

Supplementary Information

Synergetic Enhancement of Organic Solar Cell Thermal Stability by Wire Bar Coating and Light Processing

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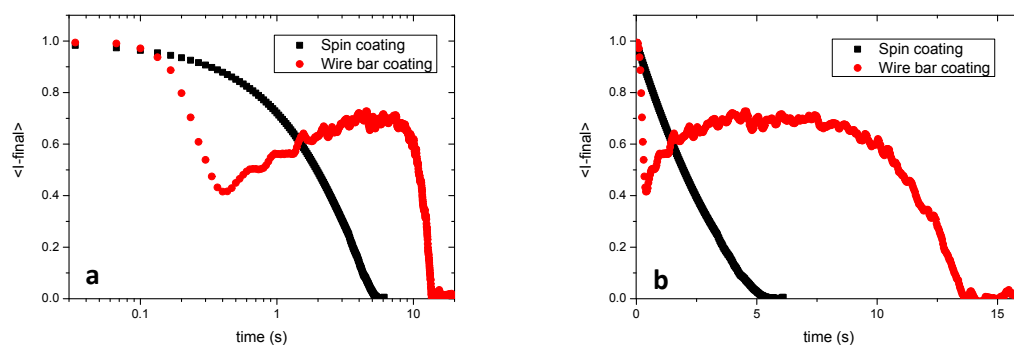


Figure S1: Normalized transmitted light intensity obtained by insitu monitoring of film formation during SC and WBC film formation of PCDTBT:PC₆₀BM. 'Drying time' was estimated by cessation of intensity changes. Data plotted in (a) logarithmic and (b) linear scales for clarity.

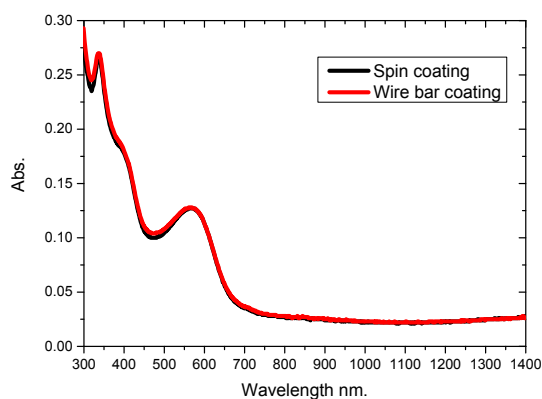


Figure S2: UV-Vis absorption spectra of SC and WBC PCDTBT:PC₆₀BM films

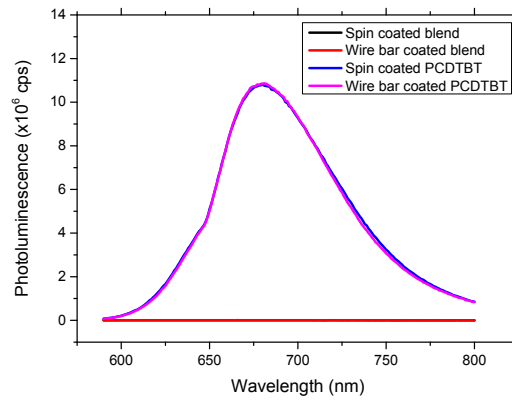


Figure S3: Photoluminescence (PL) emission spectra of SC and WBC PCDTBT:PC₆₀BM blend and PCDTBT films.

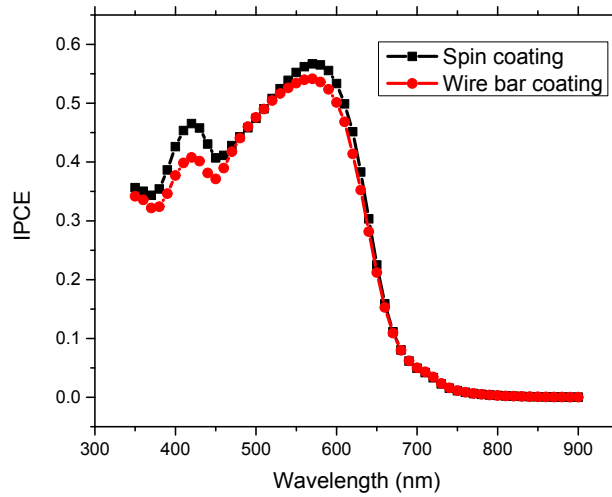


Figure S4: External Quantum Efficiency (EQE) of SC and WBC PCDTBT:PC₆₀BM devices.

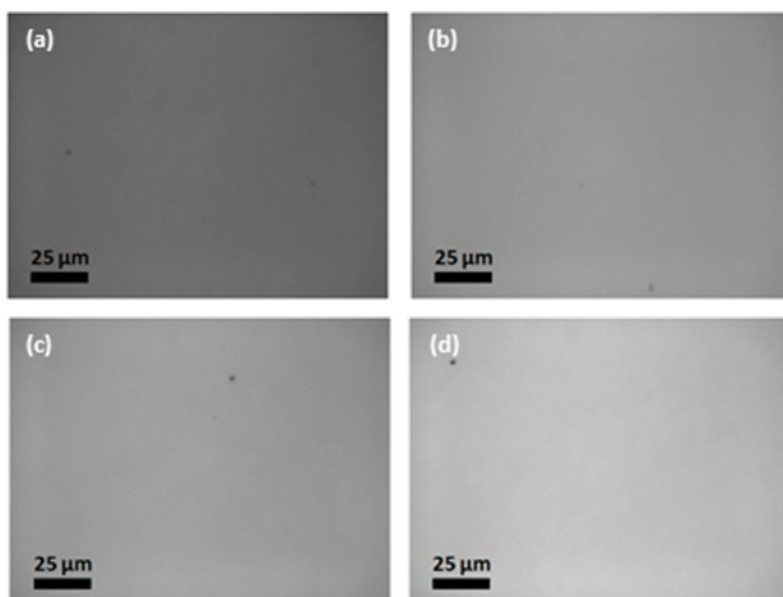


Figure S5: PCDTBT:PC₆₀BM system coated on PEDOT:PSS annealing at 80 °C in conditions: (a) SC dark, (b) SC light, (c) WBC dark & (d) WBC light.

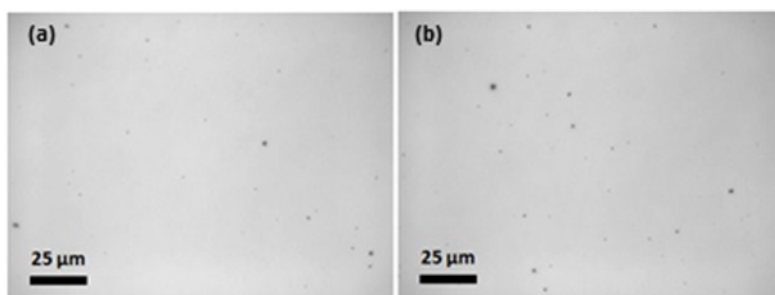


Figure S6: PCDTBT:PC₆₀BM blend as cast using (a) SC and (b) WBC techniques on SiO_x substrates.

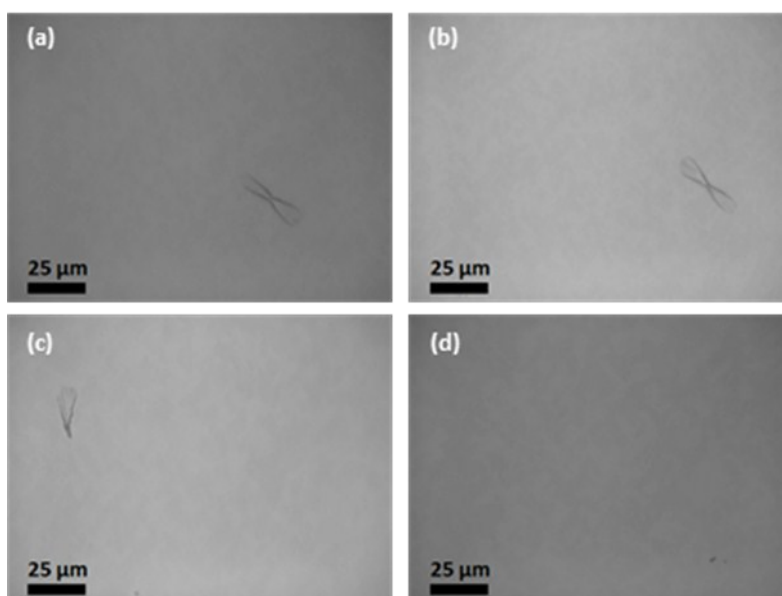


Figure S7: PCDTBT:PC₆₀BM coated on PEDOT:PSS annealing at 140 °C in conditions: (a) SC dark, (b) SC light, (c) WBC dark & (d) WBC light.