

ELECTRONIC SUPPLEMENTARY INFORMATION FOR

Monodispersed vs polydispersed systems for bulk heterojunction solar cells: the case of dithienopyrrole/anthracene based materials

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BHJ solar cell device tests at different blend composition

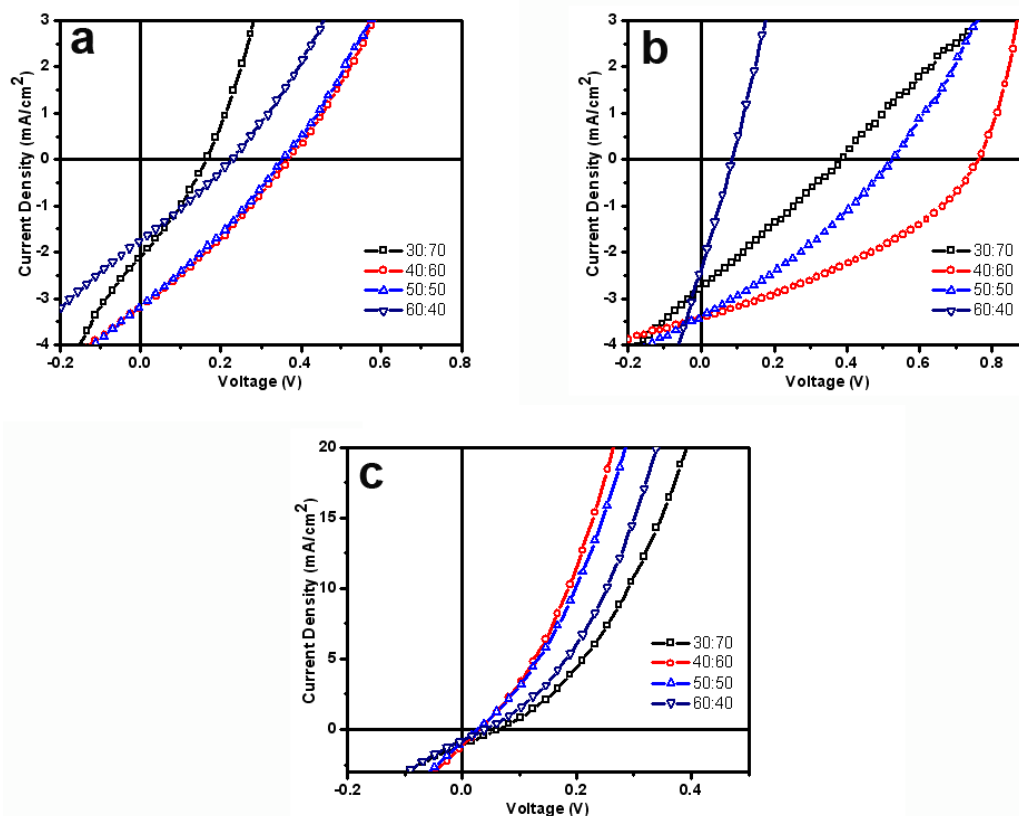


Figure S1. Current Density–Voltage characteristics under illumination (AM 1.5G) of devices using ADA, b) DAD and c) polyAD as donor with various donor/PC₆₁BM weight ratio (30:70, 40:60, 50:50 and 60:40).

Donor	Weight ratio Donor:PCBM	PCE (%)	FF (%)	V_{OC} (V)	J_{SC} (mA/cm²)
ADA	30:70	0.11	31	0.17	2.09
	40:60	0.34	31	0.36	3.07
	50:50	0.32	29	0.35	3.05
	60:40	0.11	29	0.23	1.70
DAD	30:70	0.29	27	0.39	2.69
	40:60	0.95	36	0.78	3.37
	50:50	0.55	31	0.53	3.33
	60:40	0.05	25	0.08	2.37
polyAD	30:70	0.02	25	0.06	1.00
	40:60	0.03	25	0.03	1.12
	50:50	0.01	25	0.03	0.92
	60:40	0.01	25	0.04	0.79

Table S1. Performance parameters of BHJ solar cells embodying **ADA**, **DAD** and **polyAD** as donors with various donor/PC₆₁BM weight ratio.