

Supplementary information

Two-in-one: cathode modification and improved solar cell blend stability through addition of modified fullerenes

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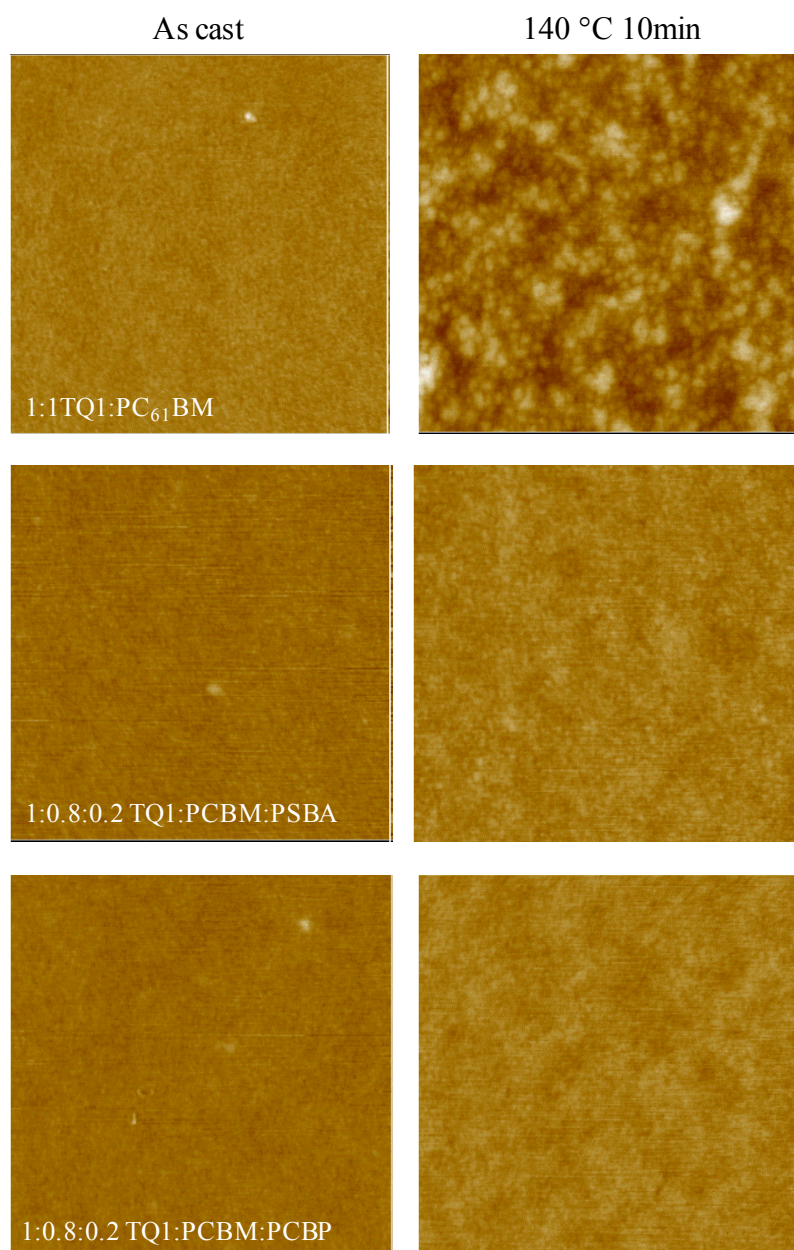


Figure S1. AFM before and after annealing at 140 °C for 10 min.

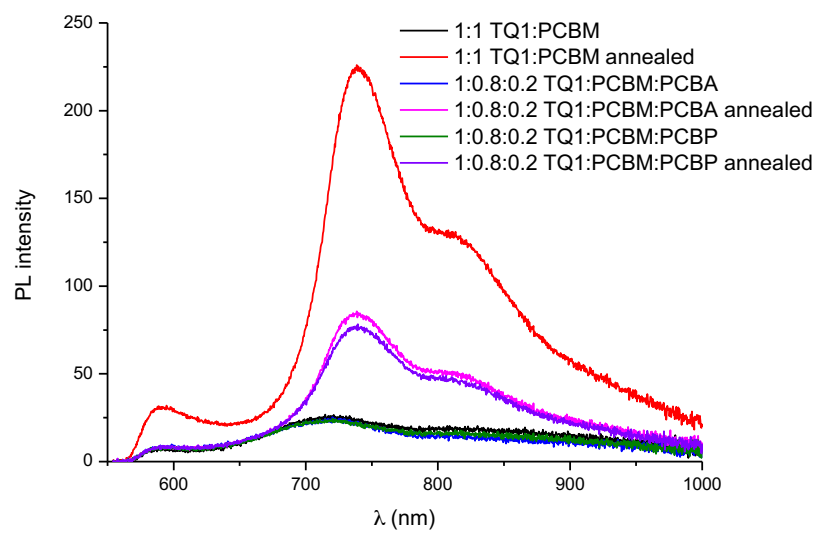


Figure S2. Photoluminescence spectra of TQ1:PCBM, TQ1:PCBM:PCBA and TQ1:PCBM:PCBP films before and after annealing at 140 °C for 10 min.

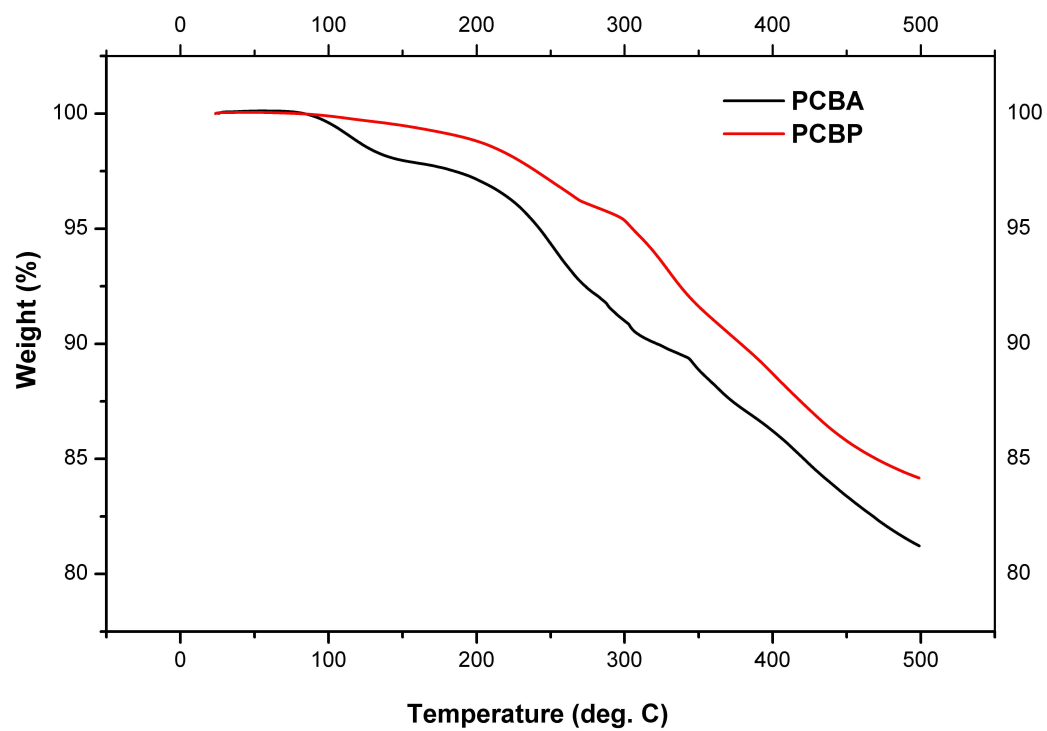


Figure S3. Thermo gravimetric analysis (TGA) of PBPA and PCBP.