

Direct C-H arylation for various Ar-cored diketopyrrolopyrrole containing small molecules in solution-processed field-effect transistor†

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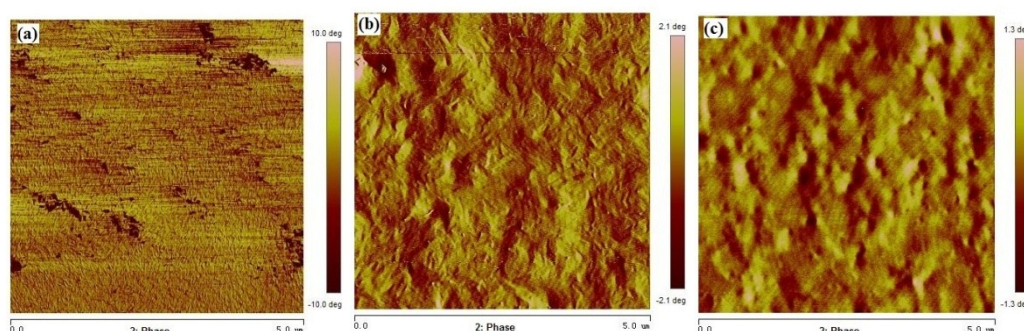


Fig. S1 Phase images of (a) Ph(DPPT₂)₂, (b) NA (DPPT₂)₂ and (c) Py(DPPT₂)₂

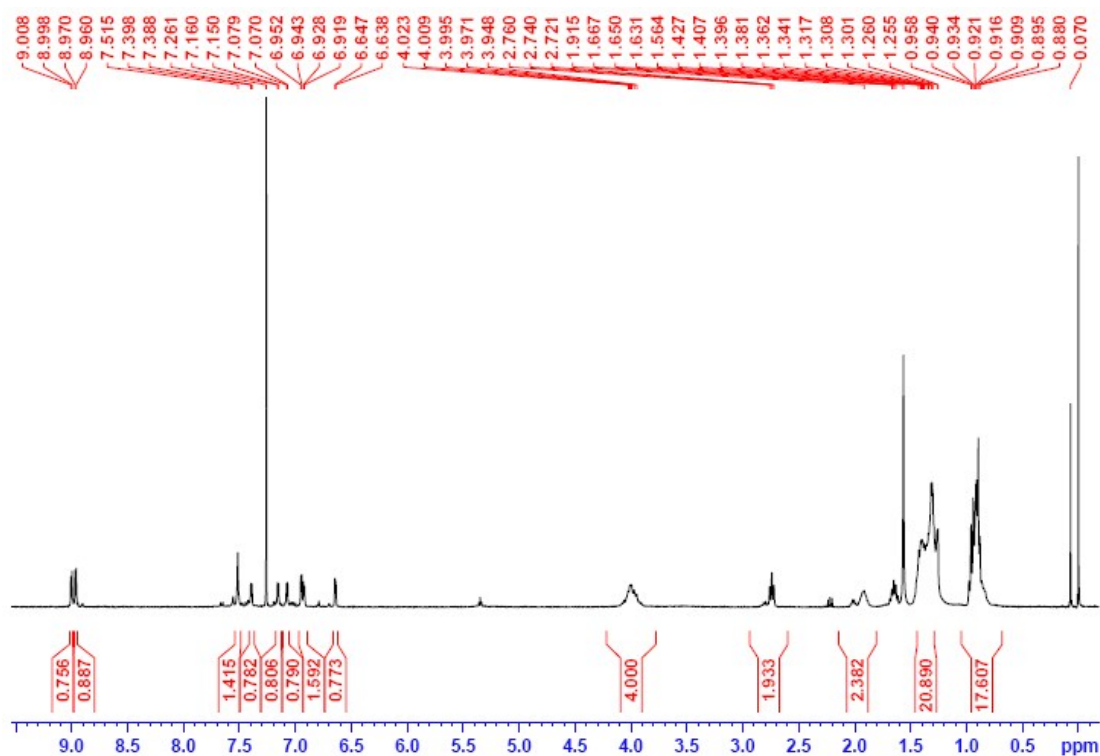


Fig.S2 ¹H NMR spectra of Ph(DPPT₂)₂

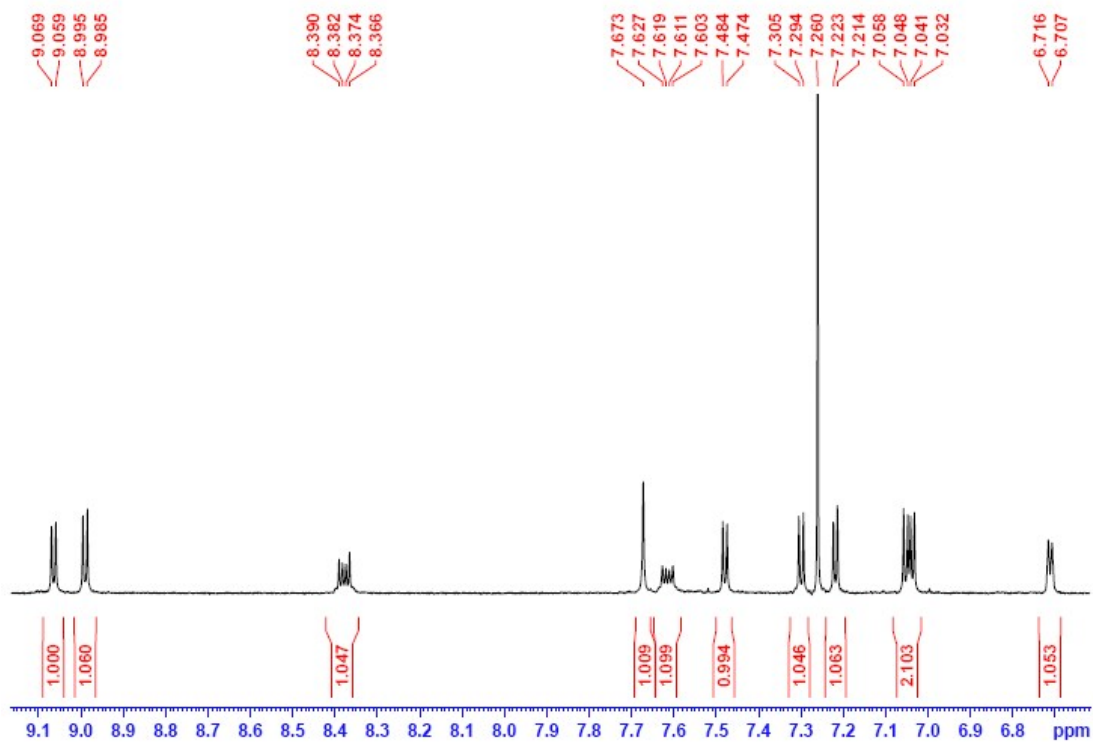


Fig.S3 ¹H NMR spectra of NA(DPPT2)₂

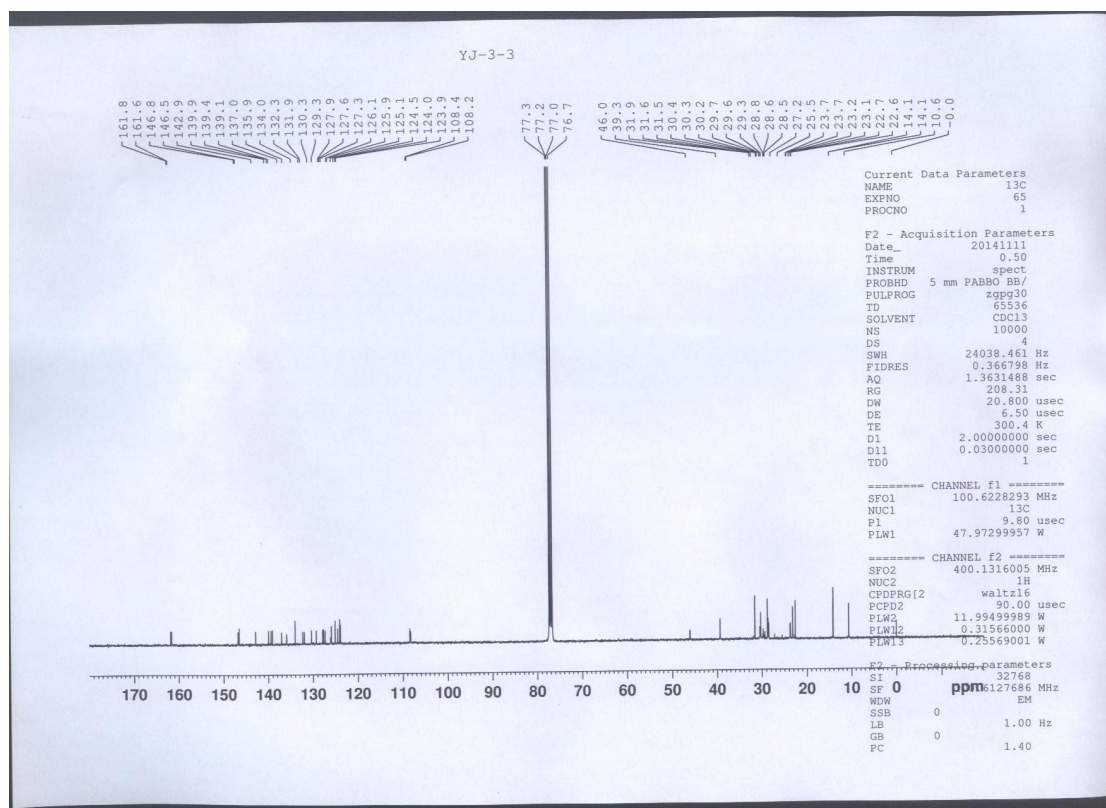


Fig.S4 ¹³C NMR spectra of NA(DPPT2)₂

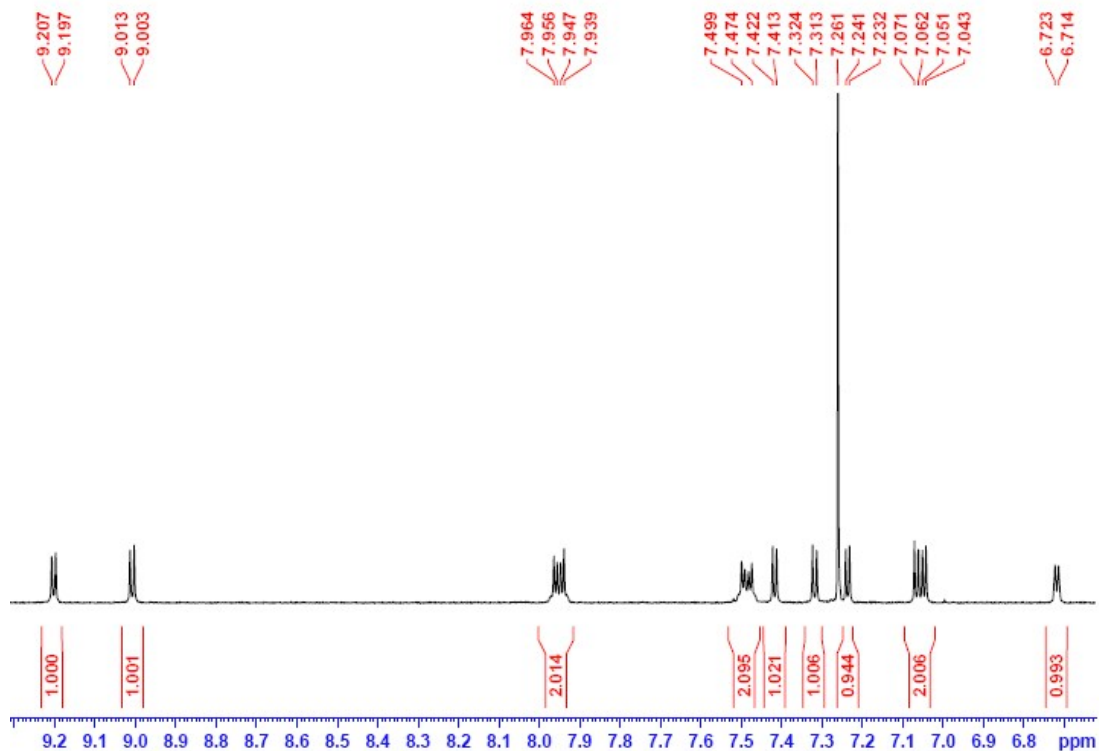


Fig.S5 ¹H NMR spectra of AN(DPPT2)₂

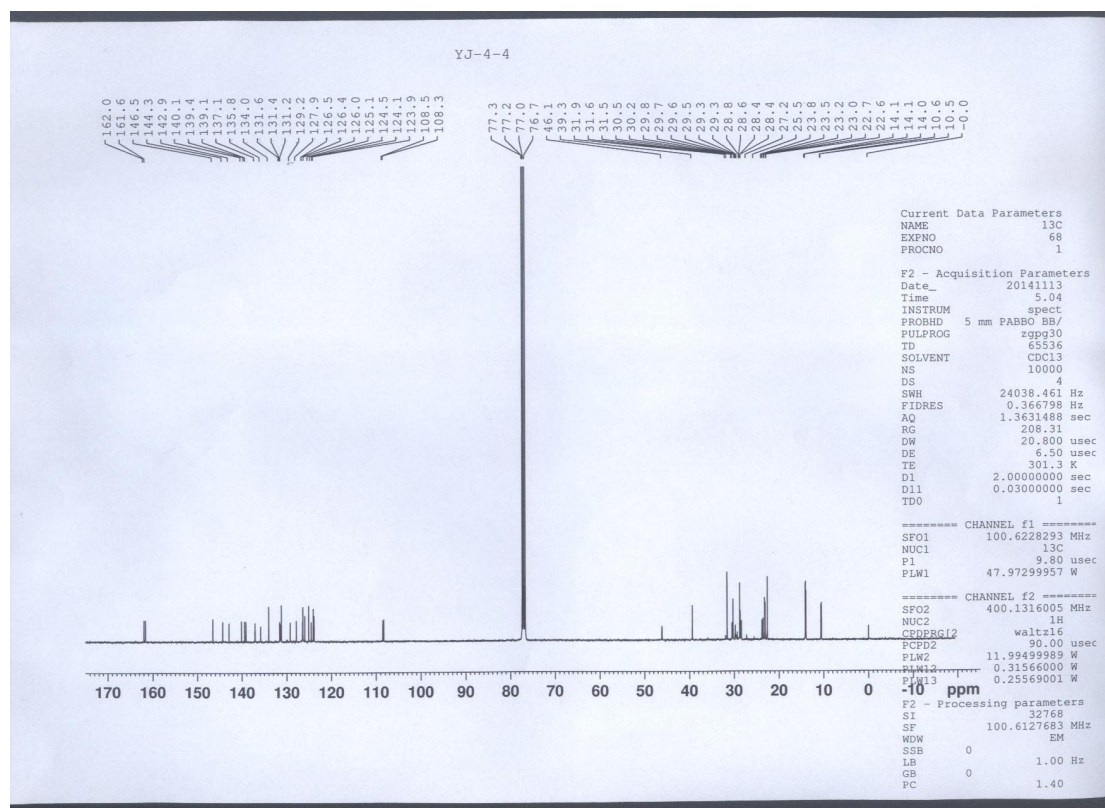


Fig.S6 ¹³C NMR spectra of AN(DPPT2)₂

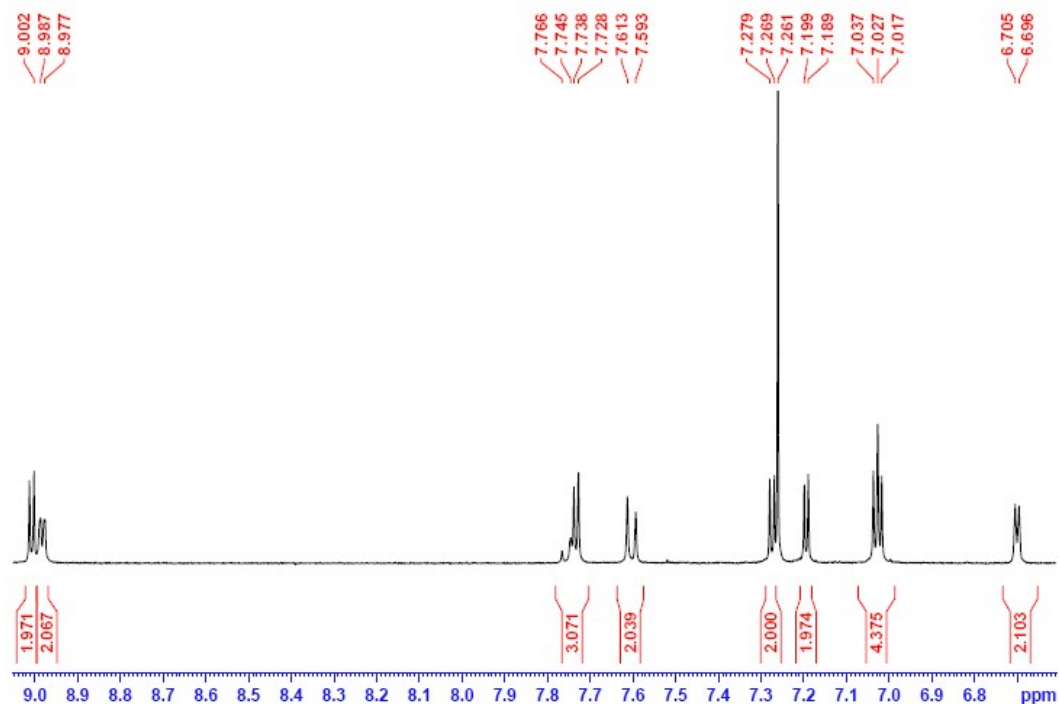


Fig.S7 ¹H NMR spectra of Py(DPPT2)₂

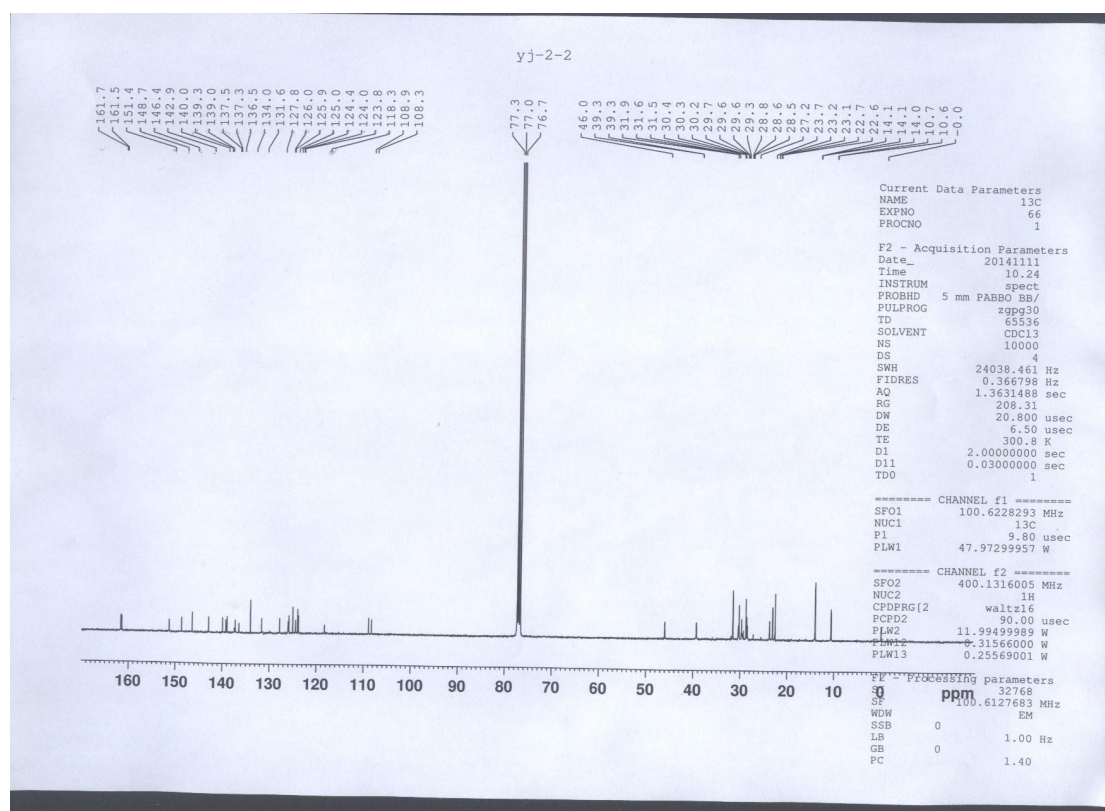


Fig.S8 ¹³C NMR spectra of Py(DPPT2)₂

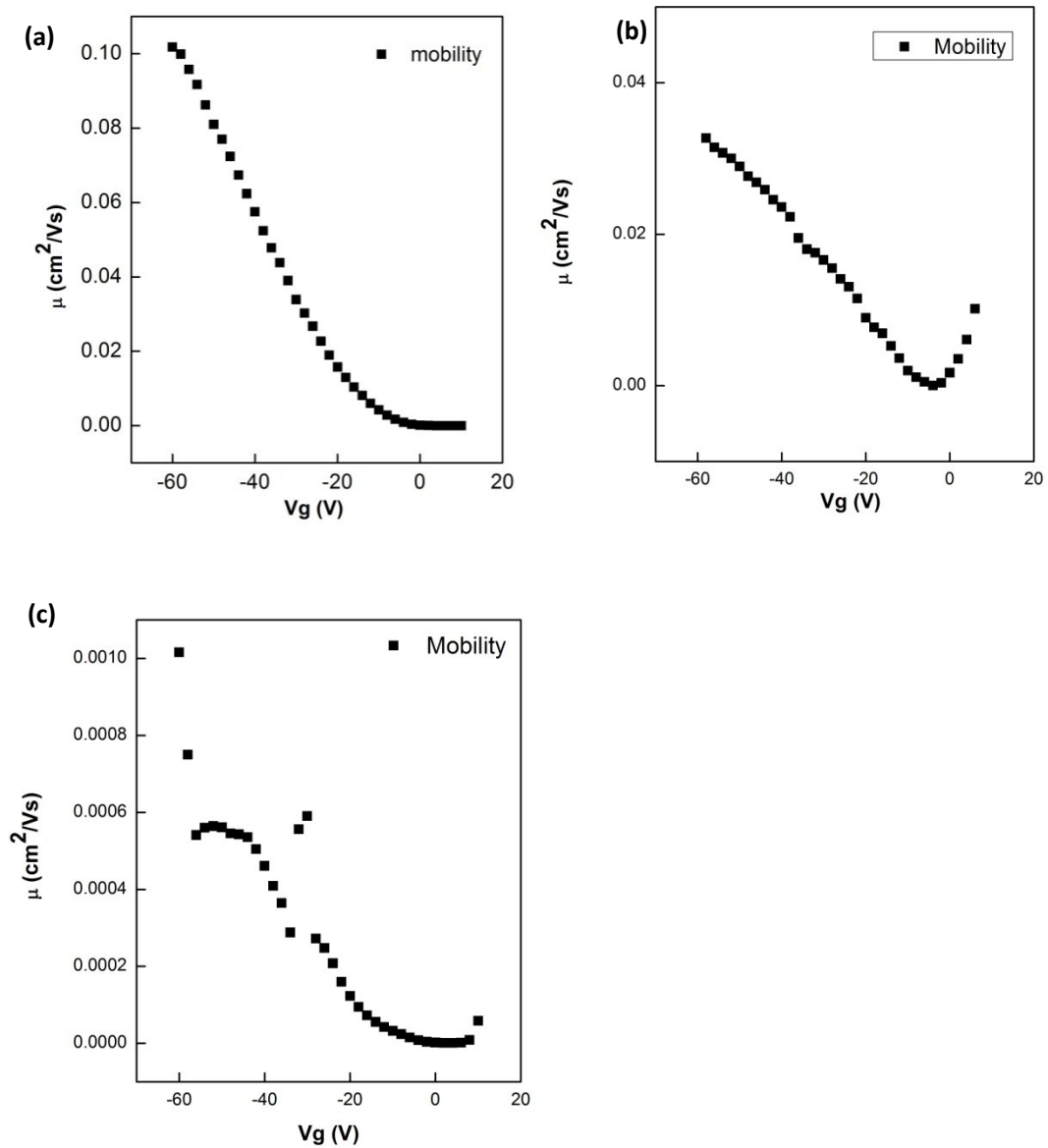


Fig.S9 the gate dependent mobility of materials (a) Ph(DPPT₂)₂ (b) NA(DPPT₂)₂ and (c) Py(DPPT₂)₂ with Cytop as dielectric.