Supporting Information for:

Efficient Synthesis of Benzobisazole Terpolymers Containing Thiophene and Fluorene.†

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**Figure S1.** TGA curves of poly(arylenebenzobisazoles). TGA’s were obtained under N$_2$ at a heating rate of 15°C/min.
Figure S2. DSC curves.

\[ T_m = 230.1 \]

\[ T_g = 110.3 \]

\[ T_g = 108.4 \]

\[ T_m = 257.6 \]
Fig S3. XRD.

XRD of P1

Intensity vs. 2θ
XRD of P2
XRD of P3

Intensity

0 2 4 6 8 10 12 14

2θ
**Figure S4.** Cyclic voltammetry was performed on thin films of polymers that were drop-casted onto the ends of 1mm platinum button electrodes using a platinum wire as counter-electrode and a Ag/Ag+ reference electrode. Ferrocene was used as an internal standard. Measurements were recorded at a scan rate of 100 mV/s.
**Figure S5.** Differential pulse voltammetry was performed on thin films of polymers that were drop-casted onto the ends of 1mm platinum button electrodes using a platinum wire as counter-electrode and a Ag/Ag+ reference electrode. Ferrocene was used as an internal standard. Measurements were recorded at a scan rate of 100 mV/s with a pulse height of 100 mV, step width of 50 ms, and pulse time of 25 ms.