

Supplementary Information

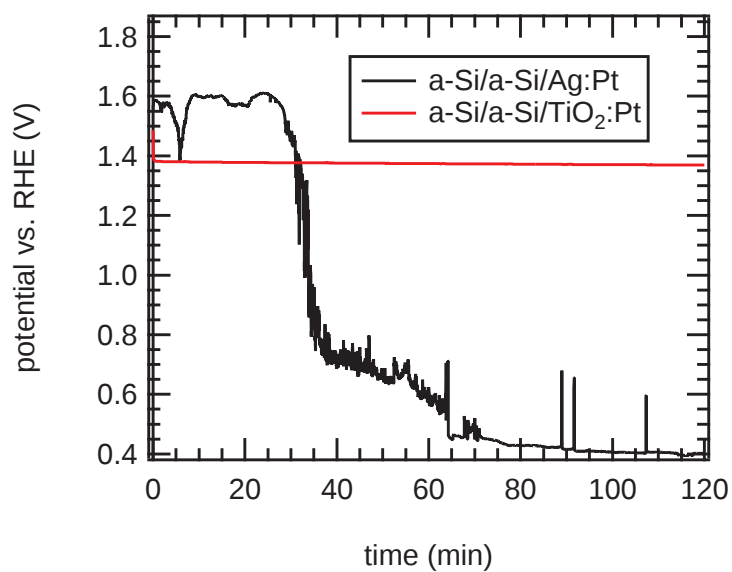


Figure S1: Chronopotentiometric measurement at -0.5 mA cm^{-2} . The silver contact degrades quickly due to delamination from the electrode, whereas the TiO_2 layer is stable for at least 2 h.

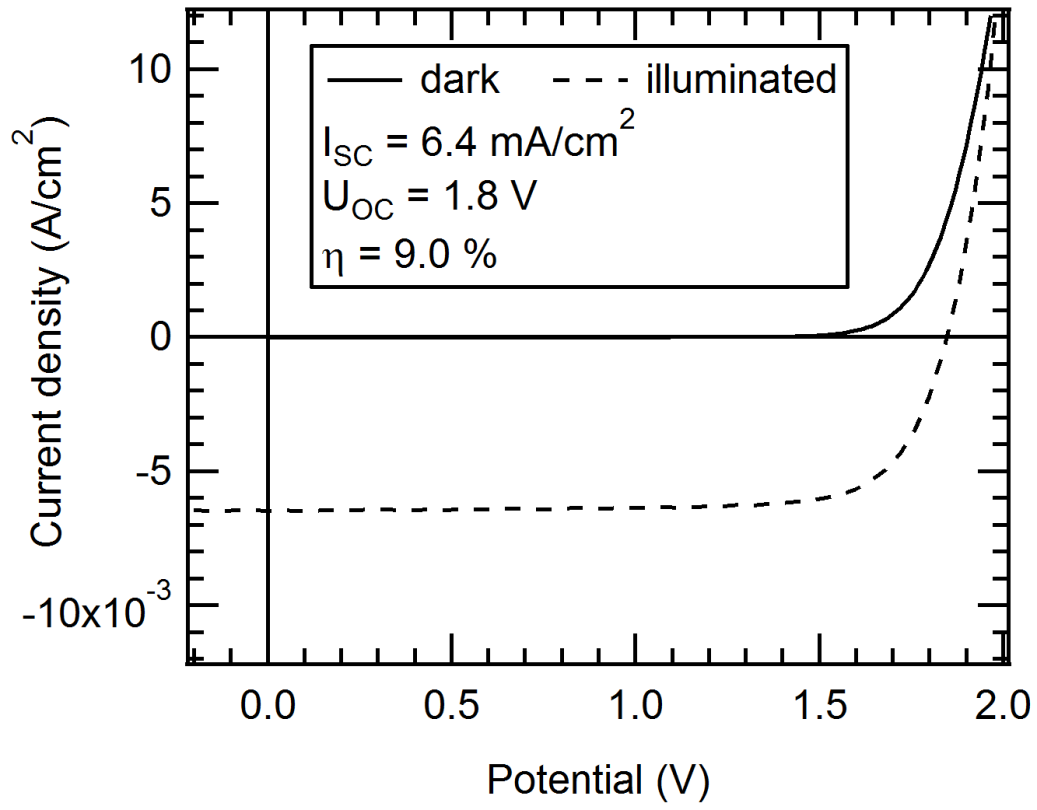


Figure S2: Photovoltaic characteristic of an a-Si:H/a-Si:H solar cell in the dark and under AM1.5 illumination.

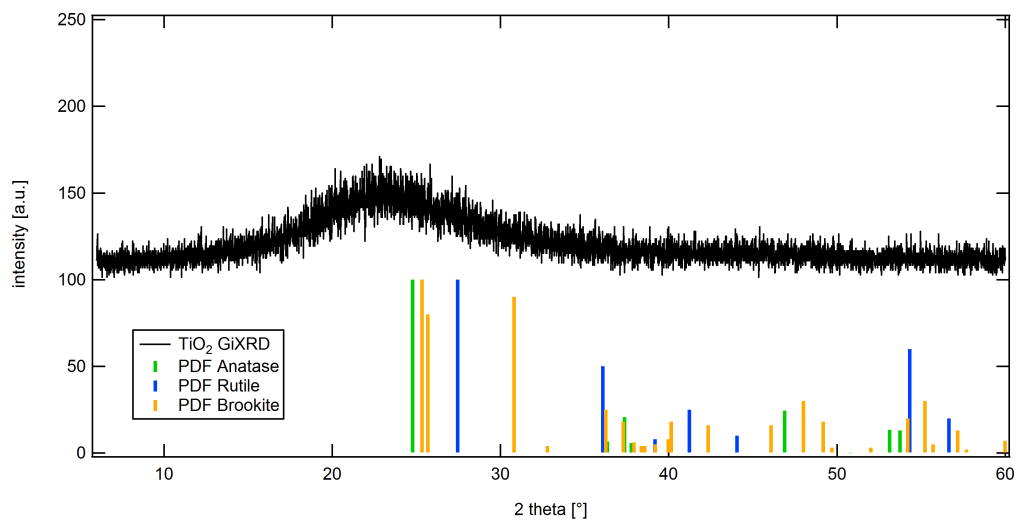


Figure S3: Grating incident XRD of TiO₂ layer on corning glass substrate.

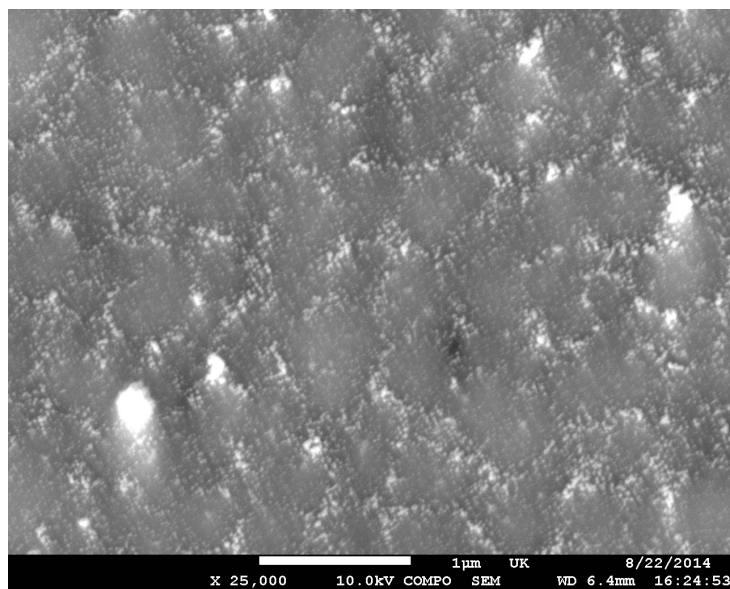


Figure S4: SEM image of electrochemical deposited platinum on the TiO₂ covered tandem cell.