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Electronic Supporting Information

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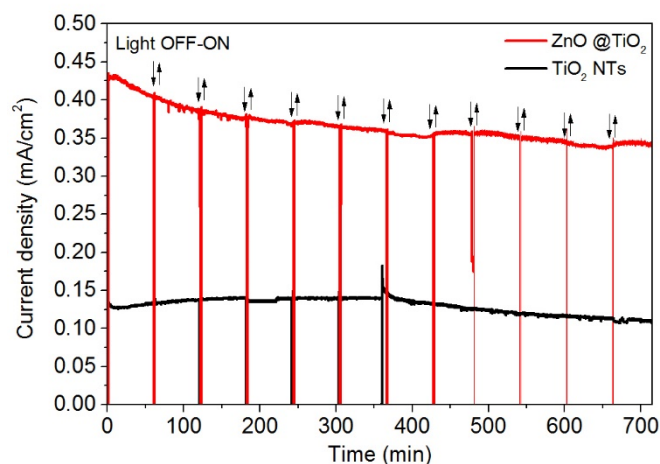


Figure S1. Long-time *I-t* curves (12 h) at 0.3 V vs. Ag/AgCl under AM 1.5G simulated solar illumination (100 mW/cm²) of TiO₂ NTs and ZnO@TiO₂ photoelectrodes.

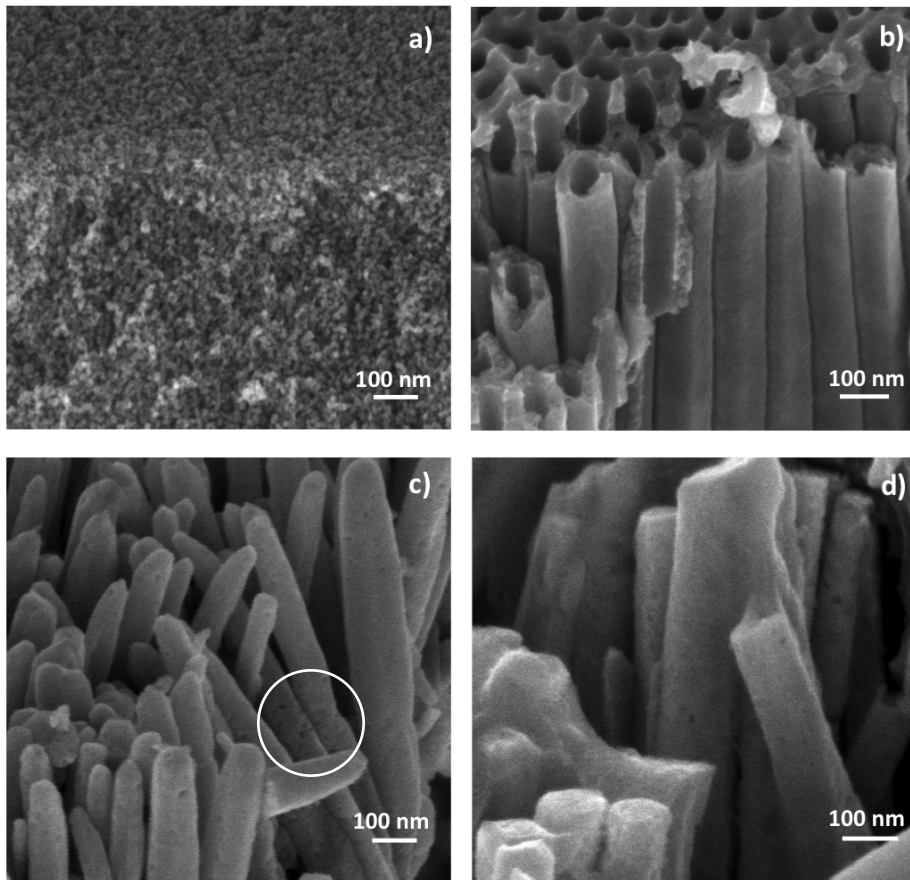


Figure S2. 45° tilted view FESEM images of the different nanostructures after PEC tests: a) TiO₂ NPs, b) TiO₂ NTs after additional 12h CA, c) ZnO NWs and d) ZnO@TiO₂ core shells after additional 12h CA. White circle put in evidence the early corrosion stage of the ZnO NWs