

Supplementary Information

Influence of the Fullerene LUMO Level on the Stability of Bulk Heterojunction Solar Cells

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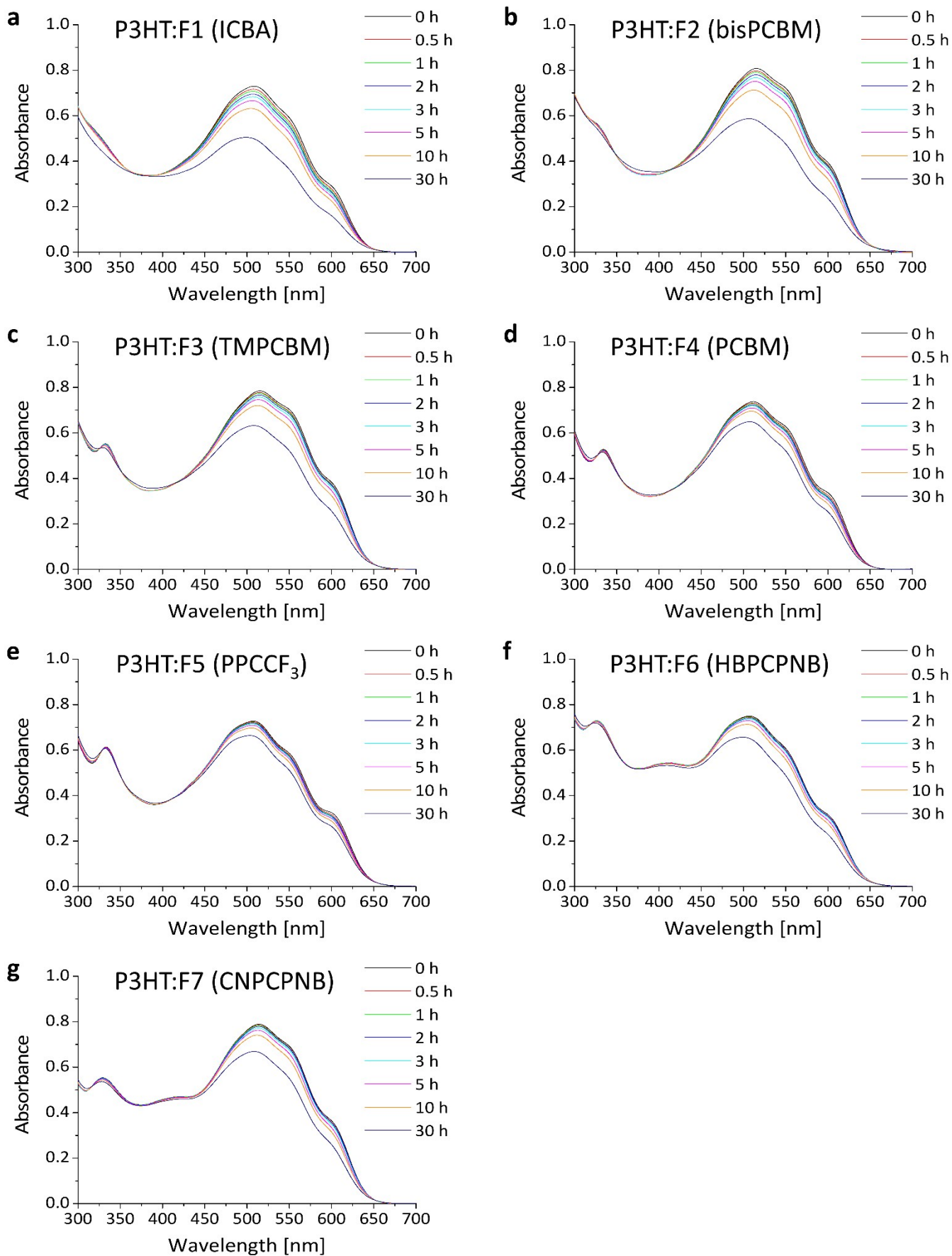


Figure S1: UV/vis spectra of all P3HT:fullerene (1:0.7) blend films after different times of irradiation under ambient air.

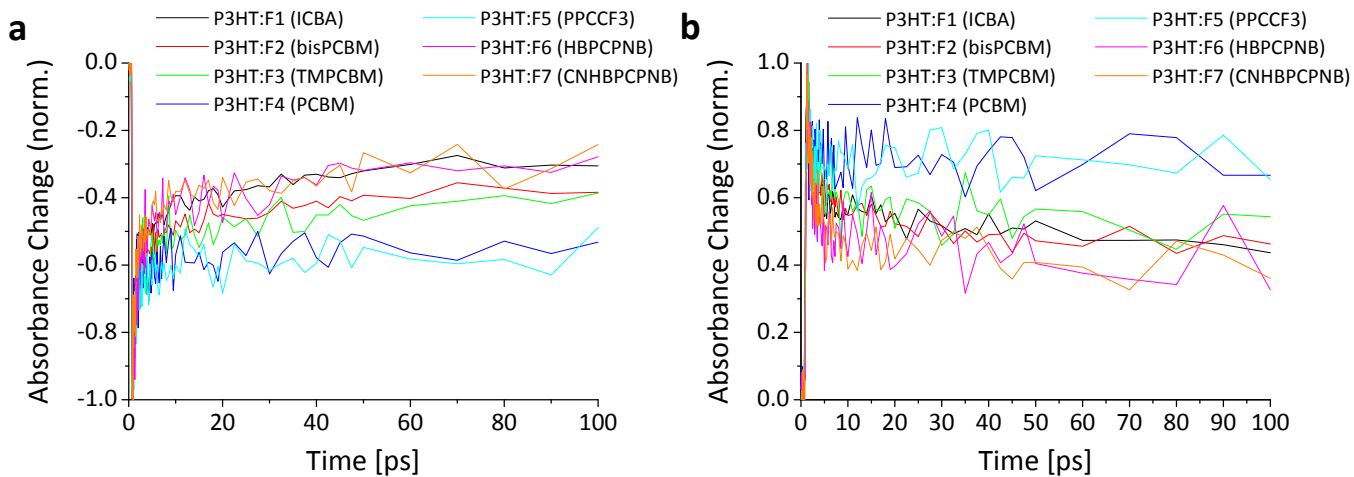


Figure S2: Normalized time absorption profile of the ground state bleaching at 510 nm (a) and the polaron signal at 650 nm (b) for all P3HT:fullerene blends.

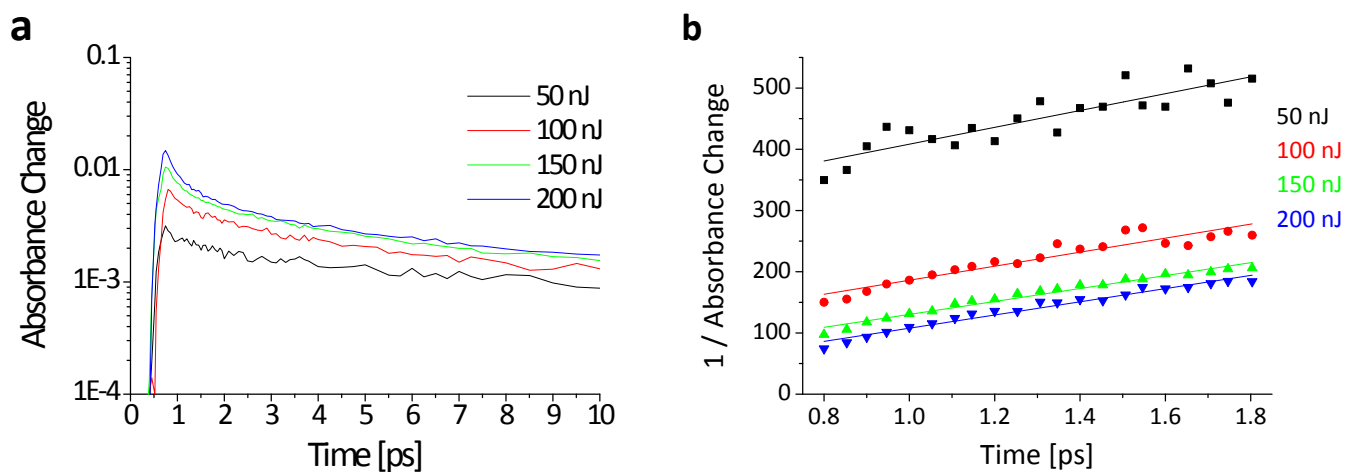


Figure S3: Normalized time absorption profile of the exciton signal at 1200 nm of a P3HT:F5 film for different pump energies during the first 10 ps (a) and the respective reciprocal during the first picosecond including linear fits (b) indicating the initial bimolecular kinetics due to S_1 - S_1 annihilation.