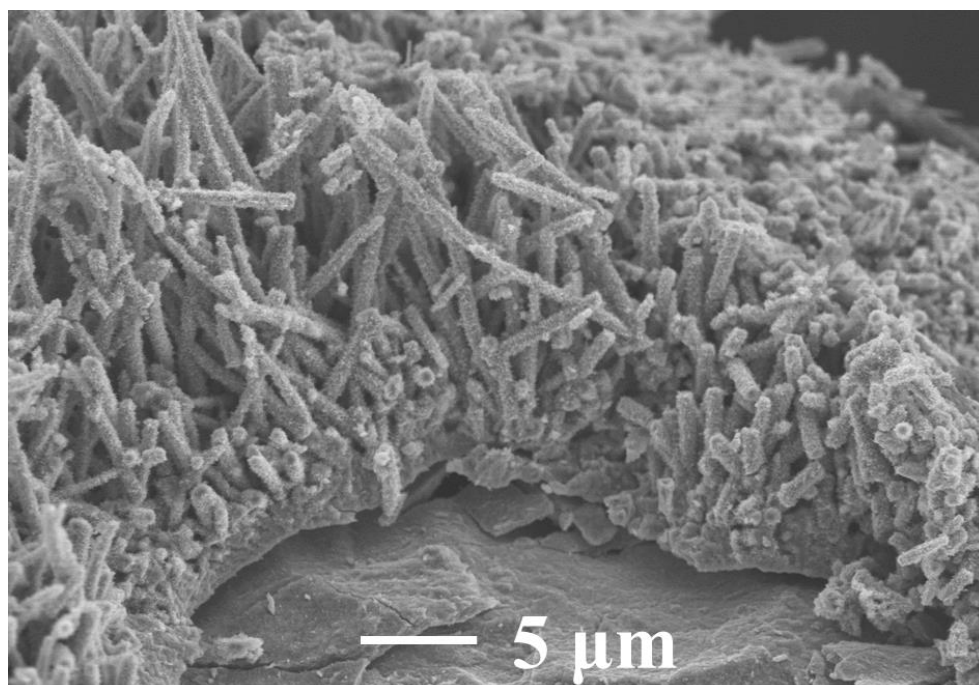


Fig. S4 Section SEM of Ti/TiO₂ nanowire array.

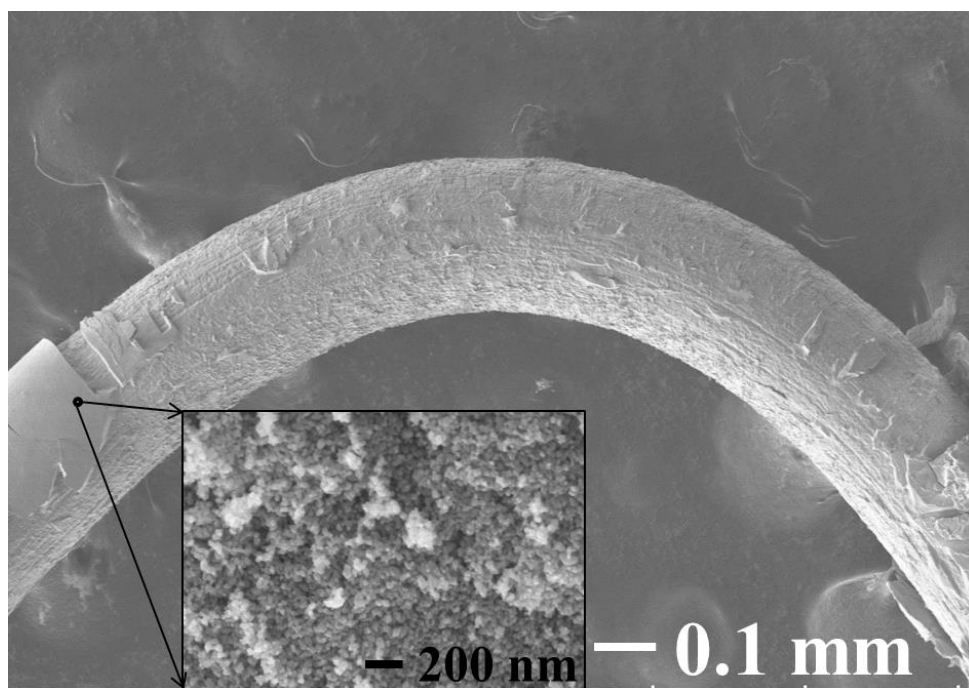


Fig. S5 SEM images of the bended Ti/TiO₂ nanocrystalline layer.

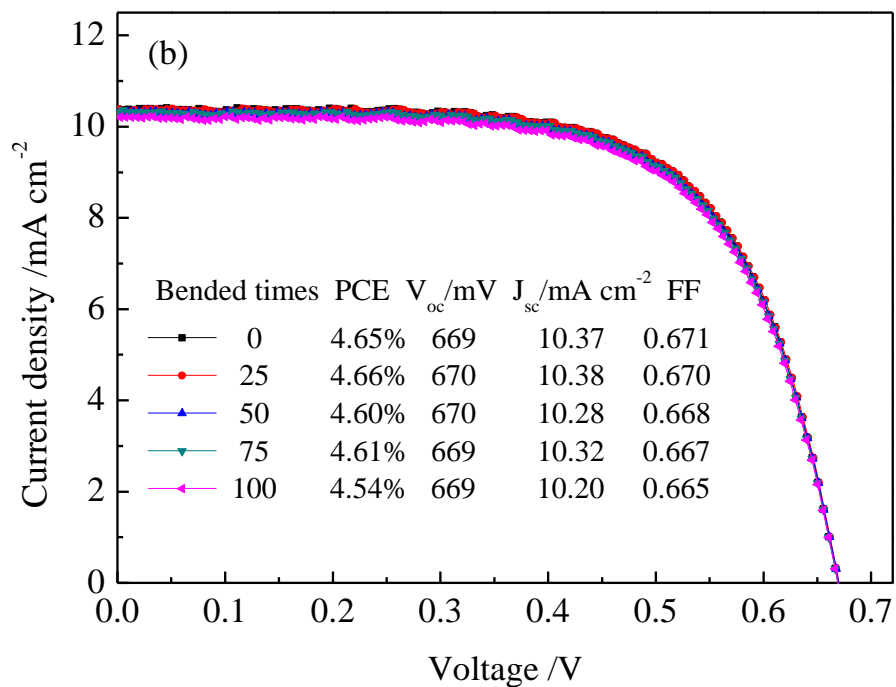
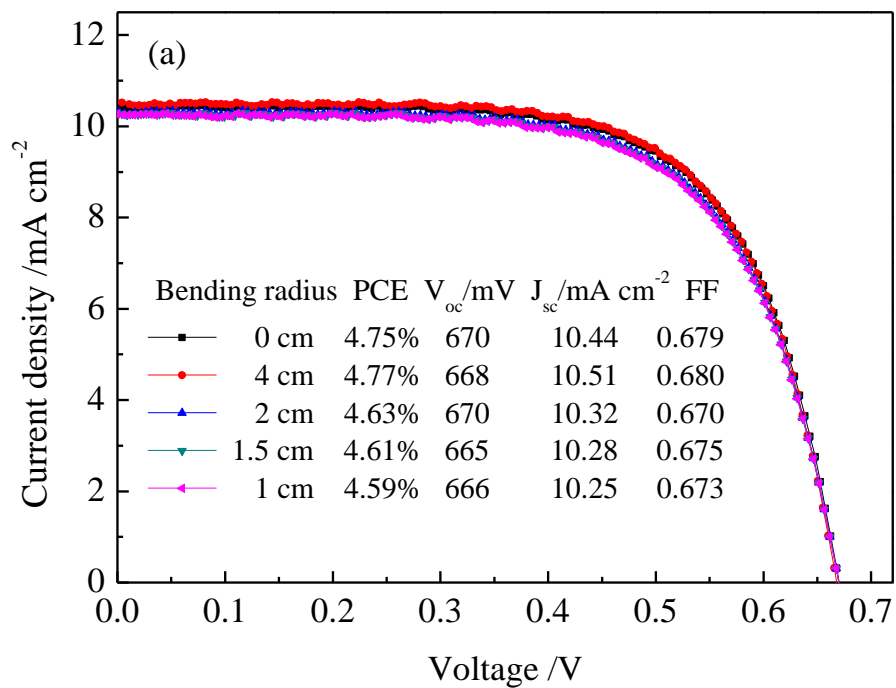


Fig. S6 Current-voltage curves of the FDSSC with different bending degrees and times.