Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Electronic supplementary information

Transition dipole moment orientation in films of solution processed fluorescent oligomers: investigating the influence of molecular anisotropy†

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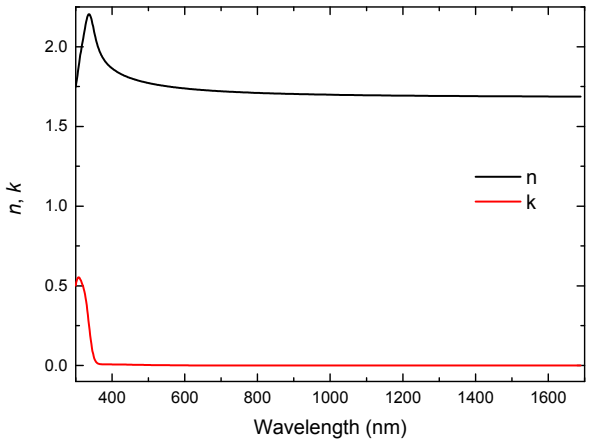

Fig. S1. Refractive index and extinction coefficient of TPBi

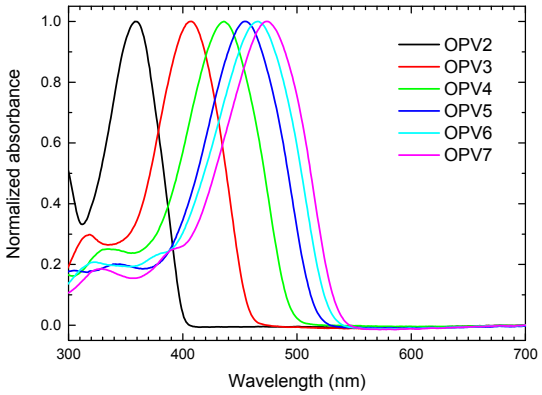

Fig. S2. Normalized absorption spectra of OPV*n* molecules in 2-methyltetrahydrofuran solution at room temperature.

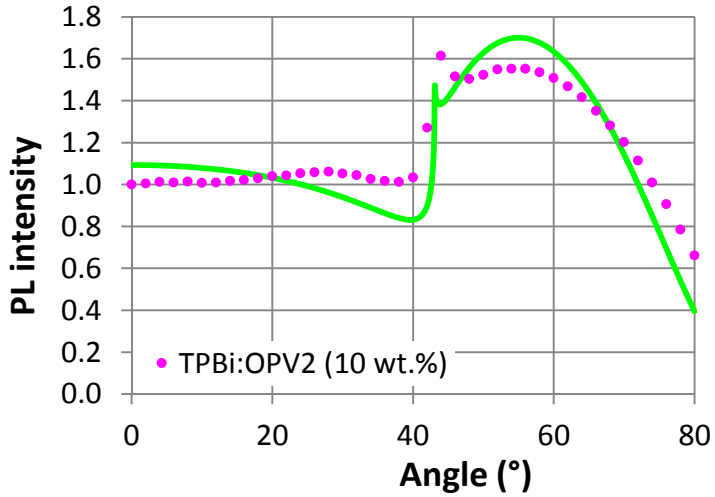

Fig. S3. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV2 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.43 and film thickness 40 nm.

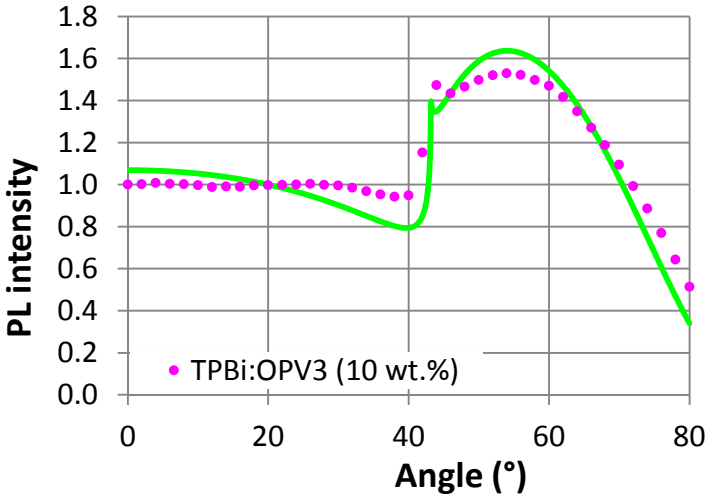

Fig. S4. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV3 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.43 and film thickness 40 nm.

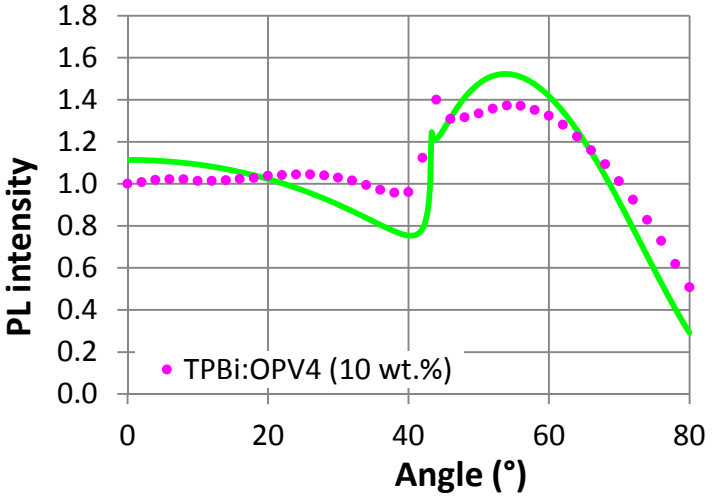

Fig. S5. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV4 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.40 and film thickness 40 nm.

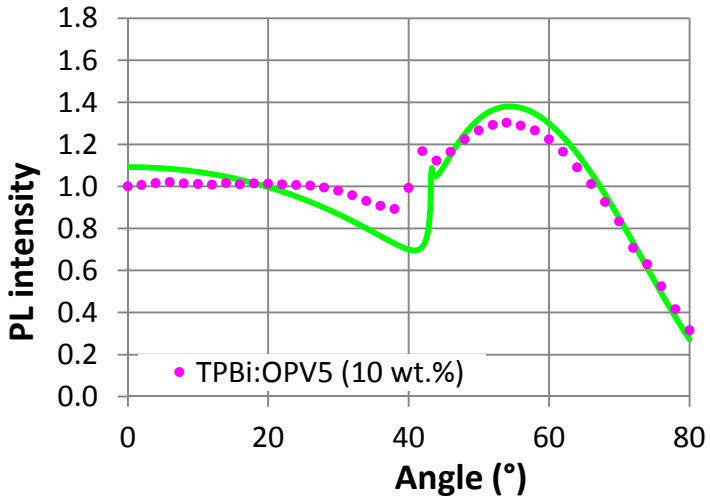

Fig. S6. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV5 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.37 and film thickness 40 nm.

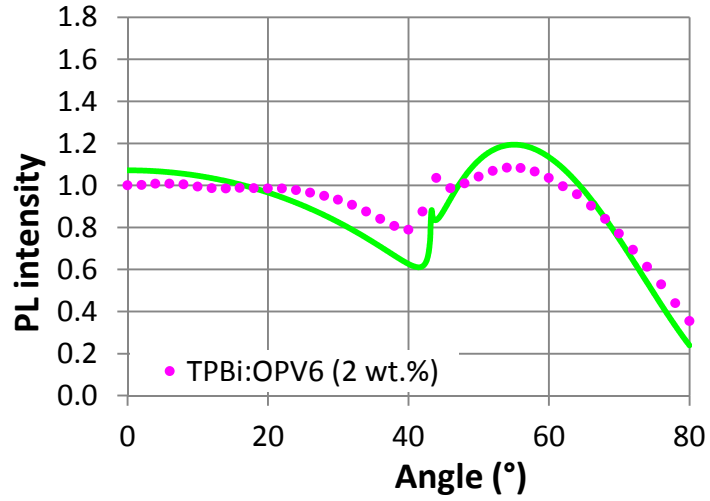

Fig. S7. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV6 (2 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.32 and film thickness 40 nm.

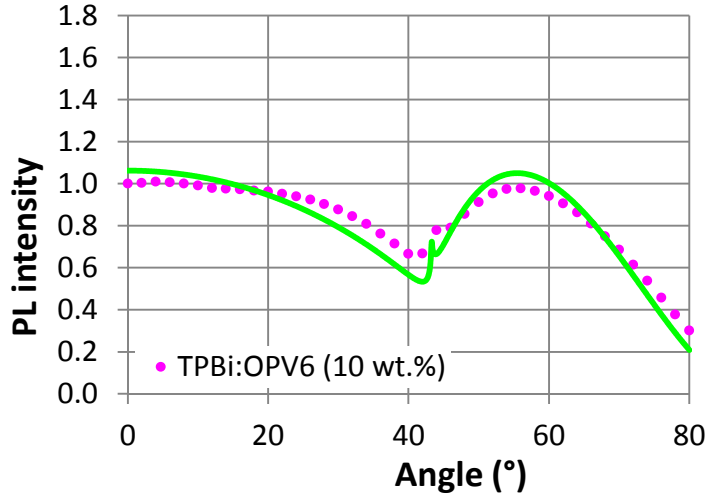

Fig. S8. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV6 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.27 and film thickness 40 nm.

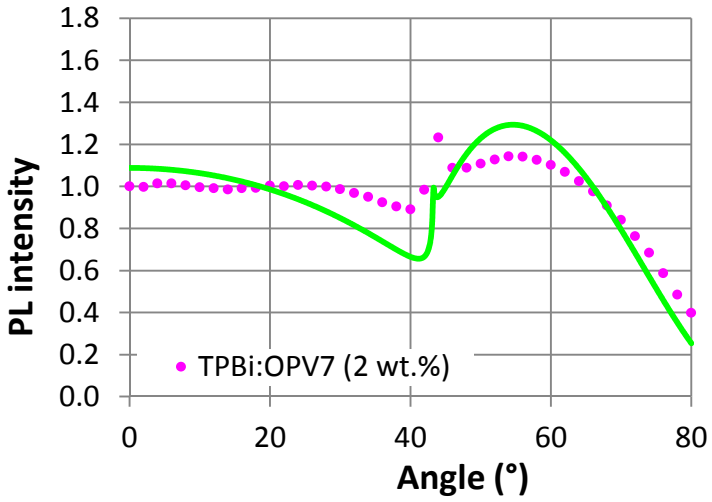

Fig. S9. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV7 (2 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.34 and film thickness 40 nm.

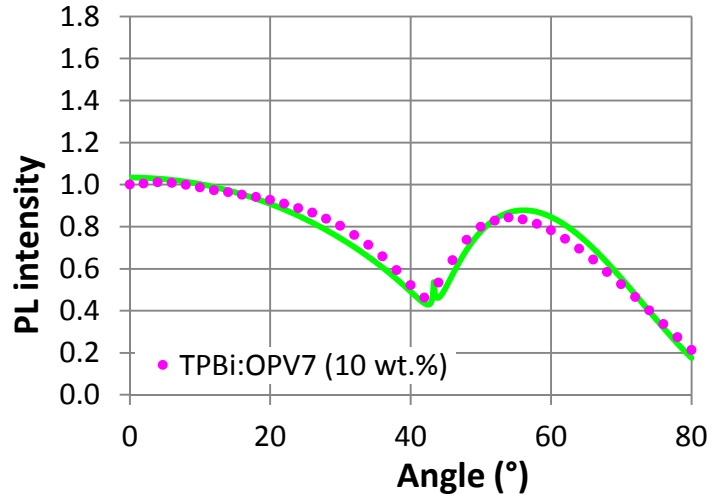

Fig. S10. Experimental angular dependence of the *p*-polarised fluorescence intensity for a solution processed TPBi/OPV7 (10 wt.%) layer (solid circles) compared to simulated profile with θ_v = 0.20 and film thickness 40 nm.