

Figure S1. External quantum efficiency (EQE) of dye-sensitized solar cells (DSSCs). The black line is the DSSC based on the TNTAs and the red line is the DSSC based on the TNTAs with Au NP and carbon materials.

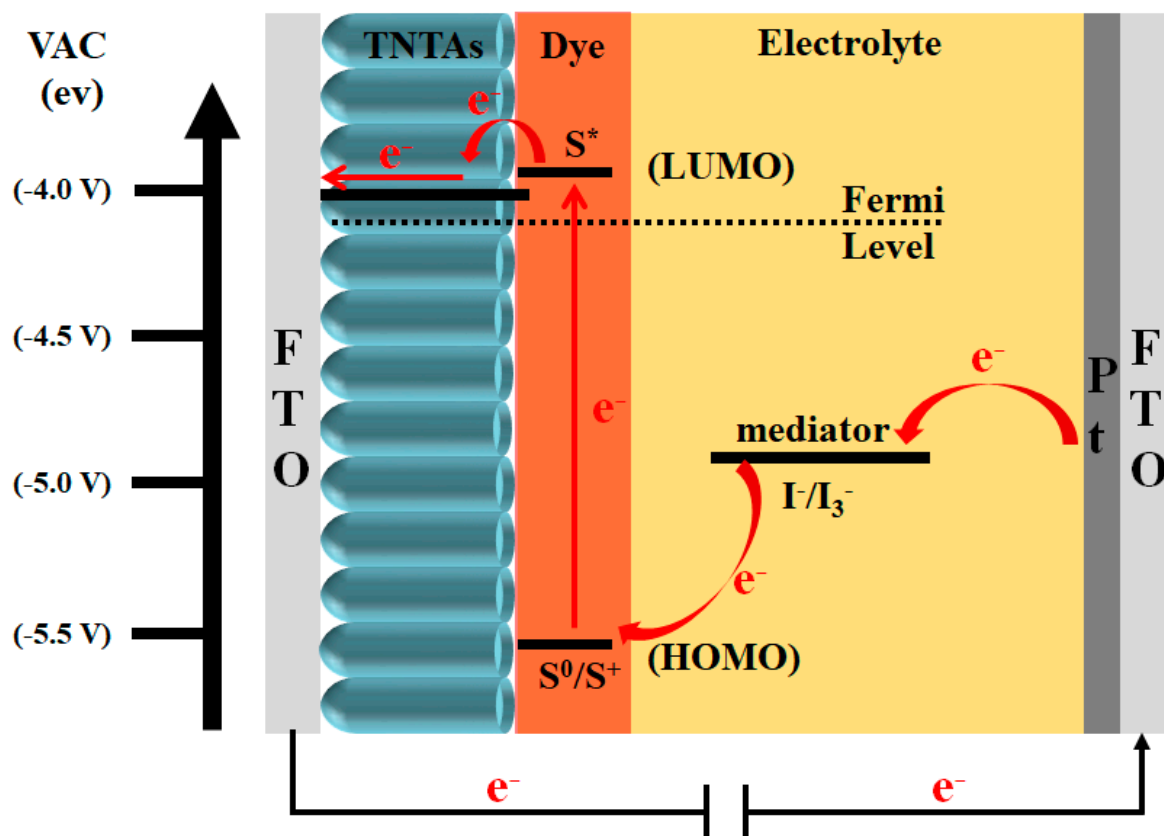


Figure S2. Energy band diagram of DSSC based on the TNTAs.