

### Refraction Index for all active layers

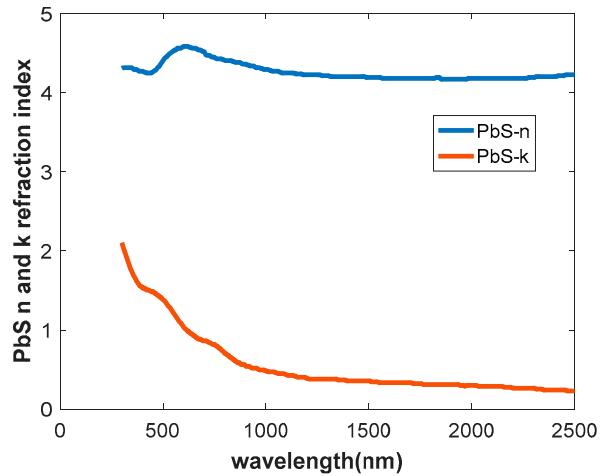


Fig S1: Refractive index (n,k) vs wavelngth for PbS

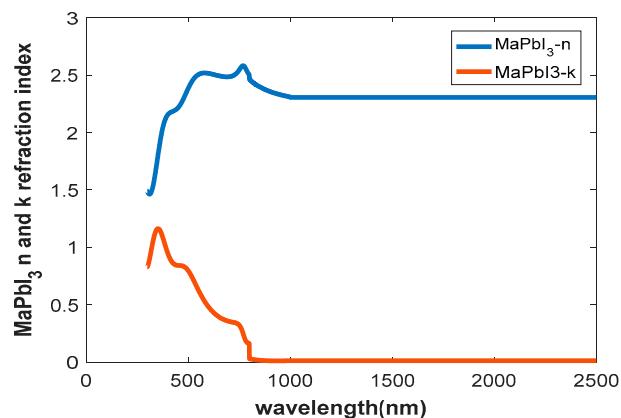


Fig S2: Refractive index (n,k) vs wavelngth for MAPbI<sub>3</sub>

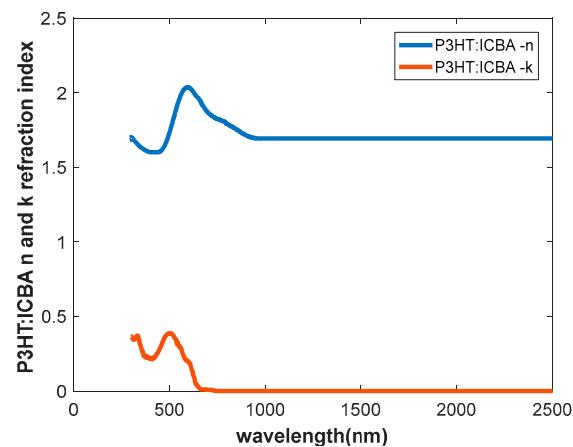


Fig S3: Refractive index (n,k) vs wavelngth for P3HT:ICBA blend

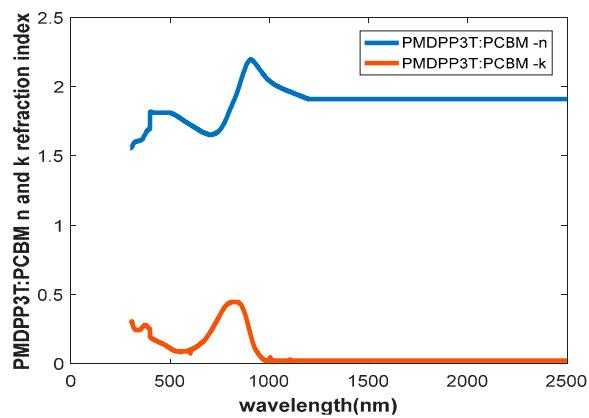


Fig S4: Refractive index (n,k) vs wavelngth for PMDPP3T:PCBM blend

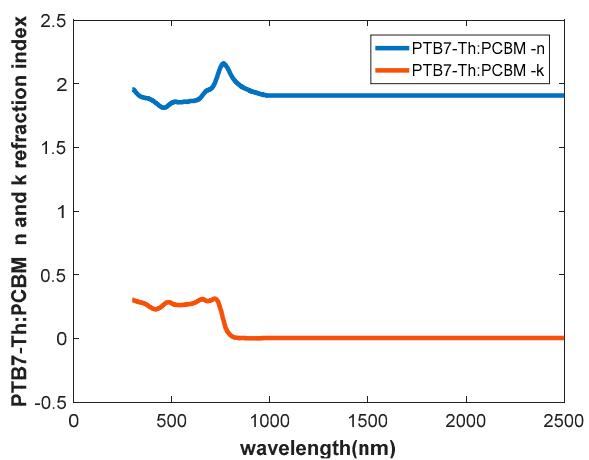


Fig S5: Refractive index (n,k) vs wavelength for PTB7: PCBM blend

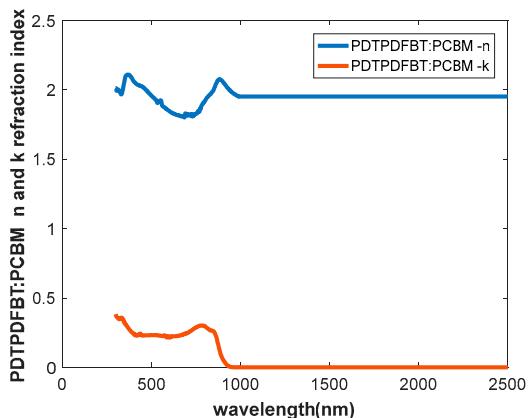


Fig S6: Refractive index (n,k) vs wavelngth for PDTPDFBT: PCBM blend

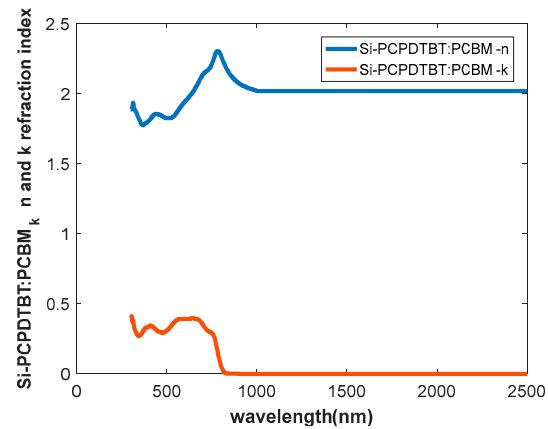


Fig S7: Refractive index (n,k) vs wavelength for Si-PCPDTBT: PCBM blend

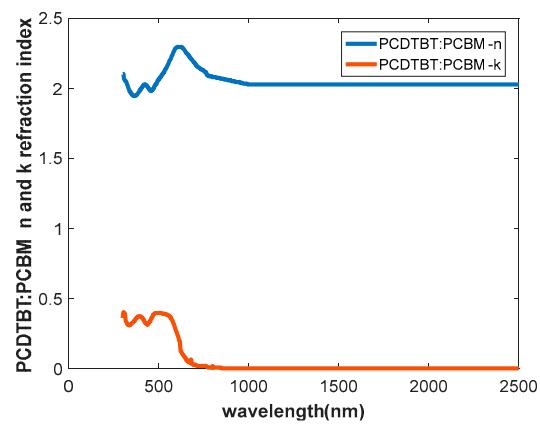


Fig S8: Refractive index (n,k) vs wavelength for PCDTBT: PCBM blend