Supporting Information for

Efficient titanium foil based perovskite solar cell: Using titanium dioxide nanowire arrays anode and transparent poly(3,4-ethylenedioxythiophene) electrode

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Fig. S1 FTIR spectrum of the PEDOT.
Fig. S2 Top-view SEM images of the pure TNPs (a) and TNP-CH$_3$NH$_3$PbI$_3$ (b); Cross-sectional SEM images of the pure TNPs (c) and TNP-CH$_3$NH$_3$PbI$_3$ (d).
Fig. S3 Top-view SEM images of the PEDOT (a) and PEDOT-CH$_3$NH$_3$PbI$_3$ (b) with a bar of 1 μm; Cross-sectional SEM images of the PEDOT (c) and PEDOT-CH$_3$NH$_3$PbI$_3$ (d) with a bar of 10 μm.
Fig. S4 UV-Vis absorption spectra of the PEDOT, CH$_3$NH$_3$PbI$_3$, and TNW, respectively.
Fig. S5 CVs of Ferrocene (a), TNW (b), CH$_3$NH$_3$Pbl$_3$ (c), and PEDOT (d), respectively.