

Supporting Information

Intermolecular electron transfer promoted by directional donor acceptor attractions in self-assembled diketopyrrolopyrrole-thiophene film

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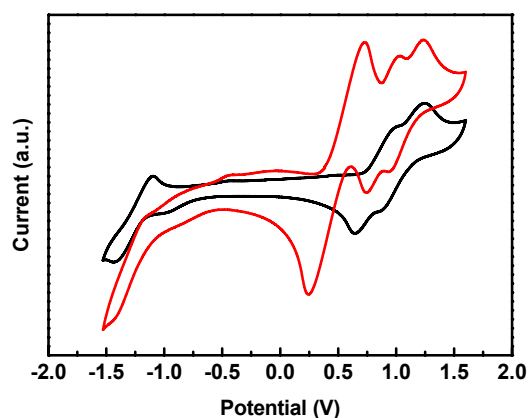


Fig. S1 Cyclic voltammetry of DPP-BT in CH_2Cl_2 (black), DPP-BT and ferrocene (red), platinum wire as the counter electrode, with Pt-C working electrode, Ag/AgCl, as the reference electrode ($-0.49 \text{ V vs Fc/Fc}^+$), $n\text{-Bu}_4\text{NPF}_6$ (0.1 M) as the supporting electrolyte and scan rate 100 mV/s.

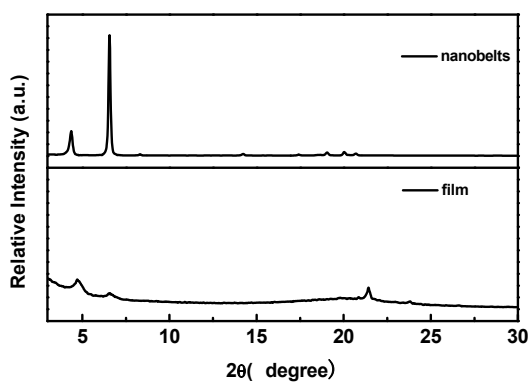


Fig. S2 X-ray diffraction pattern of DPP-BT nanobelts and film.

Table S1 Time decay of the transient absorption at 710 nm, 770 nm and 830 nm for DPP-BT

Compounds	710 nm	770 nm	830 nm
	τ_f (ps)	τ_f (ps)	τ_f (ps)
In CH ₂ Cl ₂	1.38±0.1	323±43	270.2±227
	124±17	1787±72	1606.2±452
	1904±128		
In film	1.8±0.5	1.6±0.2	0.58±0.07
	41±6	26.8±11	7.7±1.4
	2042±619	162±646	76.5±10