Supporting Information

High-Efficiency Polymer Solar Cells with a Cost-Effective Quinoxaline Polymer through Nanoscale Morphology Control Induced by Practical Processing Additives

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Table of Contents Page number

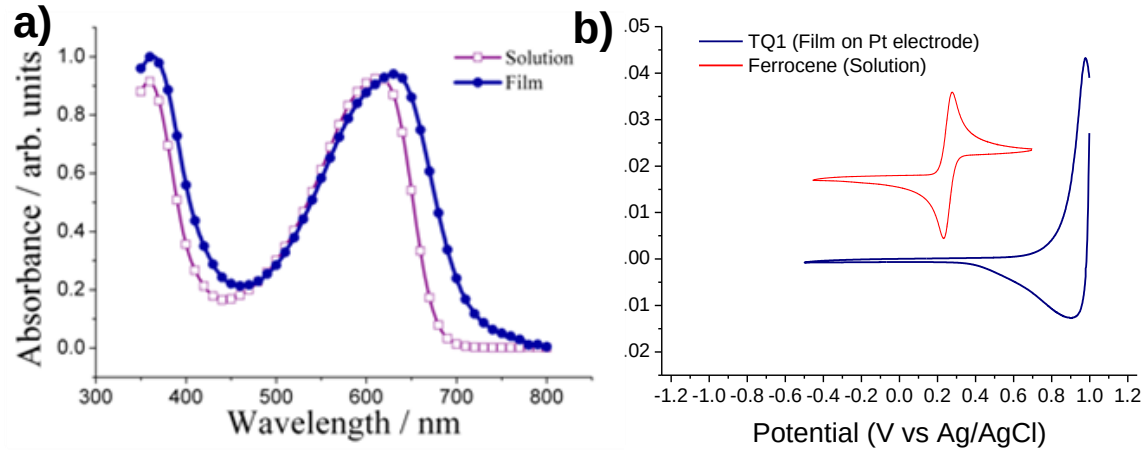


Figure S1. (a) UV-Vis absorption spectra of TQ1 in dilute chloroform solution and thin films on glass plate. (b) Cyclic voltammograms of TQ1 in the films.

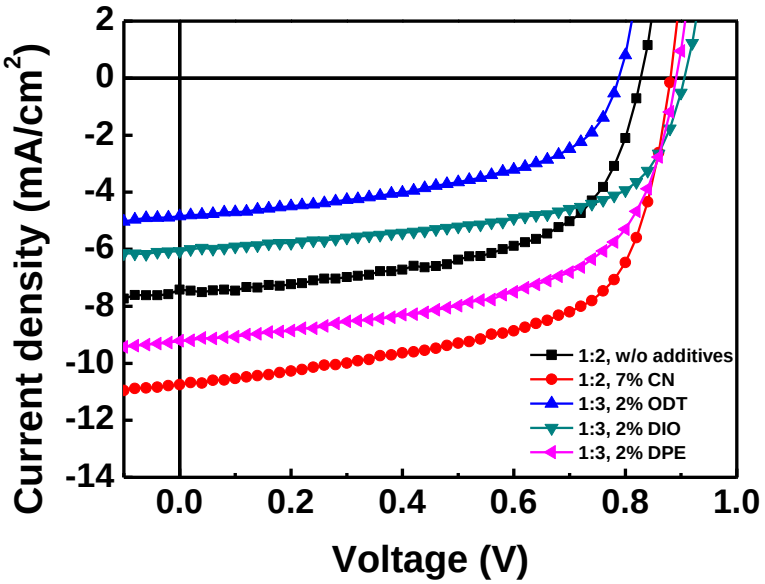


Figure S2. *J-V* characteristics of PSCs based on TQ1:$PC_{71}BM$ without or with various additives.

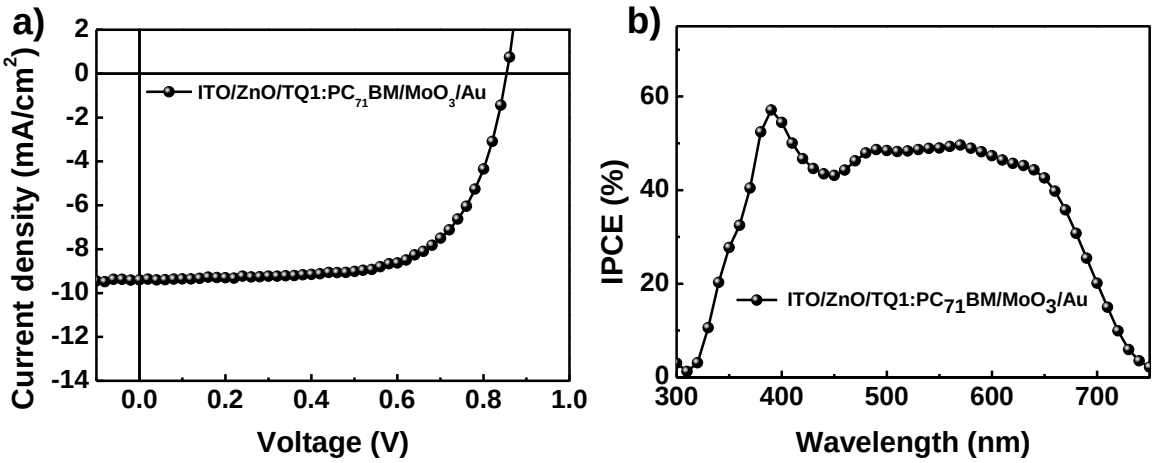
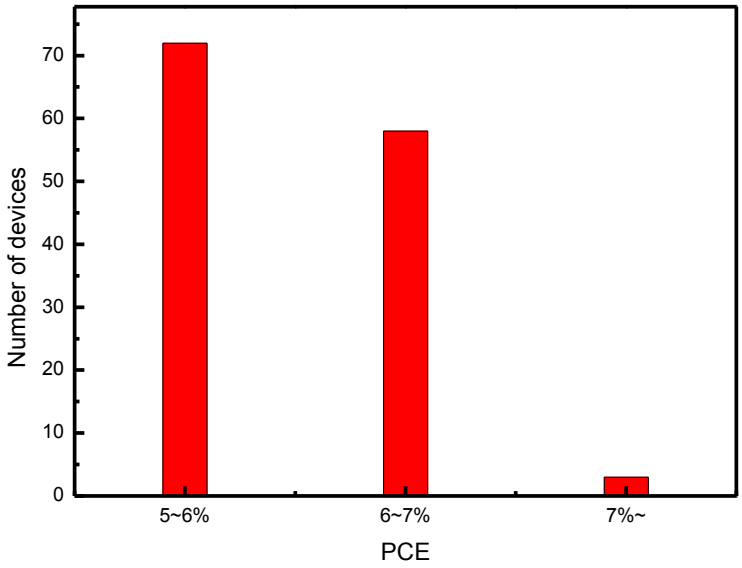


Figure S3. (a) *J-V* characteristics and (b) IPCE of the inverted TQ1:$PC_{71}BM$ PSCs using Au. J_{SC} = 9.40 mA/cm^2, V_{OC} = 0.85 V, *FF* = 0.67, PCE = 5.35%.



PCE	5-6%	6-7%	>7%
Number of Cells	72	58	3

Figure S4. Statistical data analysis of PCEs with the devices (TQ1:$PC_{71}BM$ = 1:2 (w/w) with 5% CN).