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Comparison of photocatalytic and transport properties of TiO$_2$ and ZnO nanostructures for solar-driven water splitting

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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/cm$^2$) of TiO$_2$ NTs and ZnO@TiO$_2$ photoelectrodes.
**Figure S2.** 45° tilted view FESEM images of the different nanostructures after PEC tests: a) TiO$_2$ NPs, b) TiO$_2$ NTs after additional 12h CA, c) ZnO NWs and d) ZnO@TiO$_2$ core shells after additional 12h CA. White circle put in evidence the early corrosion stage of the ZnO NWs