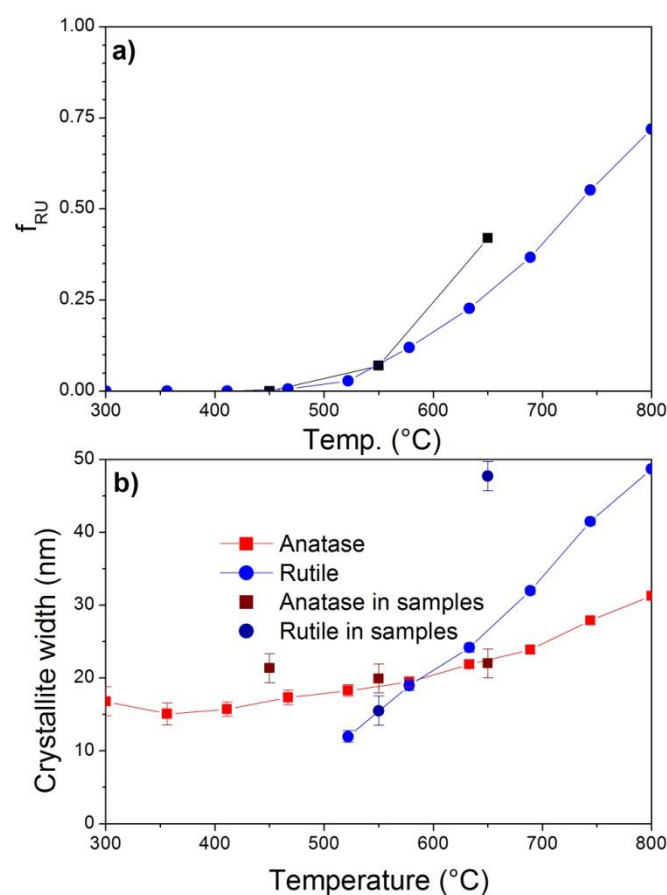


## Supplementary Information:

### Influence of the anatase/rutile ratio on the charge transport properties of $\text{TiO}_2$ -NTs arrays studied by dual wavelength opto-electrochemical impedance spectroscopy.

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**Figure S1 :** a) Fraction of rutile phase depending on temperature for the in-situ experiment (blue circles) and for the three samples prepared for PEC experiments (black squares). B) Evolution of the anatase and rutile crystallite size as a function of the temperature for the in-situ experiment (red and blue) and for the three samples (wine and violet).