

## Relationship between measurement conditions and energy levels in the organic dyes used in dye-sensitized solar cells

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### Supplementary Materials

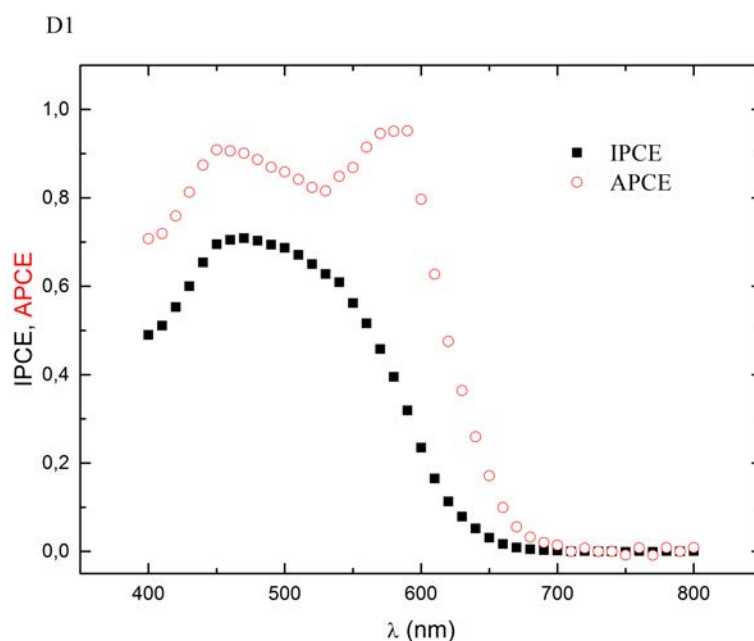


Figure S1: IPCE and APCE of dye D1

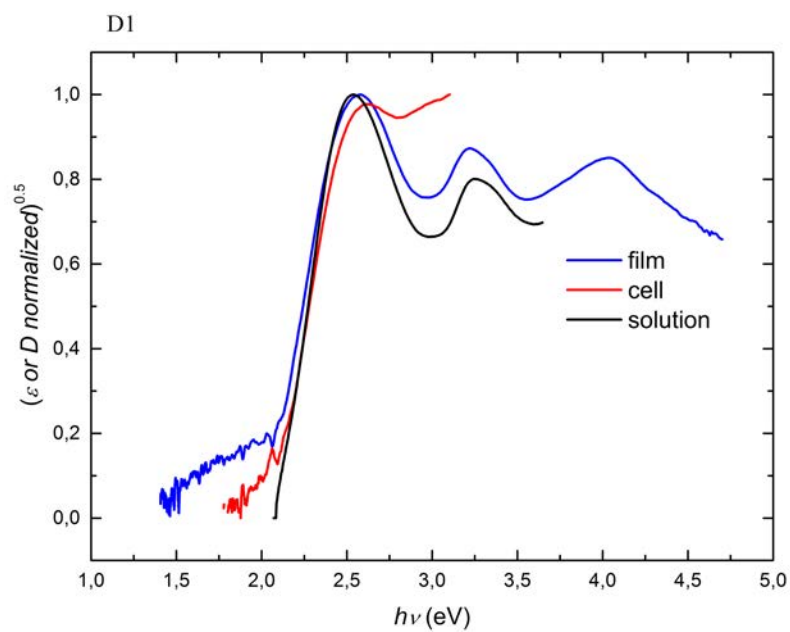


Figure S2: Absorbance spectra of dye D1

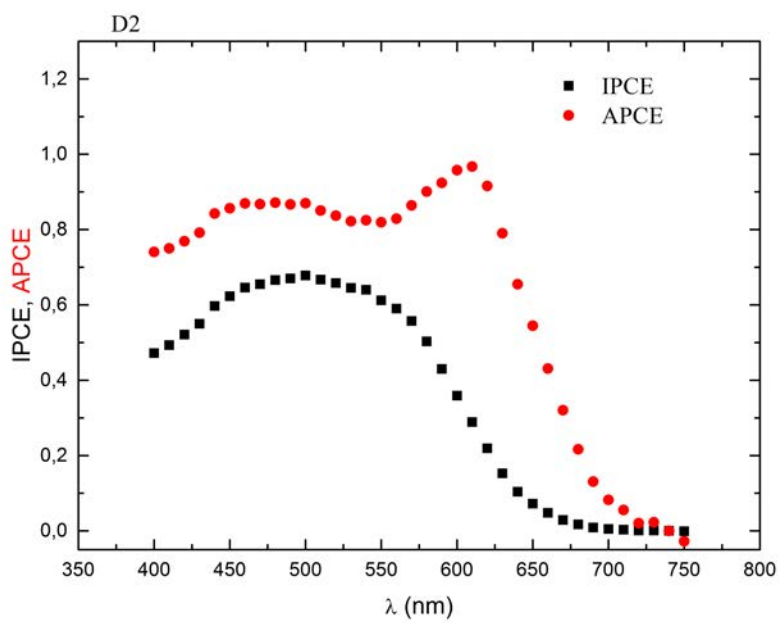


Figure S3: IPCE and APCE of dye D2

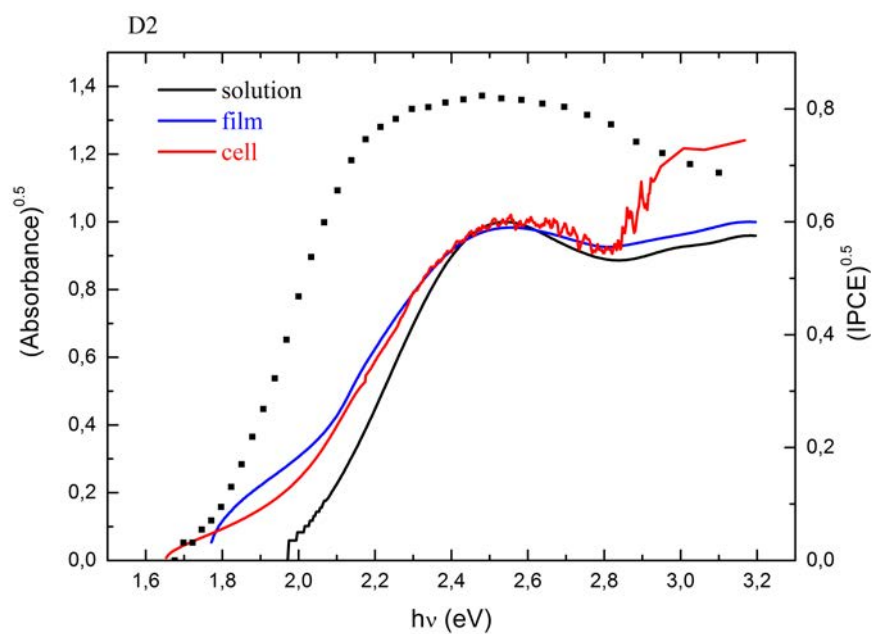


Figure S4: Absorbance and IPCE of dye D2

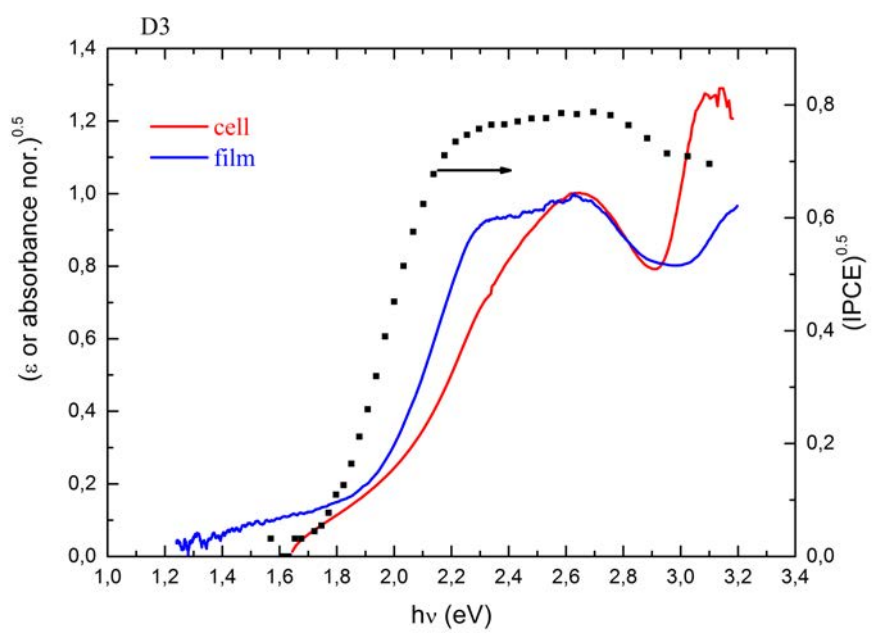


Figure S5: Absorbance and IPCE of dye D3

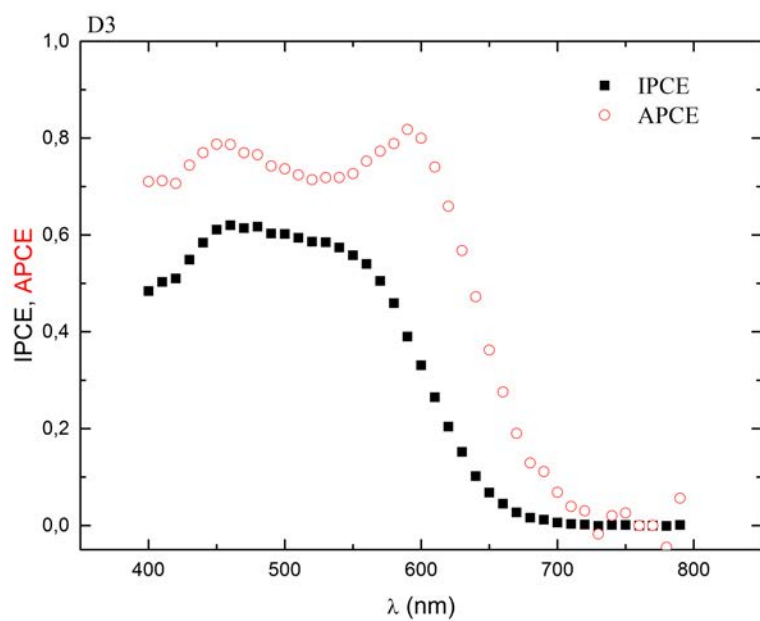


Figure S6: IPCE and APCE of dye D3

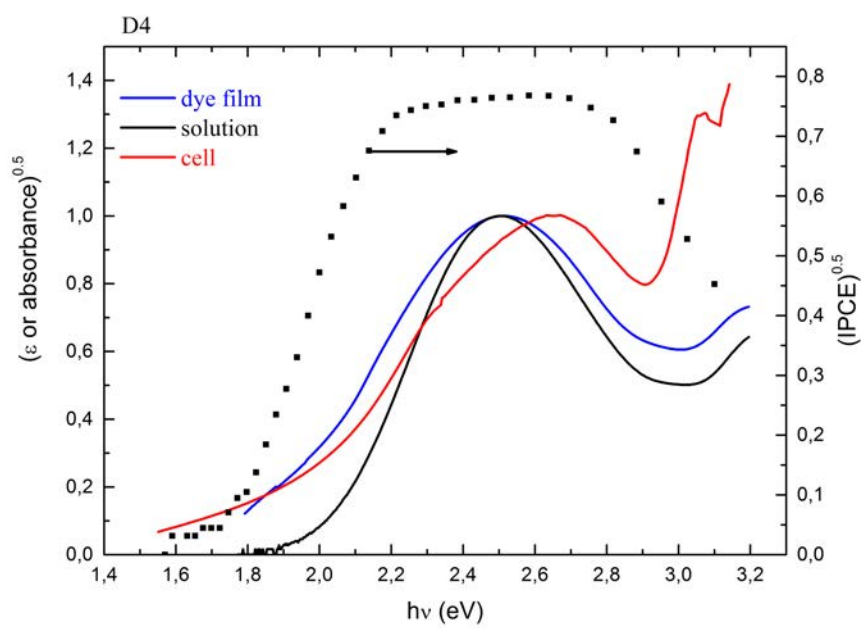


Figure S7: Absorbance and IPCE of dye D4

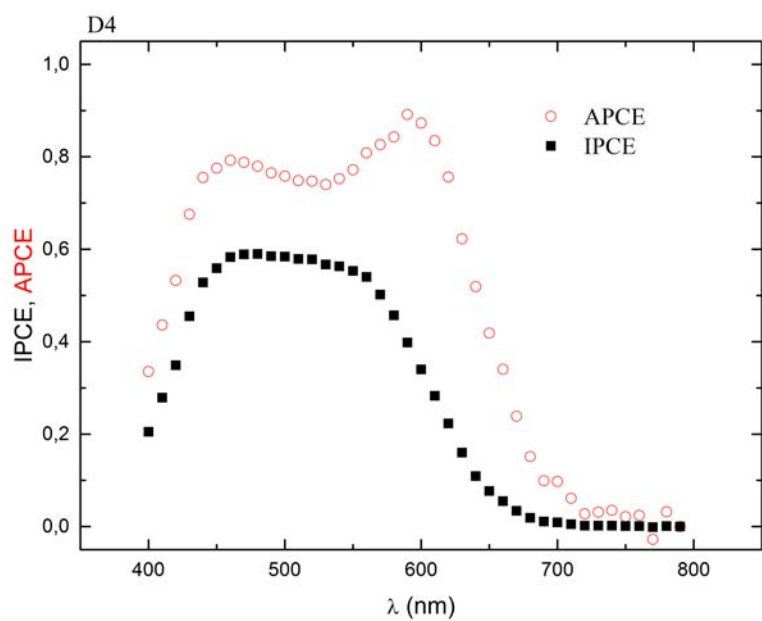


Figure S8: IPCE and IPCE of dye D4

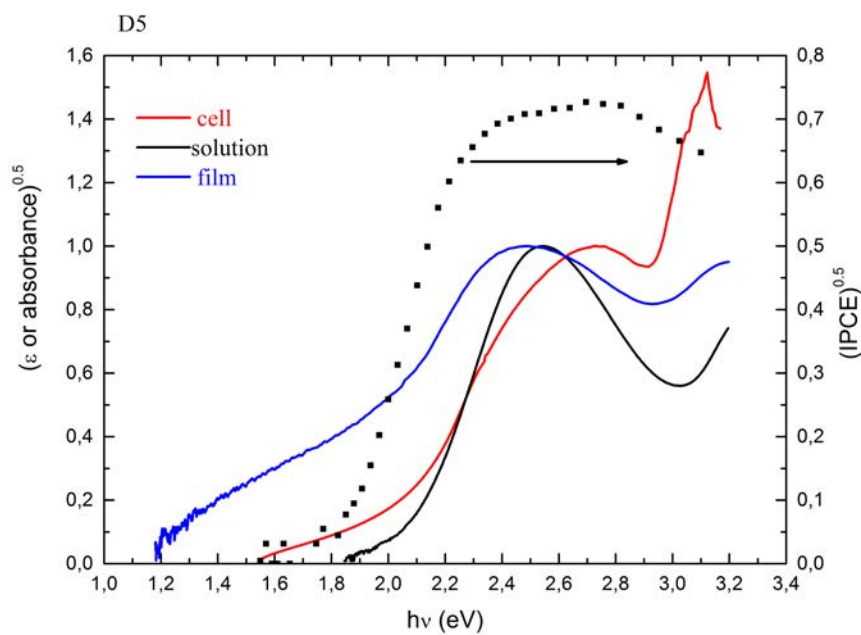


Figure S9: Absorbance and IPCE of dye D5

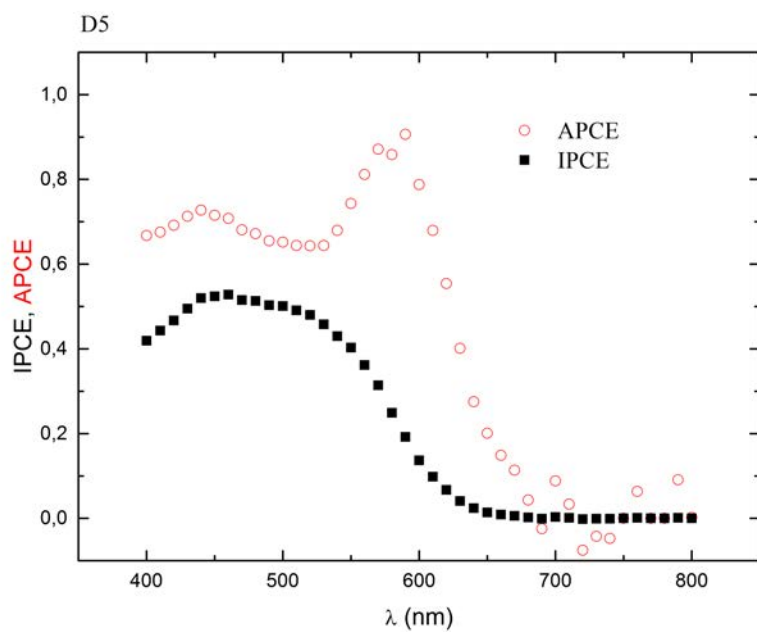


Figure S10: IPCE and APCE of dye D5

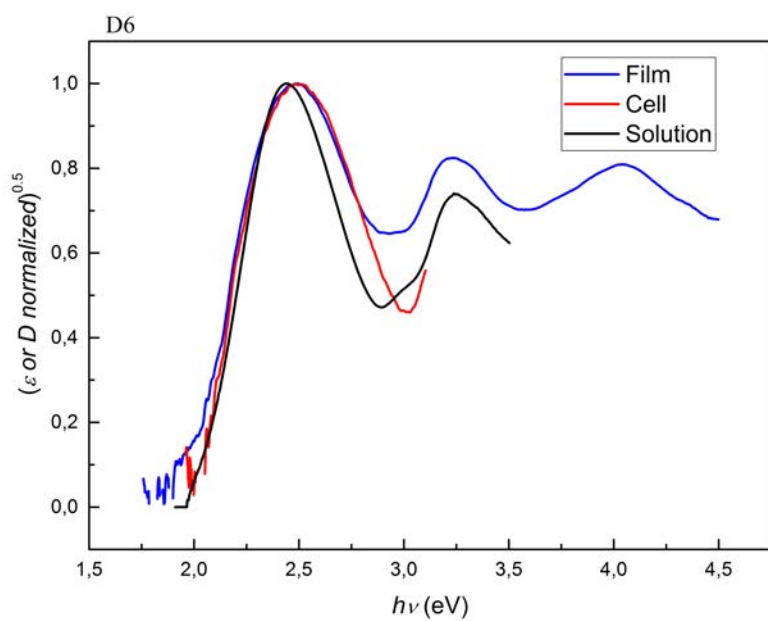


Figure S11: Absorbance spectra of dye D6

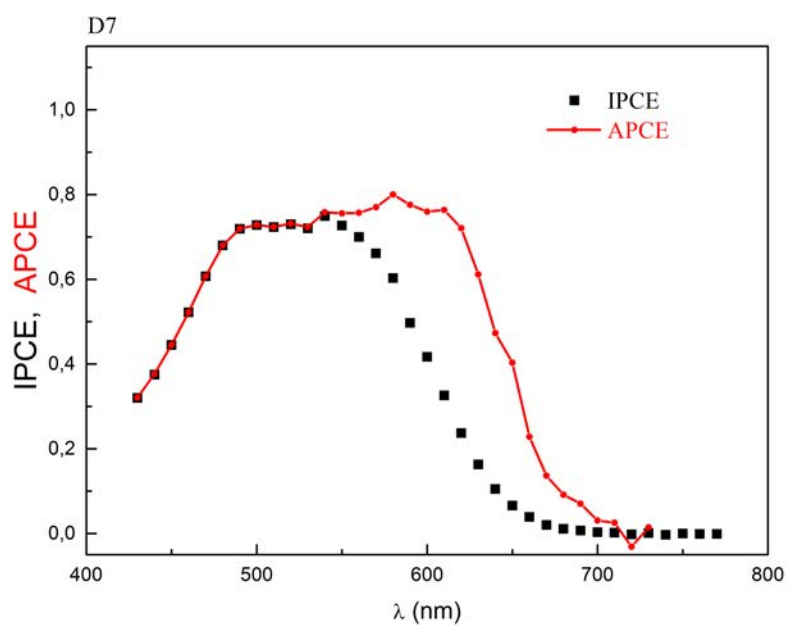


Figure S12: IPCE and APCE of dye D7

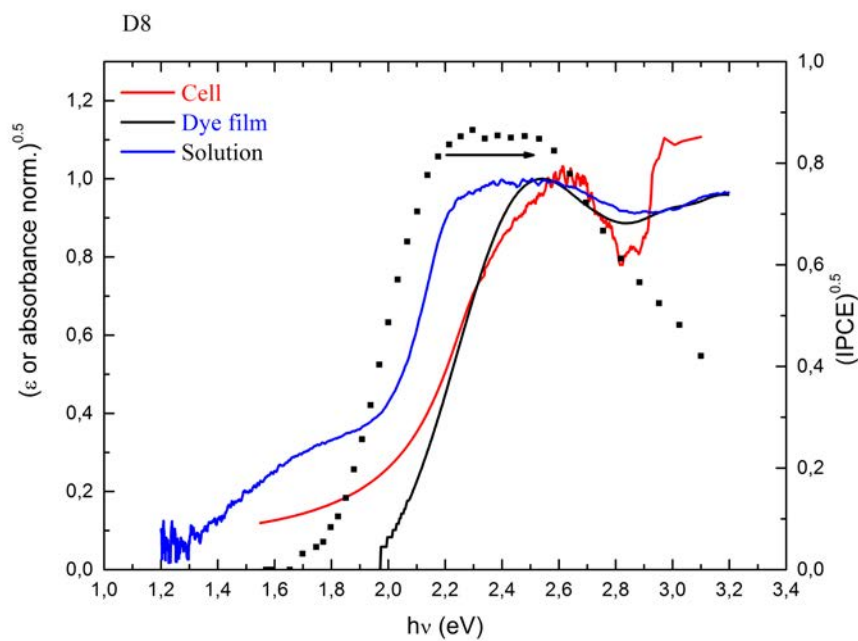


Figure S13: Absorbance and IPCE of dye D8

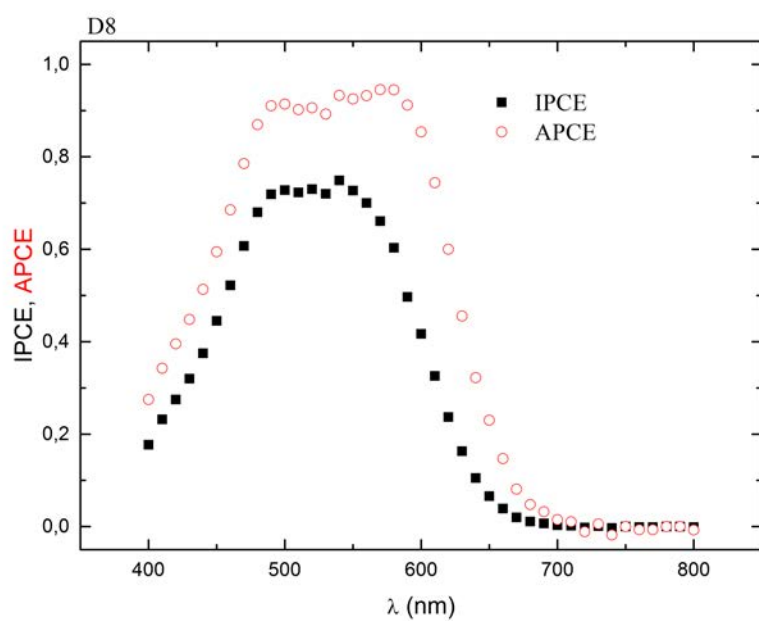


Figure S14: IPCE and IPCE of dye D8

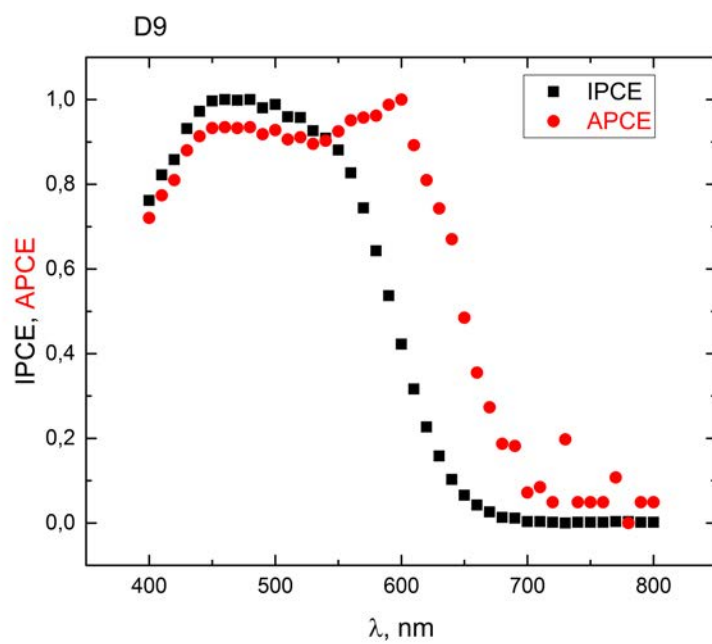


Figure S15: IPCE and IPCE of dye D9



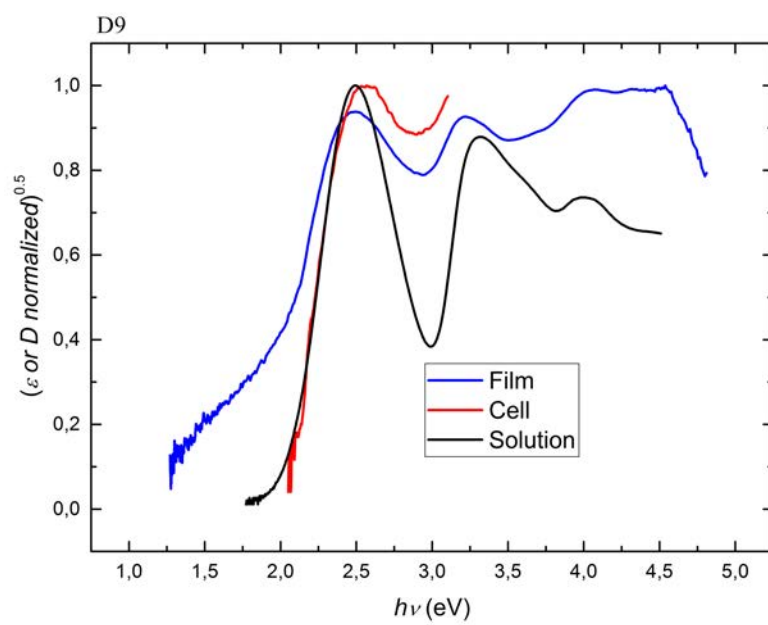


Figure S16: Absorbance spectra of dye D9