

Porous ZnO Nanosheet Arrays Constructed on Weaved Metal Wire for Flexible Dye-Sensitized Solar Cells

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Supporting Information

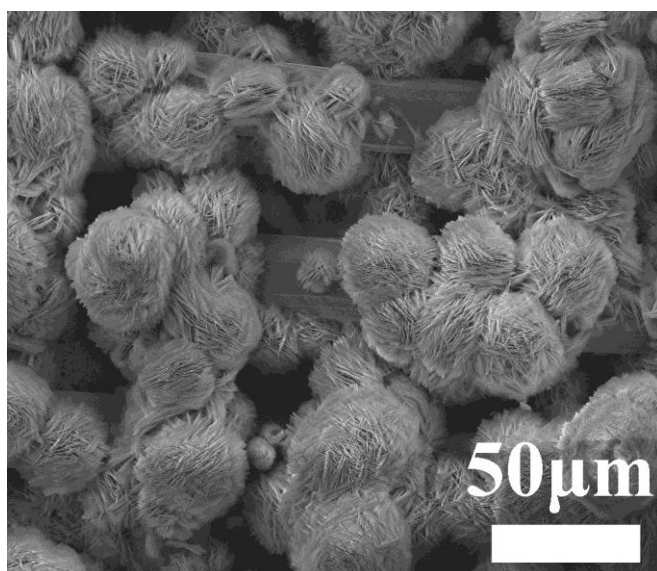


Figure S1. FE-SEM image shows the ZnO on WMW substrate without ZnO seeded layer.

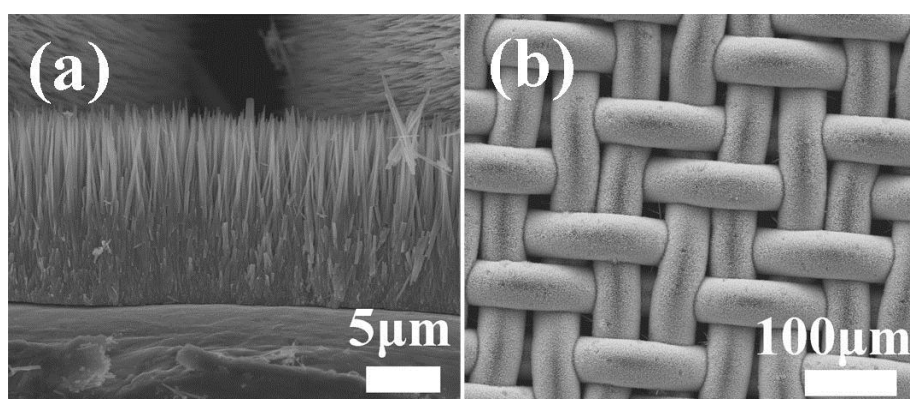


Figure S2. (a) Cross-section and (b) top-view FE-SEM images of ZnO NW array on WMW.

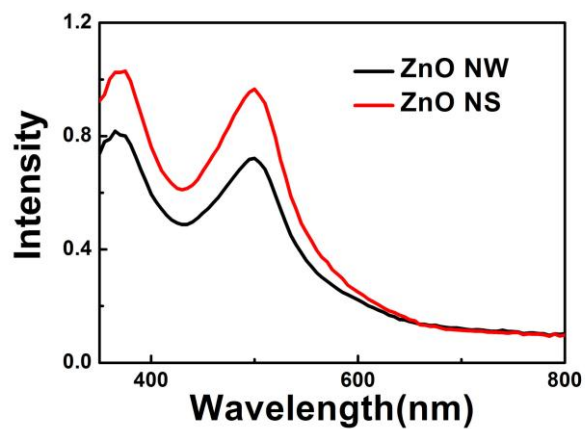


Figure S3. Absorption spectrum showing the amount of dye molecules desorbed from the ZnO-NS and NW films sensitized for 1.5h.

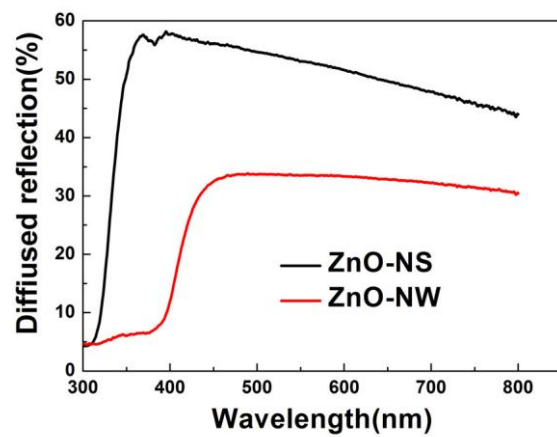


Figure S4. Diffuse-reflectance spectra of the ZnO-NS and NW films.

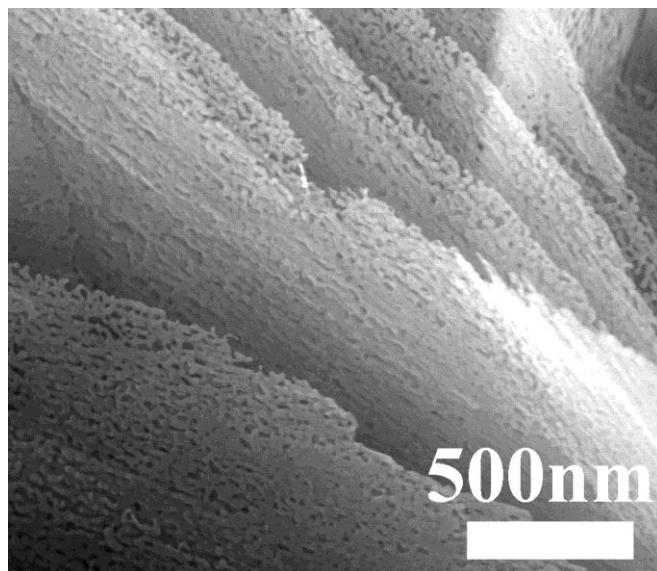


Figure S5. High magnification FE-SEM image shows the surface structure of ZnO NS coated with TiO₂.

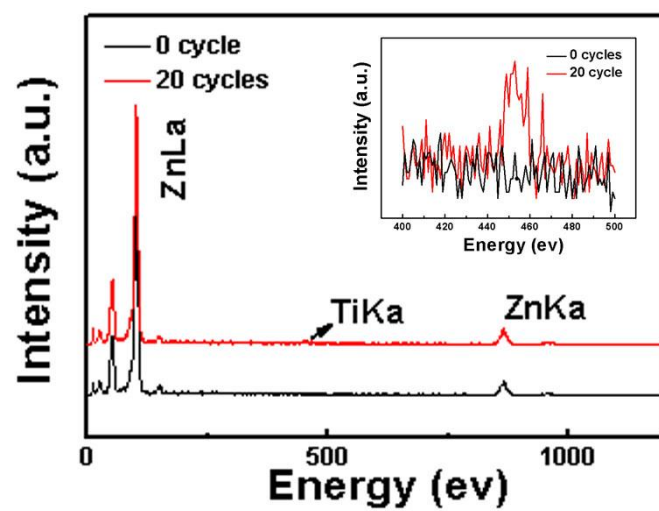


Figure S6. EDS spectrum of the TiO₂ coated ZnO. The inset is a enlargement of the special part showing the peak of Ti Ka.

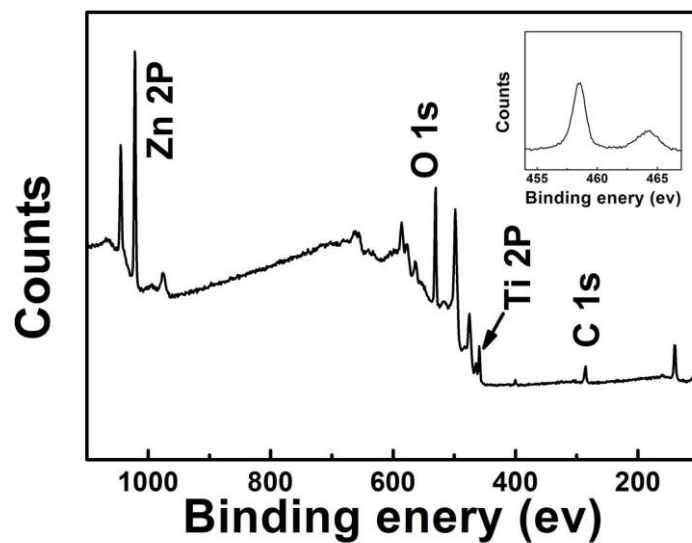


Figure S7. XPS spectrum of the TiO₂ coated ZnO with scan steps of 1 eV for a full range. The inset is a detailed scan (0.1 eV) for TiO₂ showing the peak of Ti2p with binding energy of 458.2 eV.