

Supplementary Information

AFM

AFM images of Glass/ITO/TiO_x/P3HT:PCBM and Glass/ITO/TiO_x/P3HT:PCBM/MoO₃ before and after thermal annealing (170°C – 10 min) are shown on Figure S1. The MoO₃ layer is 15 nm-thick and the RMS roughness was evaluated on a 2 μm $\times$ 2 μm area.

The RMS roughness of Glass/ITO/TiO_x/P3HT:PCBM is 1.4 and 2.0 nm respectively before (S1-A) and after (S1-C) annealing. For Glass/ITO/TiO_x/P3HT:PCBM/MoO₃ samples, the RMS roughness is 1.7 and 0.7 nm respectively before (S1-B) and after (S1-D) thermal annealing.

Figure S1. AFM height images of Glass/ITO/TiO_x/P3HT:PCBM (A, C) and Glass/ITO/TiO_x/P3HT:PCBM/MoO₃ (B,D) before (A, B) and after (C, D) thermal annealing at 170°C for 10 min.

