

Enhanced photovoltaic performance of polymer solar cells by designing fused dithienosilolodithiophene (DTtS) structure with enlarged π -conjugated system

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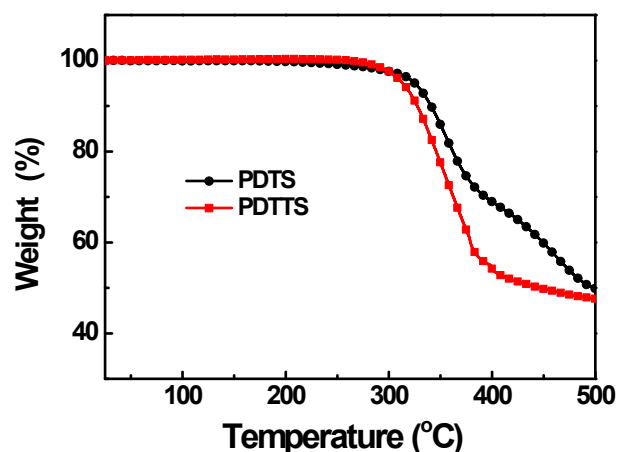


Figure S1. TGA plots of PDTSDTBT and PDTtSDTBT with a heating rate of 10 °C/min under an inert atmosphere.

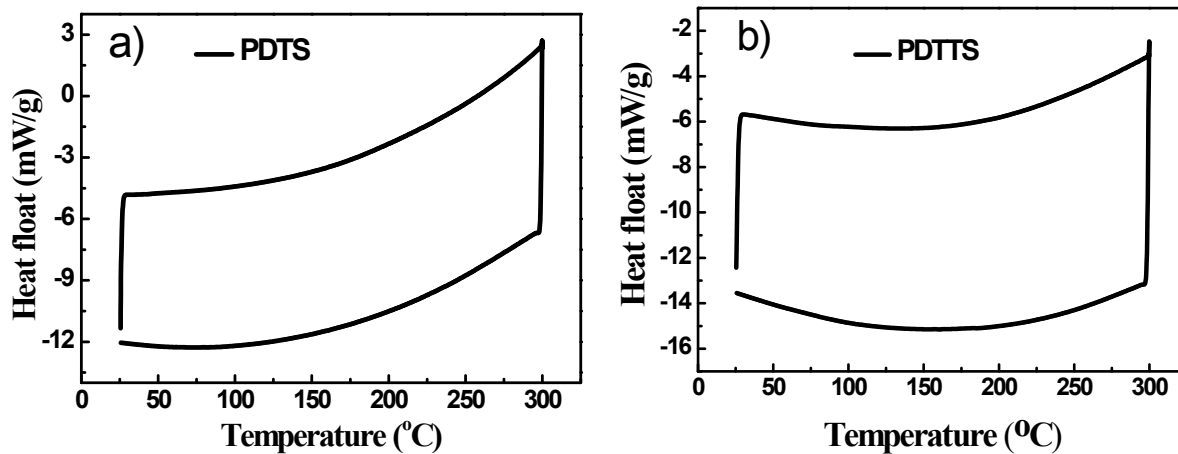


Figure S2. DSC curves of polymers with a scanning rate of 10 °C/min.

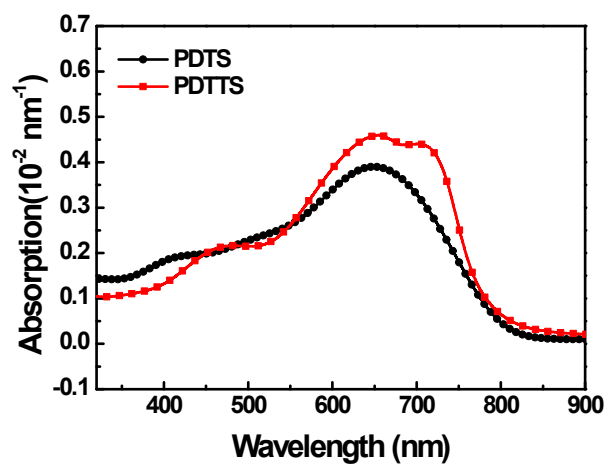


Figure S3. UV-vis absorption spectra of the polymers in film on quartz.

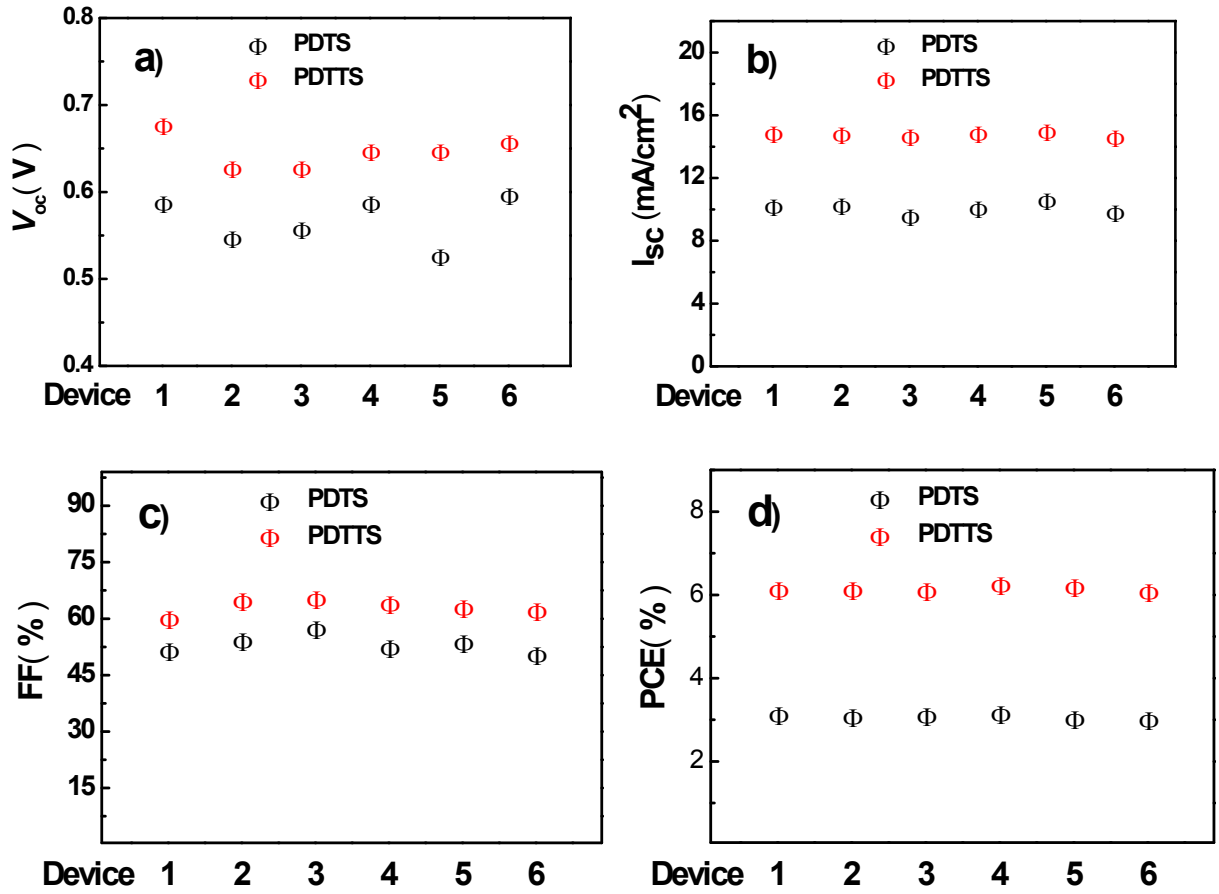


Figure S4. a) V_{oc} , b) I_{sc} , c) FF and d) PCE dependence on Polymer: PC₇₁BM(1:1.5) under the illumination of AM1.5G, 100 mW cm⁻².