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

Supporting Information

Characterization and Field-Effect Transistor Performance of Printed Pentacene Films Prepared by Photoconversion of the Soluble Precursor

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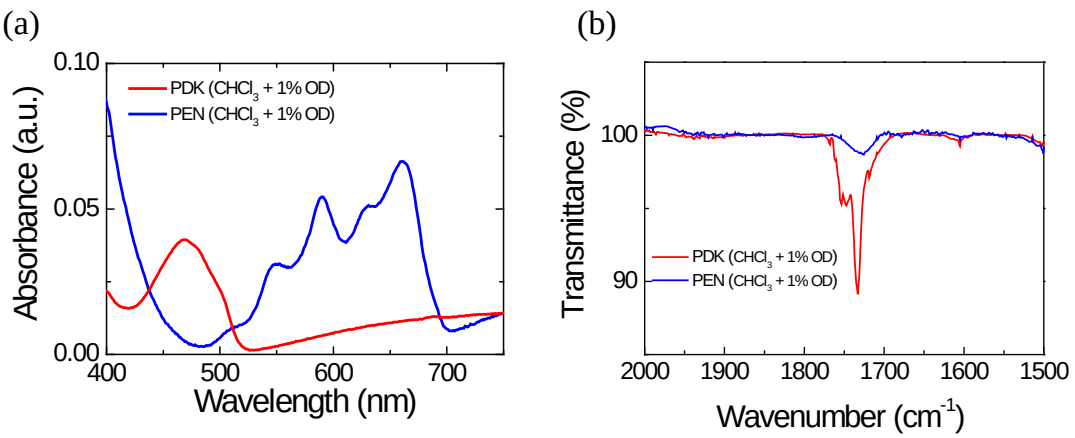

Figure S1. (a) UV/vis spectra and (b) FT-IR/ATR spectra, for the PDK films spin-coated from chloroform solution with 1% 1,8-octanedithiol before and after photoirradiation.

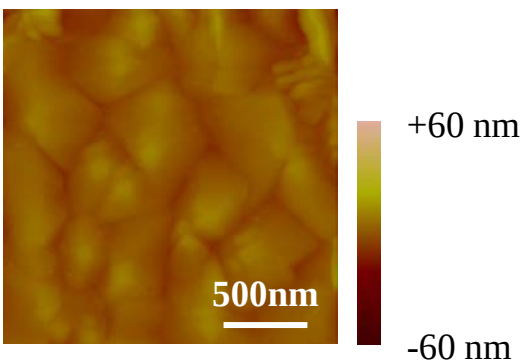

Figure S2. AFM image of a vacuum-deposited pentacene film on a HMDS-treated Si/SiO_2 substrate. The surface roughness RMS value was 6.7 nm.

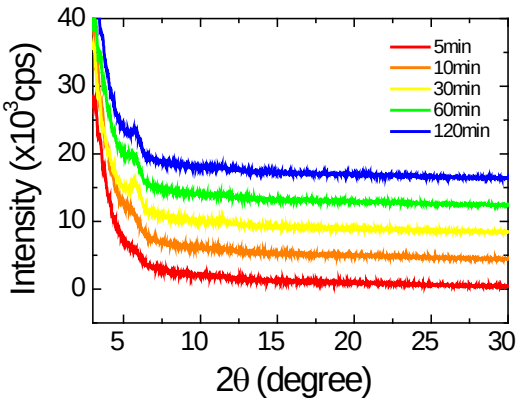

Figure S3. XRD patterns of photoconverted pentacene films with various photoirradiation times. **PDK** films were prepared from chloroform with 1% TCB on GR650-treated Si/SiO_2 substrates.