## **Electronic Supplementary Information**

## Tunable Charge Transfer Effect in Poly(spirobifluorene)s with Different Electron-Rich Side Chains

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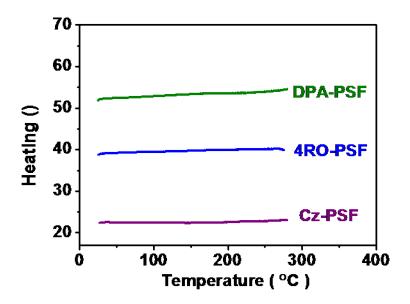


Figure S1. DSC curves of the polymers.

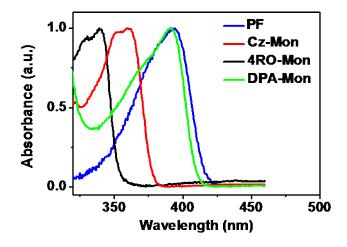
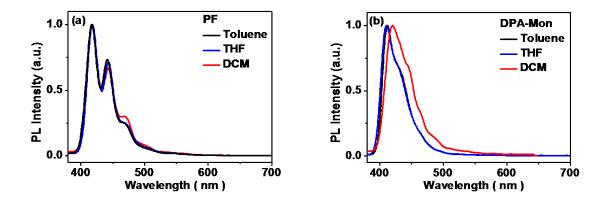


Figure S2. Absorption spectra of the monomers and PF in toluene solution.



**Figure S3.** The PL spectra of the polymer **PF** and the monomer **DPA-Mon** in solution with different solvent polarity.

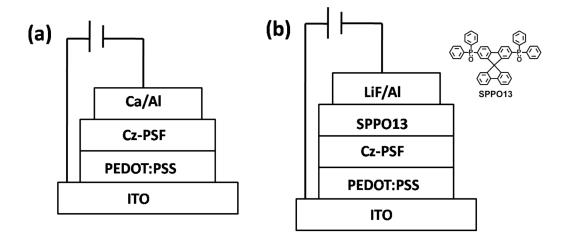


Figure S4. Device configurations of the device A (a) and the device B (b).

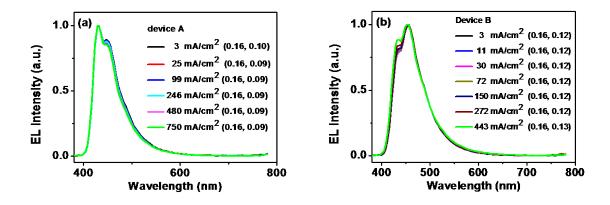


Figure S5. EL spectra of devices A and B under different applied current densities.

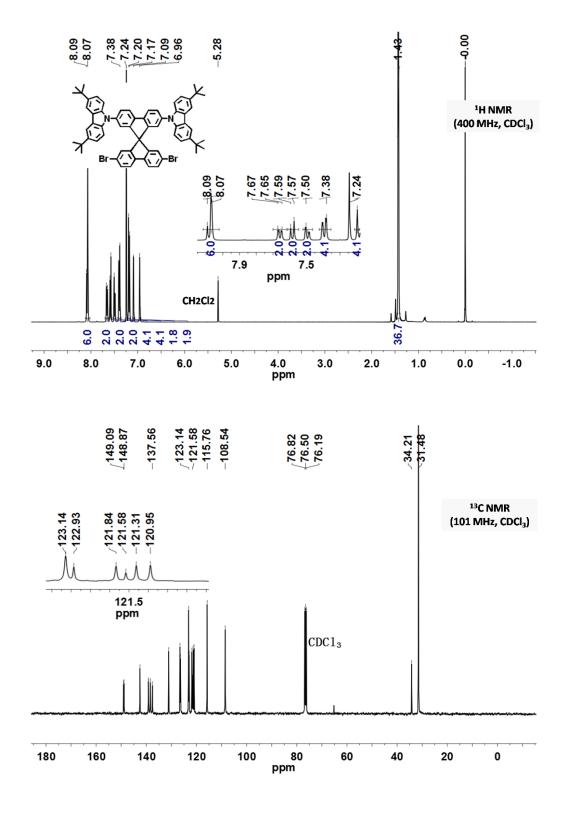


Figure S6. <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of the monomer Cz-Mon.

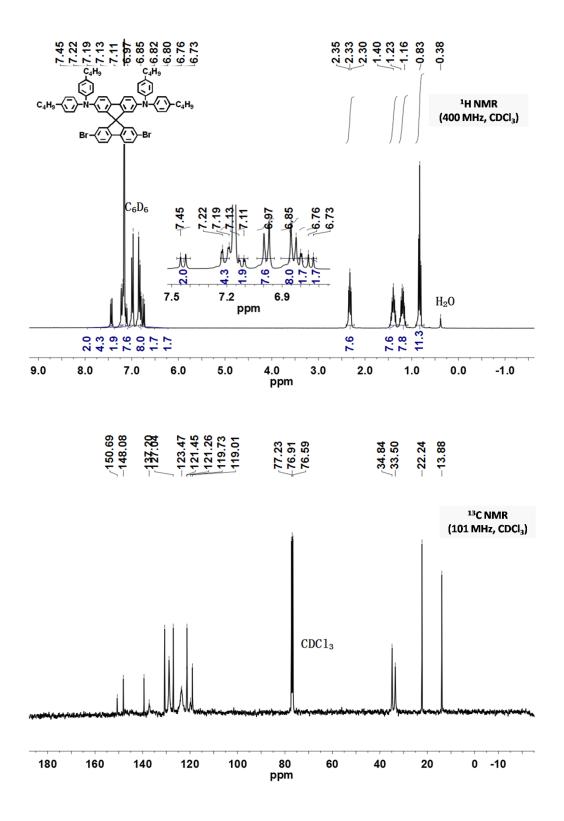


Figure S7. <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of the monomer **DPA-Mon**.

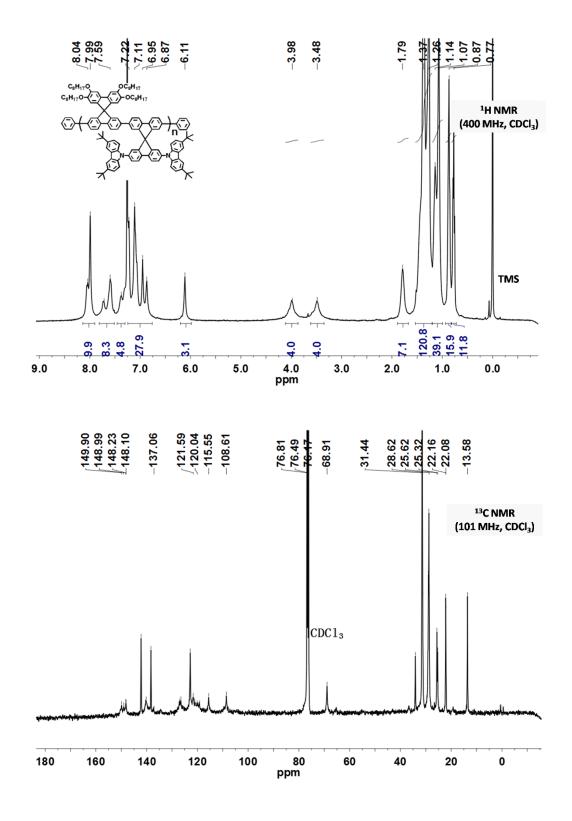


Figure S8. <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of the Cz-PSF.

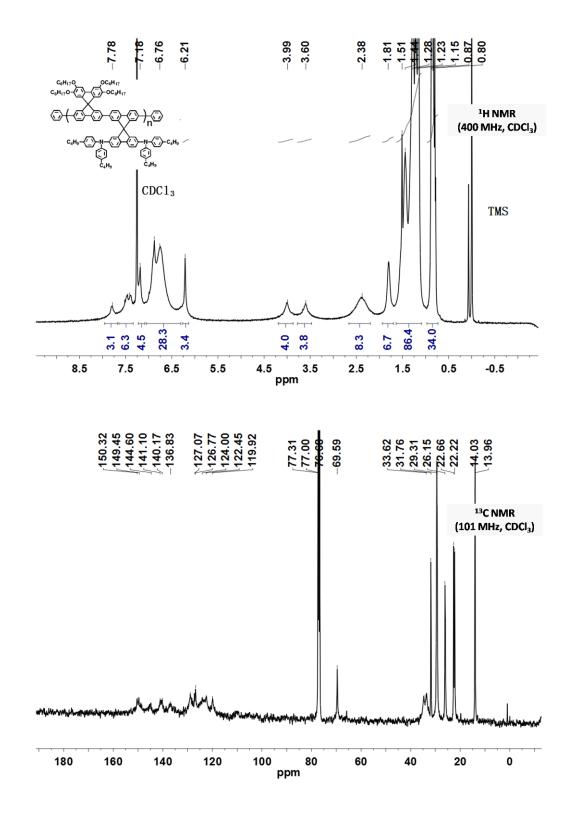


Figure S9. <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of **DPA-PSF**.

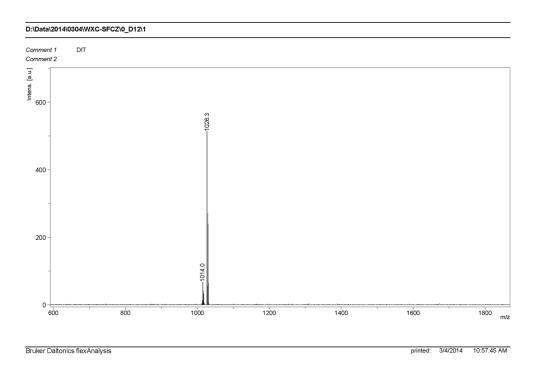


Figure S10. MALDI-TOF mass spectrum of Cz-Mon.

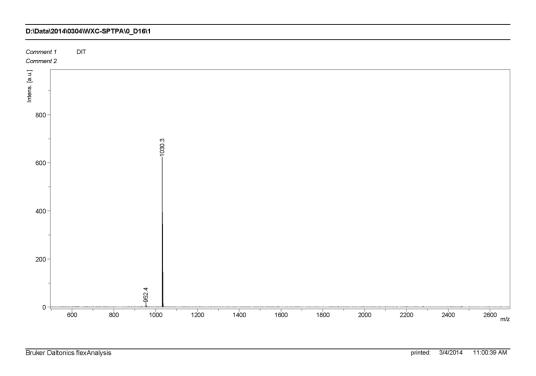


Figure S11. MALDI-TOF mass spectrum of **DPA-Mon**.