**Figure S1** TEM images of r-nTiO$_2$, POT fibers, and MWCNT-7.

Figure S1 is based on Supplementary Figure S2 in Supplementary Doc S2 in Abdelgied et al, 2019 [11]: Creative Commons Attribution 4.0 International License (http://creativecommons.org/licenses/by/4.0/).

**Figure S2** Lengths and diameters of the POT fibers used in this study.

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