

Figure S1: Schematic of backside illuminated DSSCs

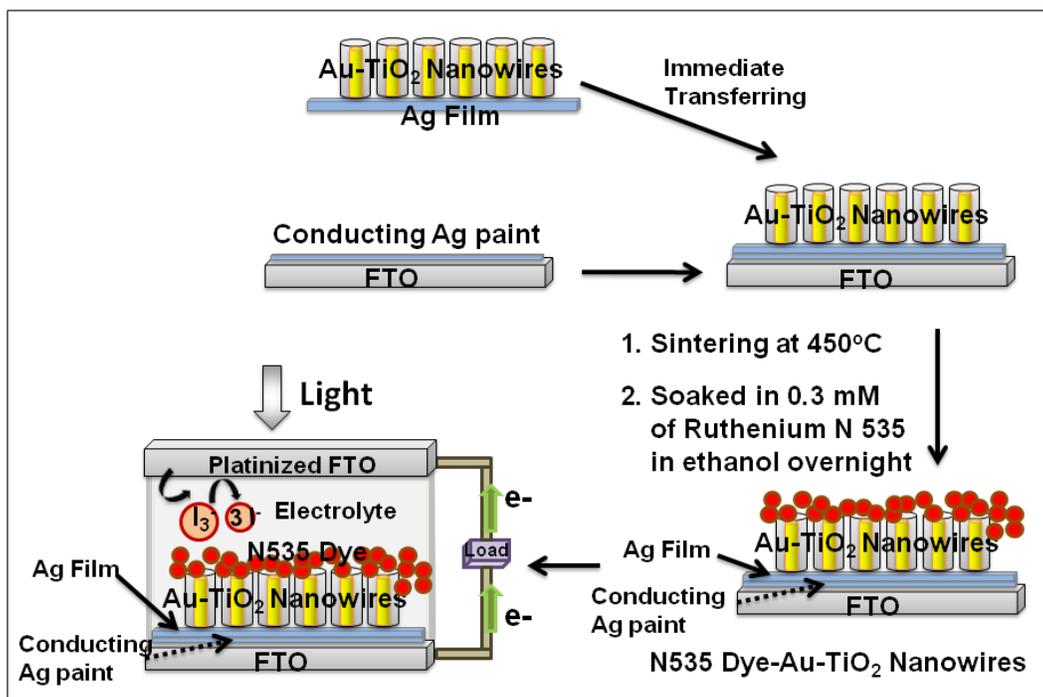


Figure S2: Schematic of frontside illuminated DSSCs

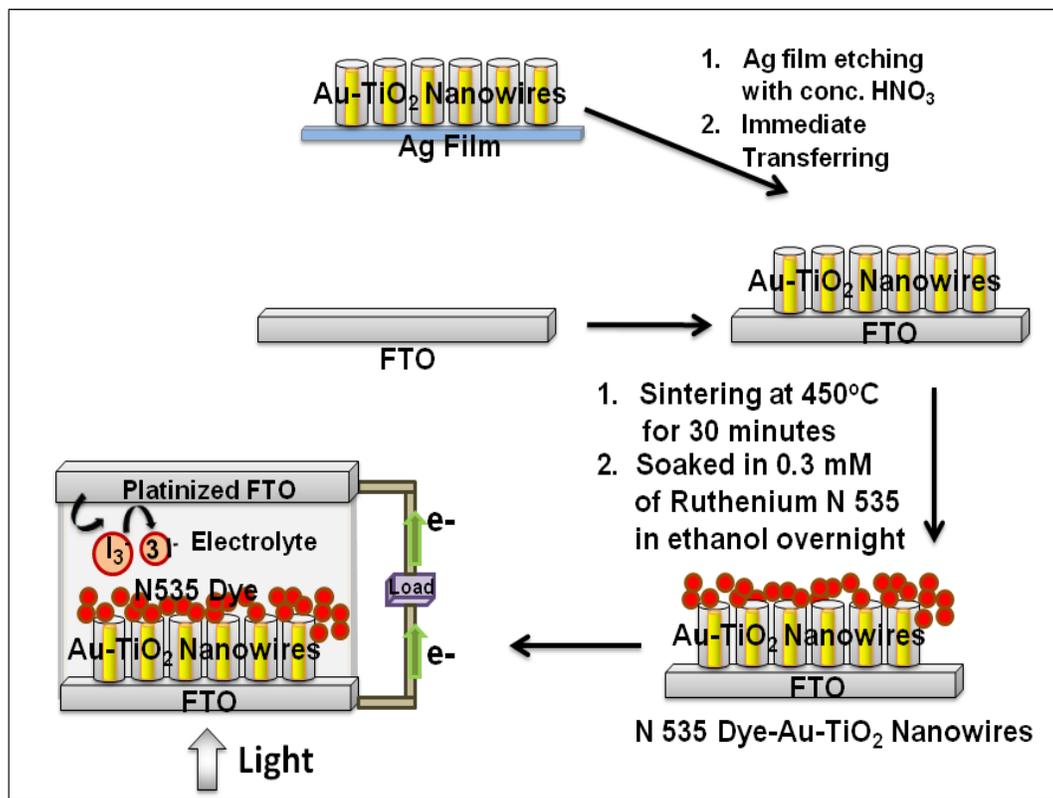


Figure S3. 4.5 μM long Au-TiO₂ core-shell nanostructures before TiCl₄ treatment

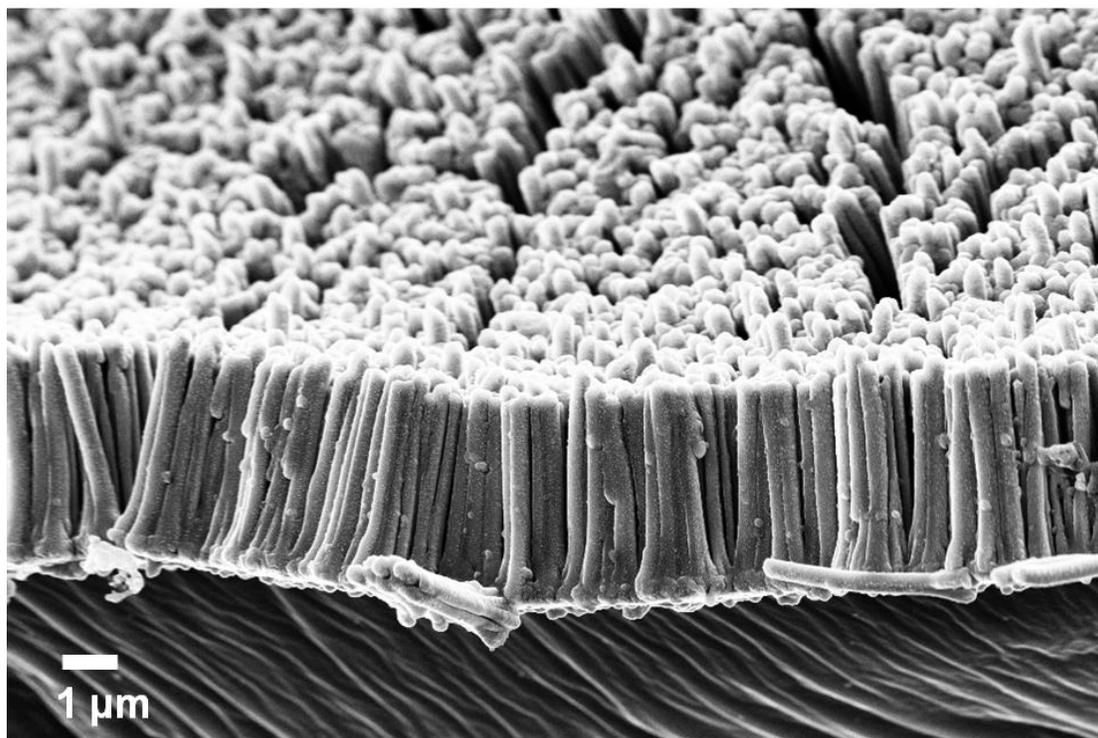


Figure S4. 4.5 μM long Au-TiO₂ core-shell nanostructures after TiCl₄ treatment

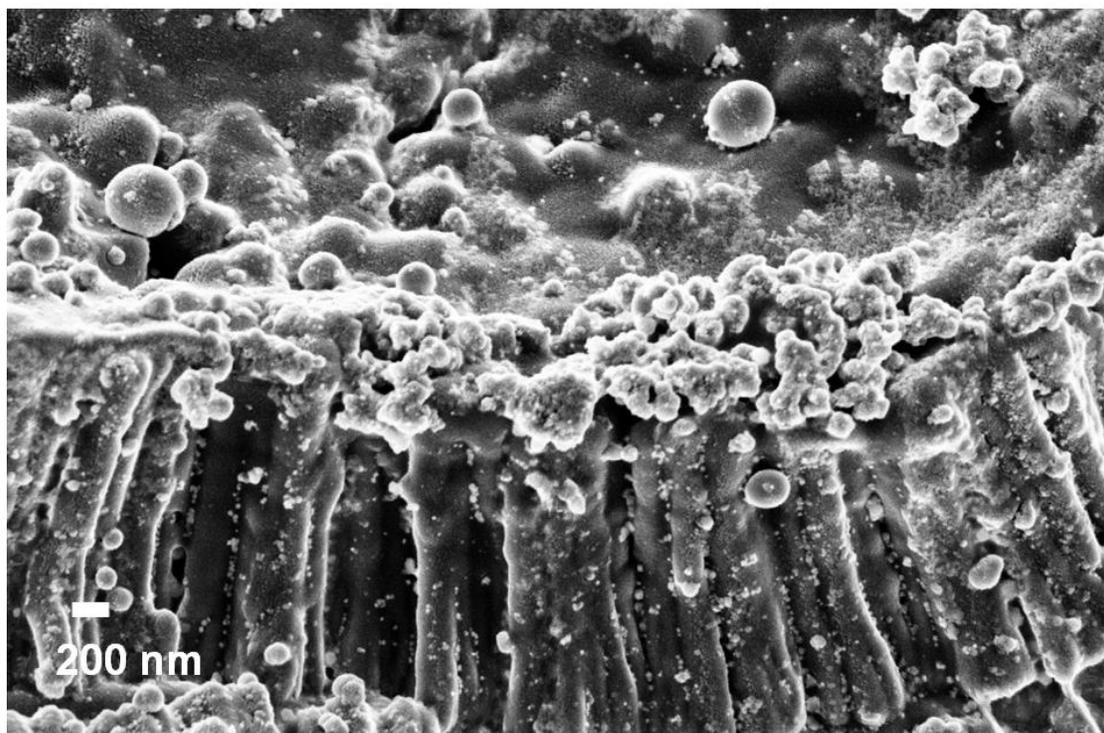


Figure S5: FESEM image of the 4.5 μm long Au-TiO₂ core-shell nanowire array on FTO after the removal of the Ag layer.

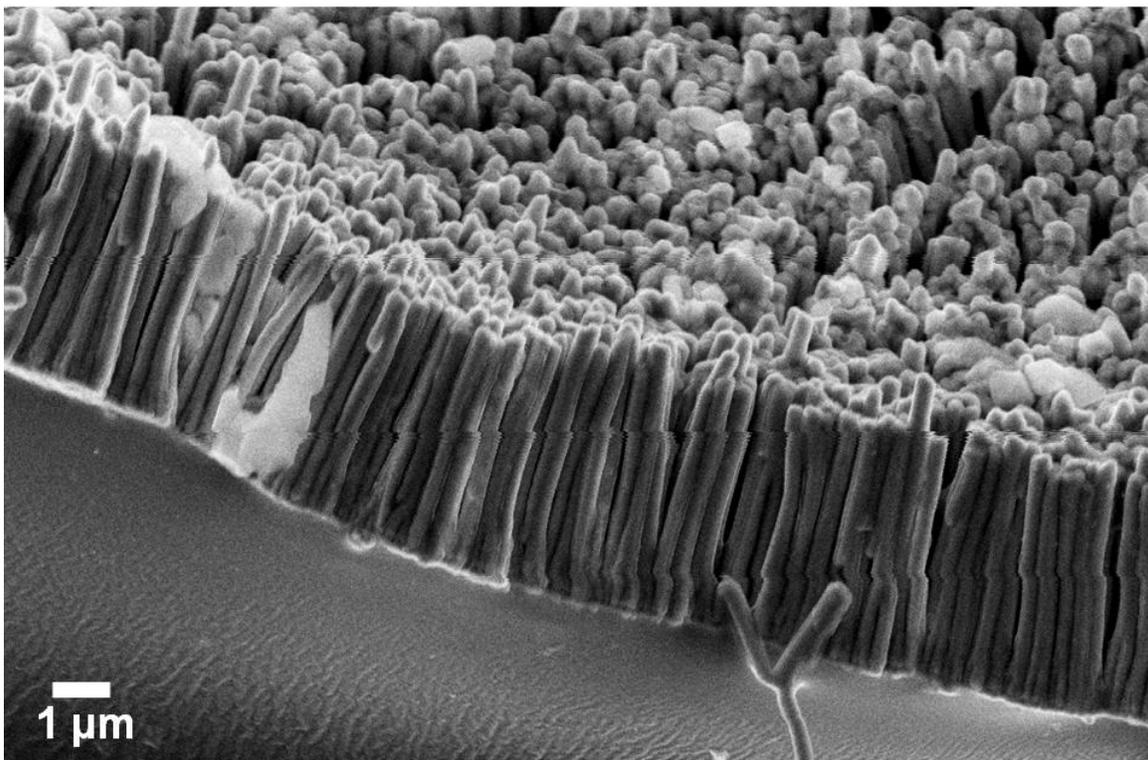


Figure S6. The difference in IPCE spectrum of the Au-TiO₂ core-shell DSSC and TiO₂ nanoparticle DSSC.

