

Supplementary

Ion Mobility in Thick and Thin Poly-3,4-Ethylenedioxythiophene Films— From EQCM to Actuation

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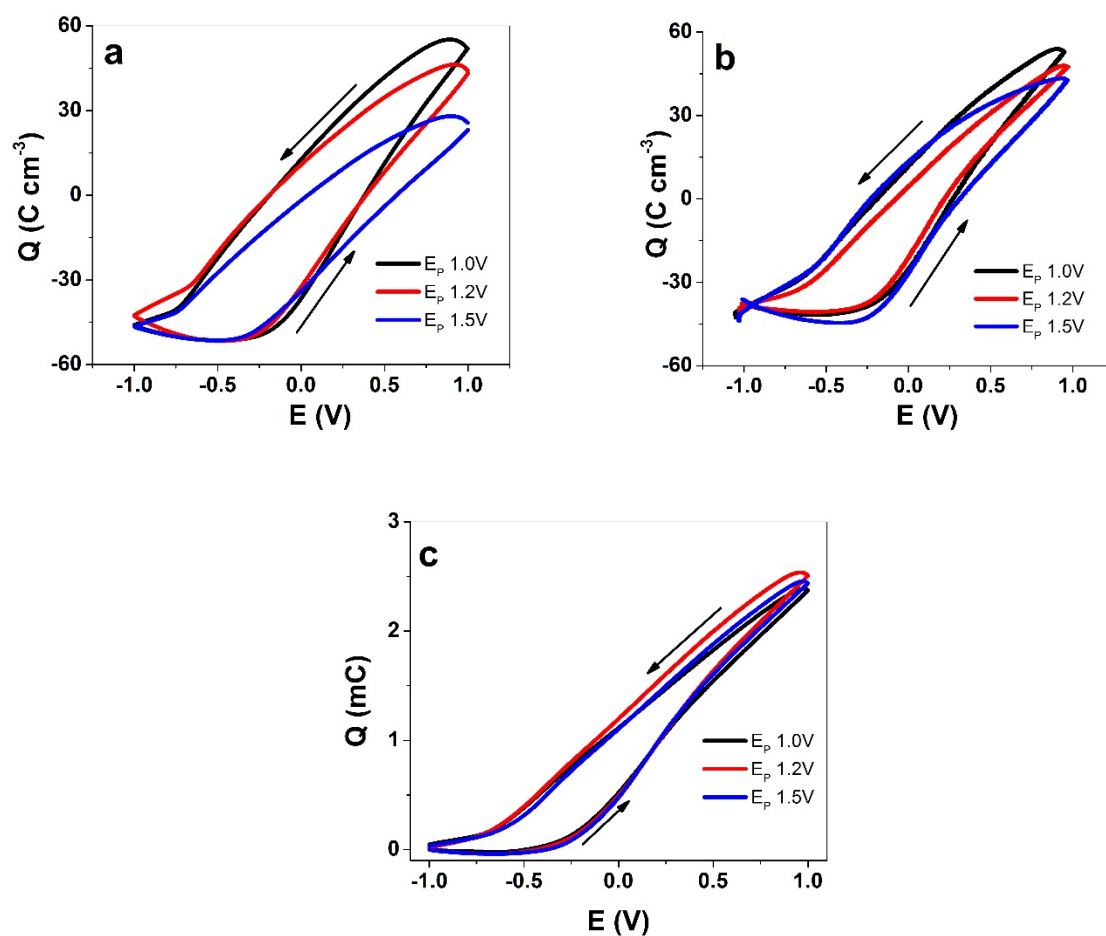


Figure S1. Charge potential curves in cyclic voltammetry ($\pm 1.0V$, TBAPF₆-PC electrolyte) of PEDOT films made at E_p 1.0V (black curve), E_p 1.2V (red curve) and E_p 1.5V (blue curve) shown in a: for PEDOT-FF, in b: for PEDOT-BL and c: for EQCM measurements. The arrows indicate the start and end points of the 3rd cycle.

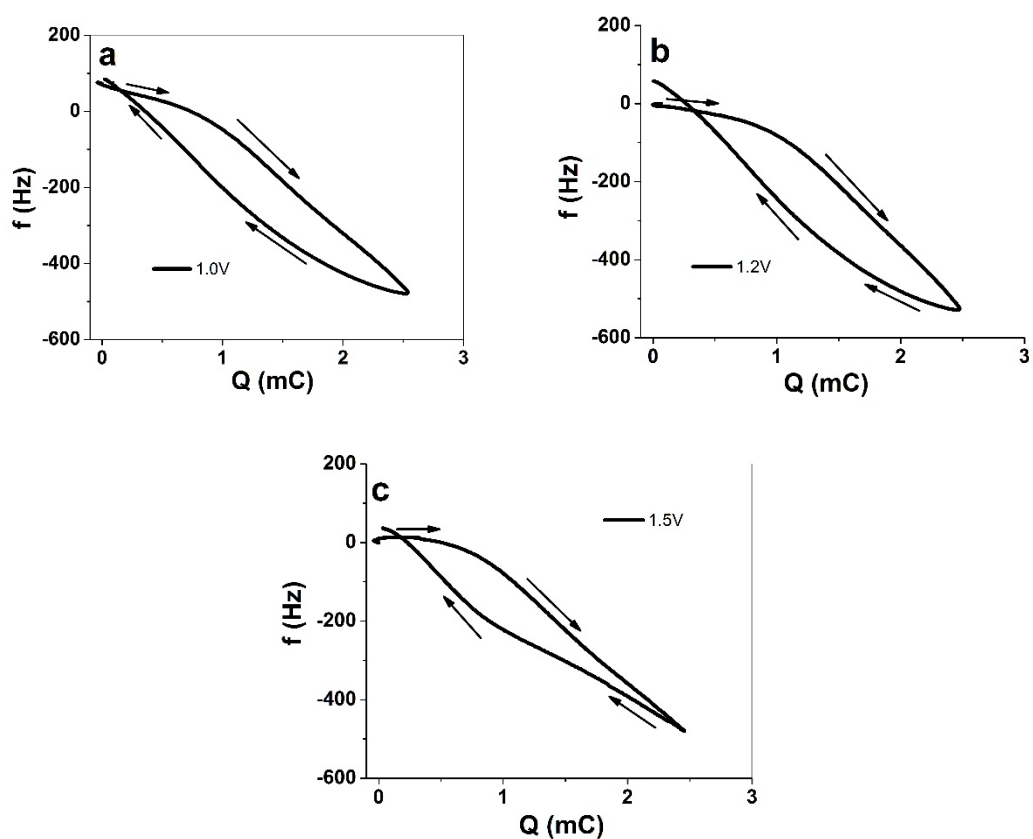


Figure S2. Cyclic voltammetric (scan rate 10 mV s^{-1}) in TBAPF₆-PC electrolyte at $\pm 1.0\text{V}$ showing EQCM measurements of frequency f against charge Q of PEDOT films on quartz crystals polymerized at a: E_P 1.0V, b: E_P 1.2V and c: E_P 1.5V. The arrows indicate the direction of the scan (starting point -1.0V).