

Supporting Information

Photochemical Stability of Pentacene and a Substituted Pentacene in Solution and in Thin Films.

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Figure S-1. X-Ray Diffractogram for a film of 6,13 bis(triisopropylsilylethynyl)pentacene on quartz. Lines at $d = 16.86 \text{ \AA}$ and 5.62 \AA indicate crystallinity in the thin film. The broad feature with a maximum at ~ 22 degrees is typical for quartz. The layer spacing of 16.86 \AA is in close agreement with the value of 16.83 \AA reported by Anthony et. al. (J. Am. Chem. Soc. 2001, 9482-9483).

