Electronic Supplementary Information (ESI)

Fabrication and Physical Properties of Self-Assembled Ultralong Polymer/small molecule Hybrid Microstructures

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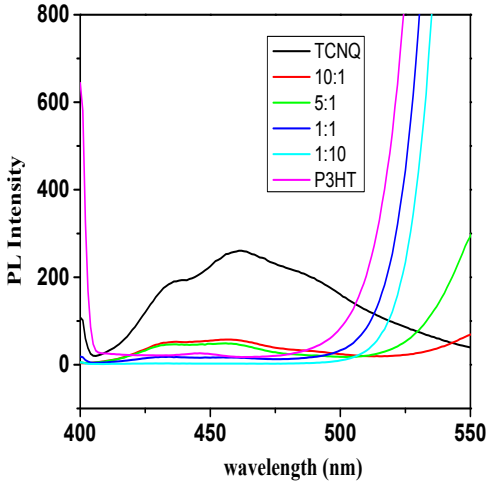

Figure S1. PL spectra of P3HT, TCNQ and P3HT/TCNQ complex.

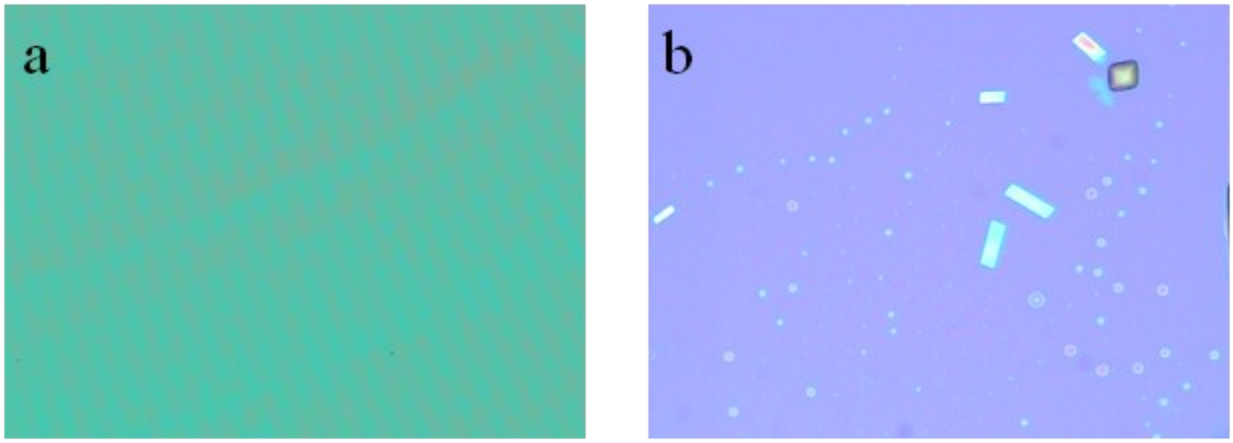

Figure S2. Optical images of P3HT film and TCNQ microplates obtained by the drop-casting method. We observed that the polymer molecules gathered to form continuous film and TCNQ tend to pack into microplates after solvent evaporation.

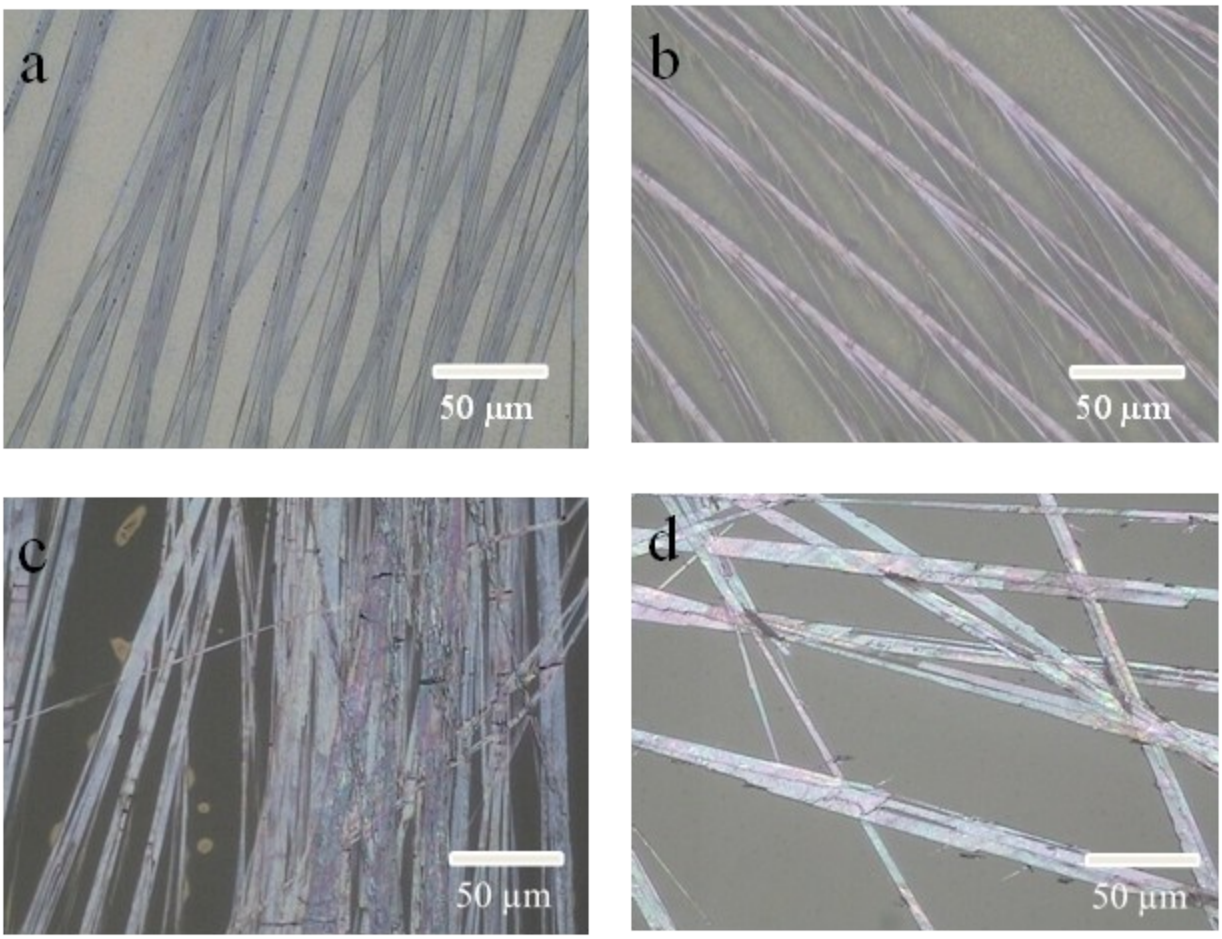

Figure S3. Detailed optical images of numbers of P3HT-TCNQ hybrid microstructures obtained by the drop-casting method with different mass ratio: 10:1 (a), 5:1 (b), 1:1 (c), 1:10 (d). With the decrease of polymer content, hybrid wires tend to gather and form confluent plate-like architecture.

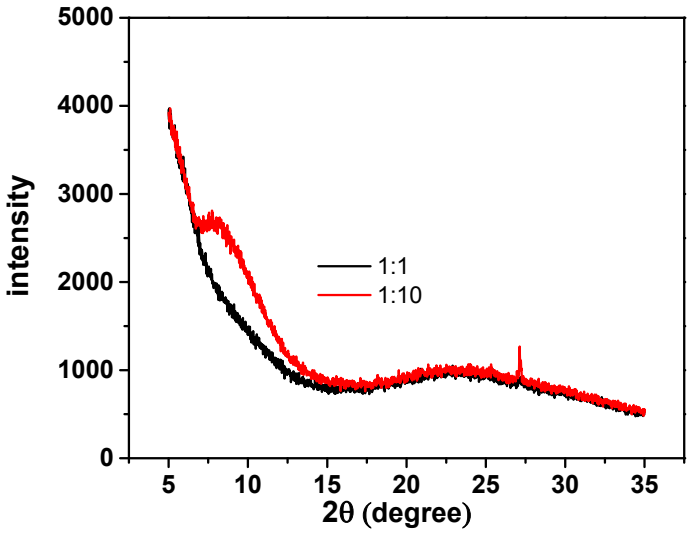

Figure S4. Power X-ray diffraction pattern of the P3HT/TCNQ hybrid.