Supporting Information

Electrochemical Assessment of the Band-Edge Positioning in Shape-Tailored TiO_2-Nanorod-Based Photoelectrodes for Dye Solar Cells

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Chemical capacitance C_μ provides quantitative information about the position of the CB as well as about the value of the band shift (ΔE_c) with respect to a reference electrode. In this work AR4-PE has been assumed as reference electrode.

By using the definition of the voltage at the equivalent CB position we thus calculated:

$$V_{ecb}=V_{corr}- \Delta E_c/q$$

It becomes thus possible to compare both $C\mu$ and R_{CT} of the five films at the same level of electron density as reported below.

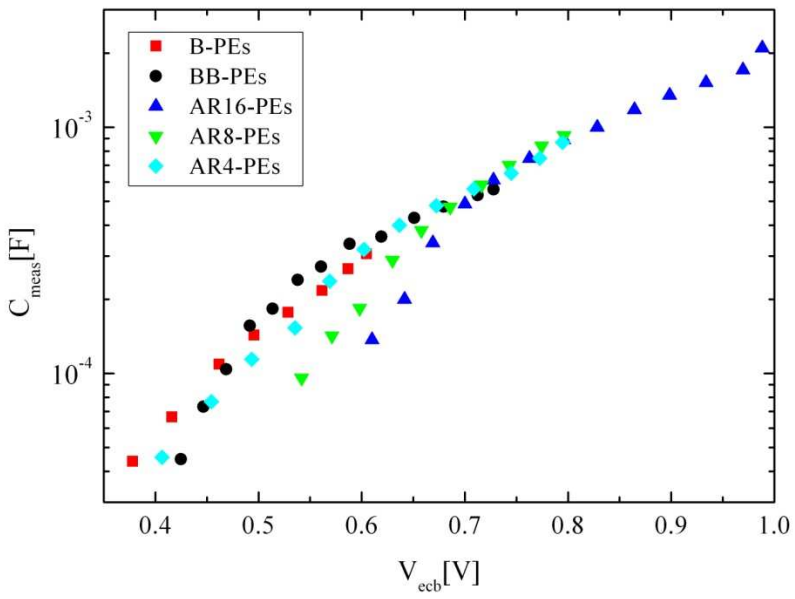

Figure S1 Chemical capacitance represented at the equivalent CB position taking cell AR4-PEs as a reference.

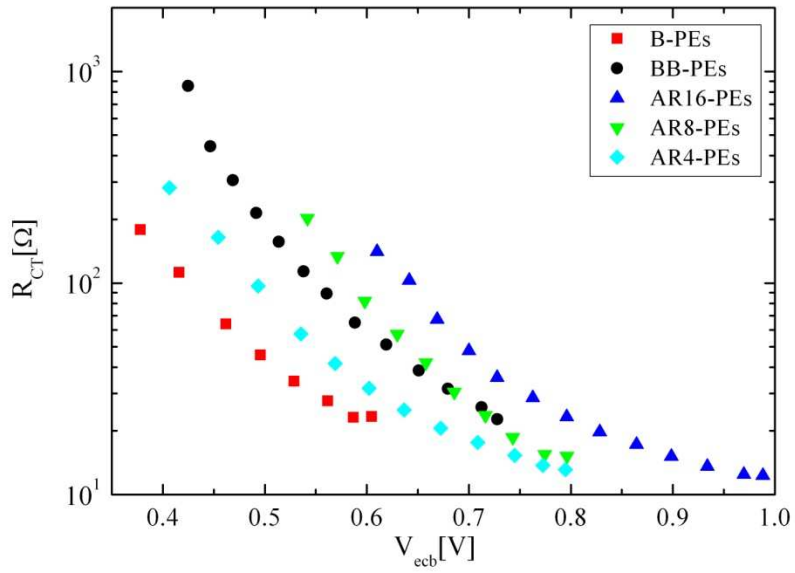

Figure S2 Recombination resistance represented at the equivalent CB position taking cell AR4-PEs as a reference.