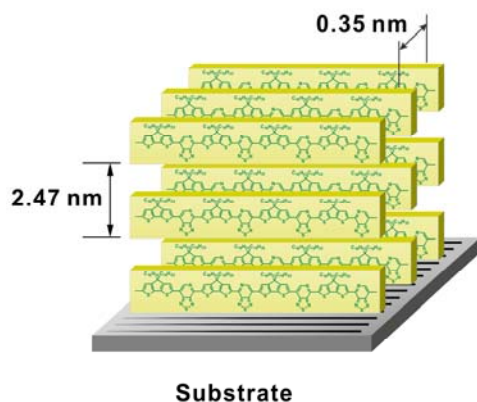


# PCDTPT (New OTFT Polymer)



**1-Material Inc**

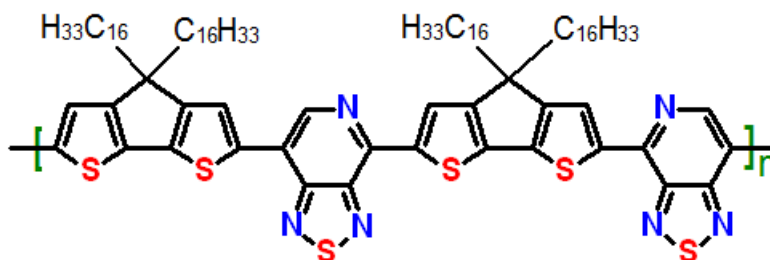
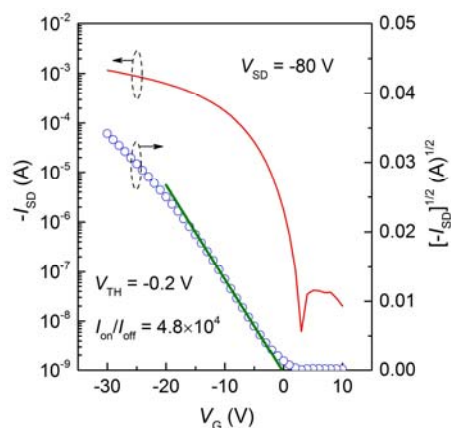
2290 Chemin St-Francois  
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H9P 1K2, Canada



Chan Luo, et al and Alan Heeger:

dx.doi.org/10.1021/nl500758w | *Nano Lett.* XXXX, XXX

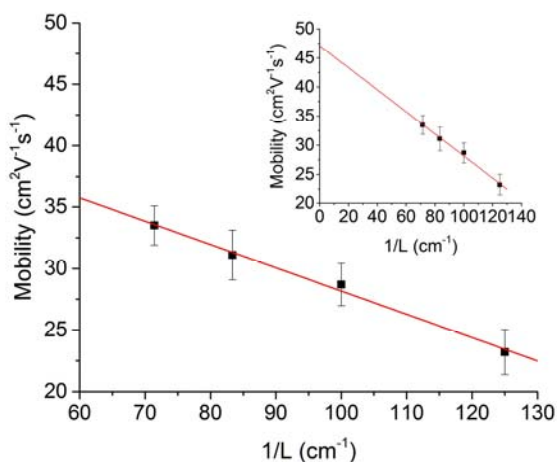
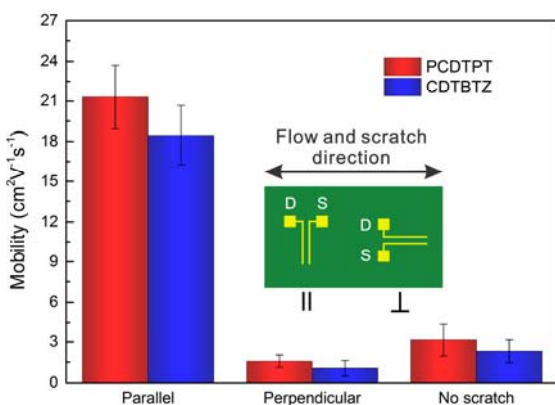
Using capillary action, they measured  $\mu_h = 21.3 \text{ cm}^2\text{V}^{-1}\text{s}^{-1}$  and  $\mu_e = 36.3 \text{ cm}^2\text{V}^{-1}\text{s}^{-1}$  at a channel length of 80 $\mu\text{m}$  and 140 $\mu\text{m}$ , respectively. Extrapolating to infinite channel length, the intrinsic mobility is  $\mu_h \approx 47 \text{ cm}^2\text{V}^{-1}\text{s}^{-1}$ .



**PCDTPT / CAS# 1334407-47-4** ( $\text{C}_{92} \text{H}_{138} \text{N}_6 \text{S}_6$ )<sub>n</sub>

Poly[[1,2,5]thiadiazolo[3,4-c]pyridine-4,7-diyl(4,4-dihexadecyl-4H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6-diyl)[1,2,5]thiadiazolo[3,4-c]pyridine-7,4-diyl(4,4-dihexadecyl-4H-cyclopenta[2,1-b:3,4-b']dithiophene-2,6-diyl)]

**OS0474**



**Organic Nano Electronic(ONE=1)materials for these who understand quality**