

Supporting Information

Blue light-emitting polymers containing fluorene-based benzothiophene -*S,S*-dioxide derivative

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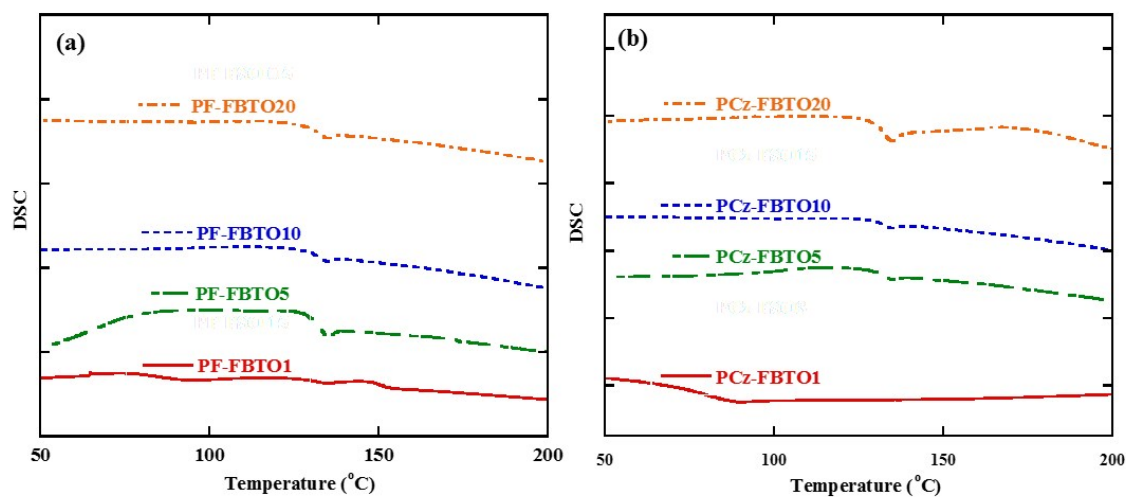


Fig. S1 DSC curves of copolymers PF-FBTOs and PCz-FBTOs.

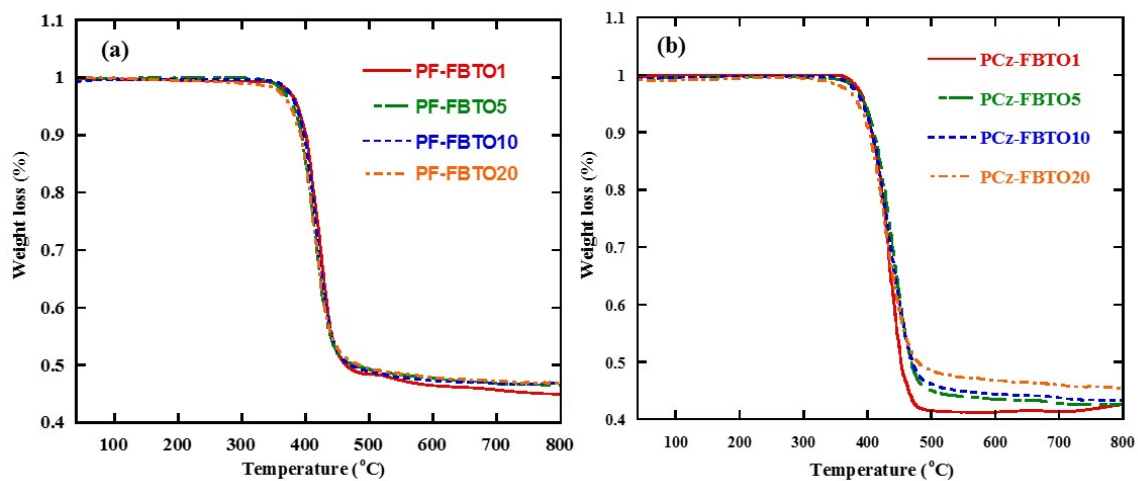


Fig. S2 TGA curves of copolymers PF-FBTOs and PCz-FBTOs.

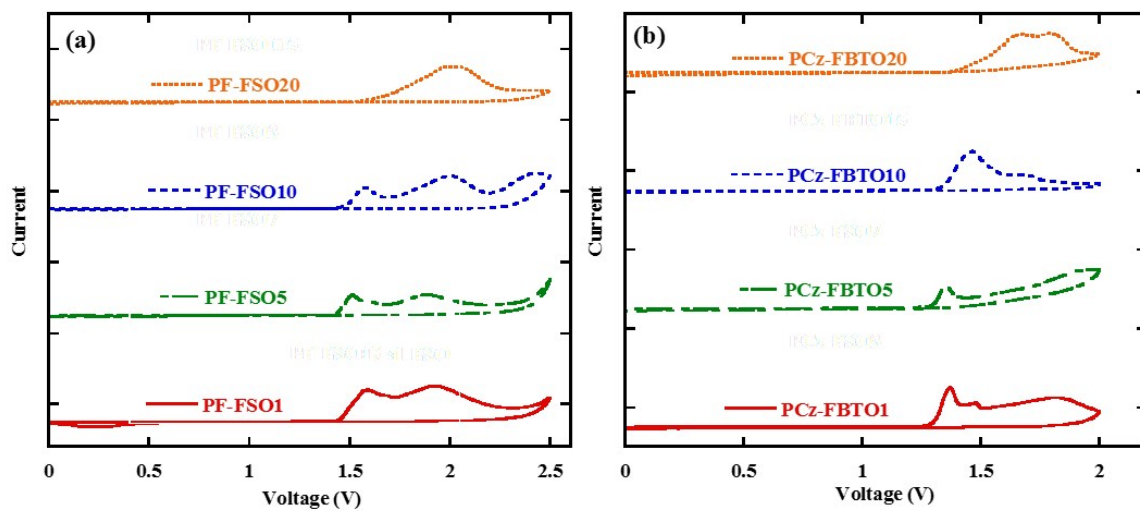


Fig. S3 Cyclic voltammetry curves of PF-FBTOs (a) and PCz-FBTOs (b)

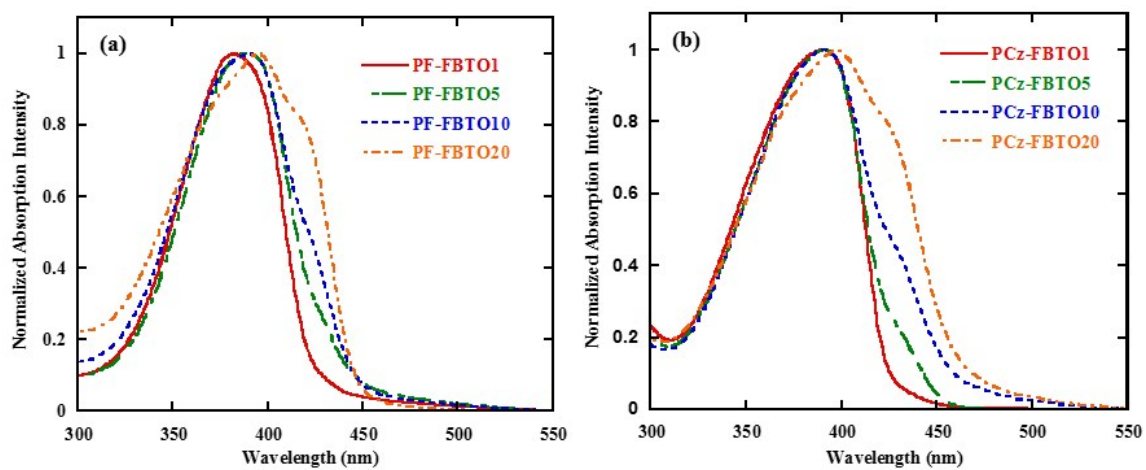


Fig. S4 Absorption spectra of polymers for PF-FBTOs (a) and PCz-FBTOs (b) in film.

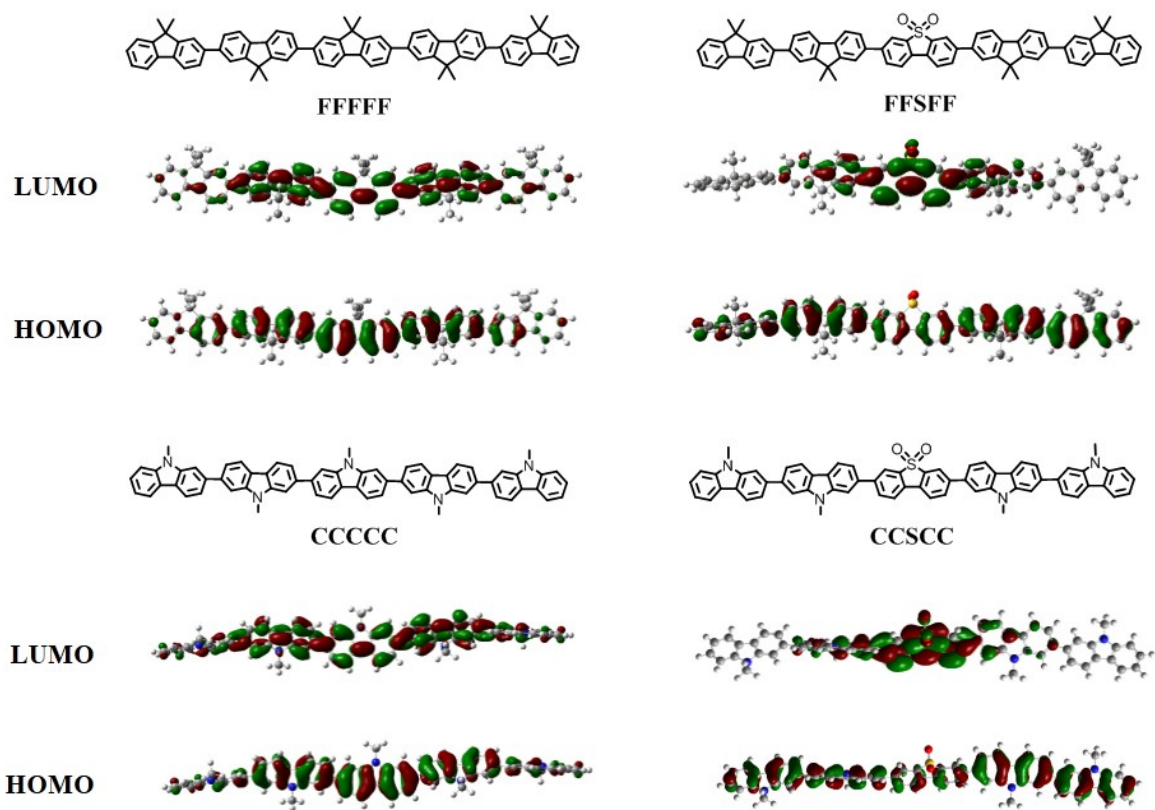


Fig. S5 Structure and spatial distribution of HOMO and LUMO in model molecules.

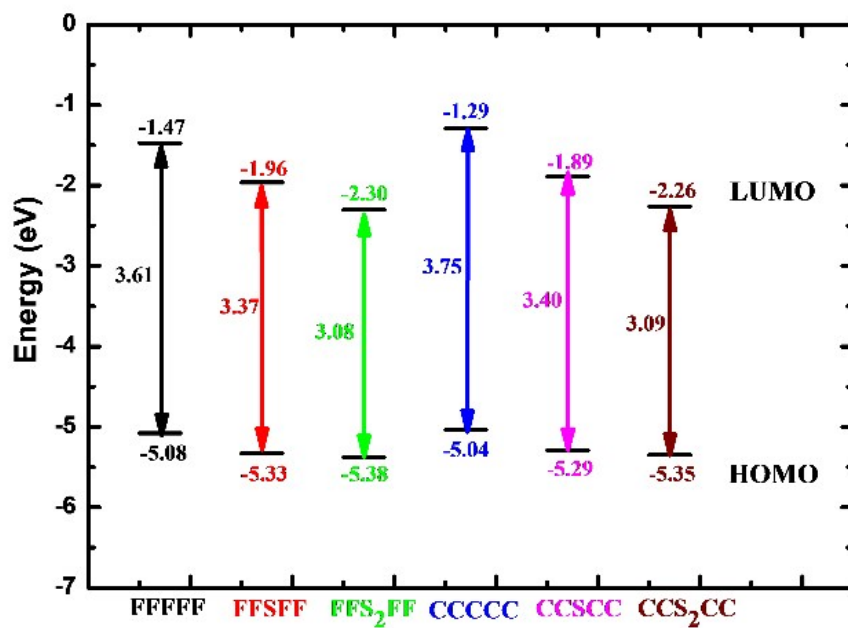
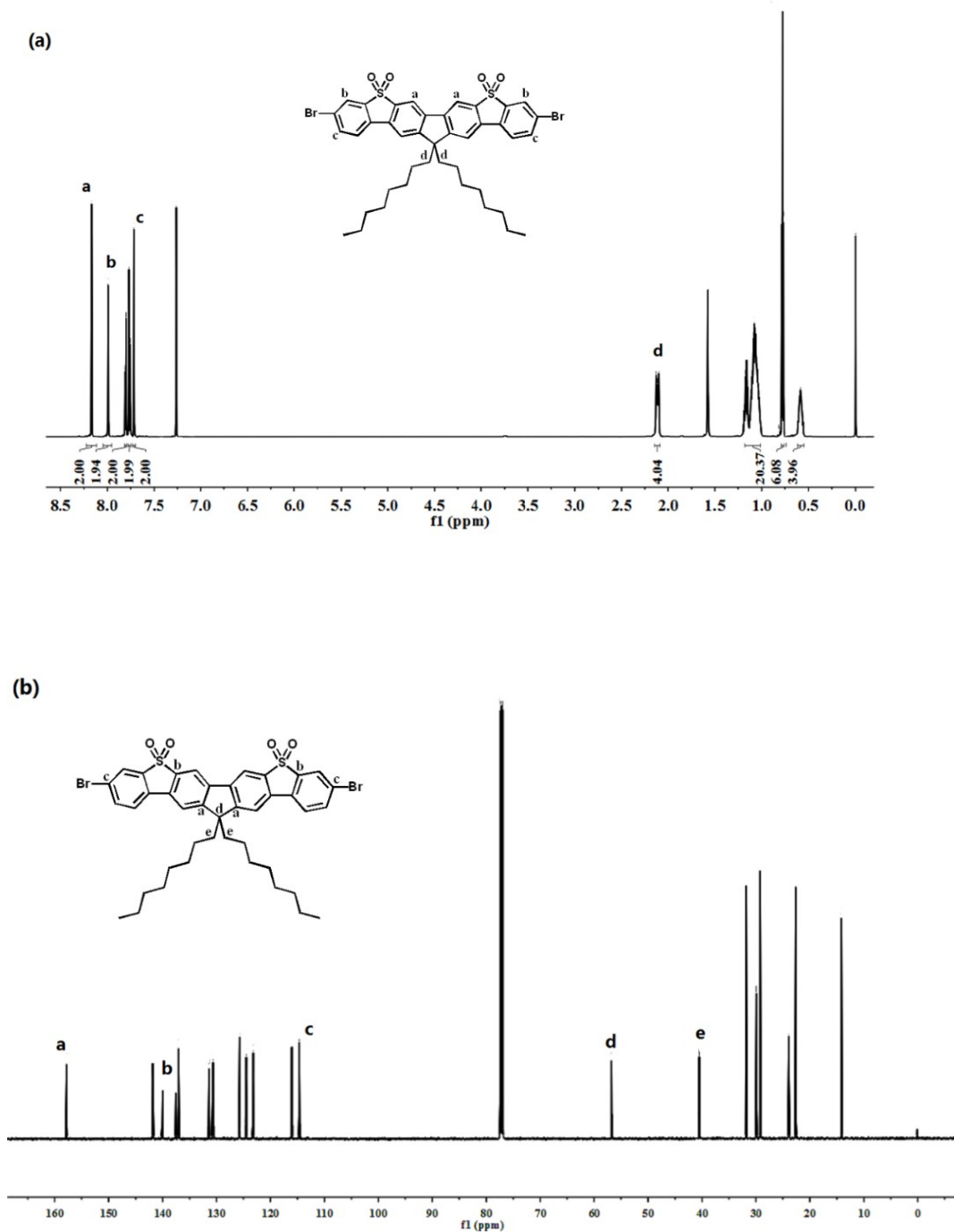


Fig. S6 Energy level diagram for FFFFF, FFSFF, FFS₂FF, CCCCC, CCSCC and CCS₂CC.



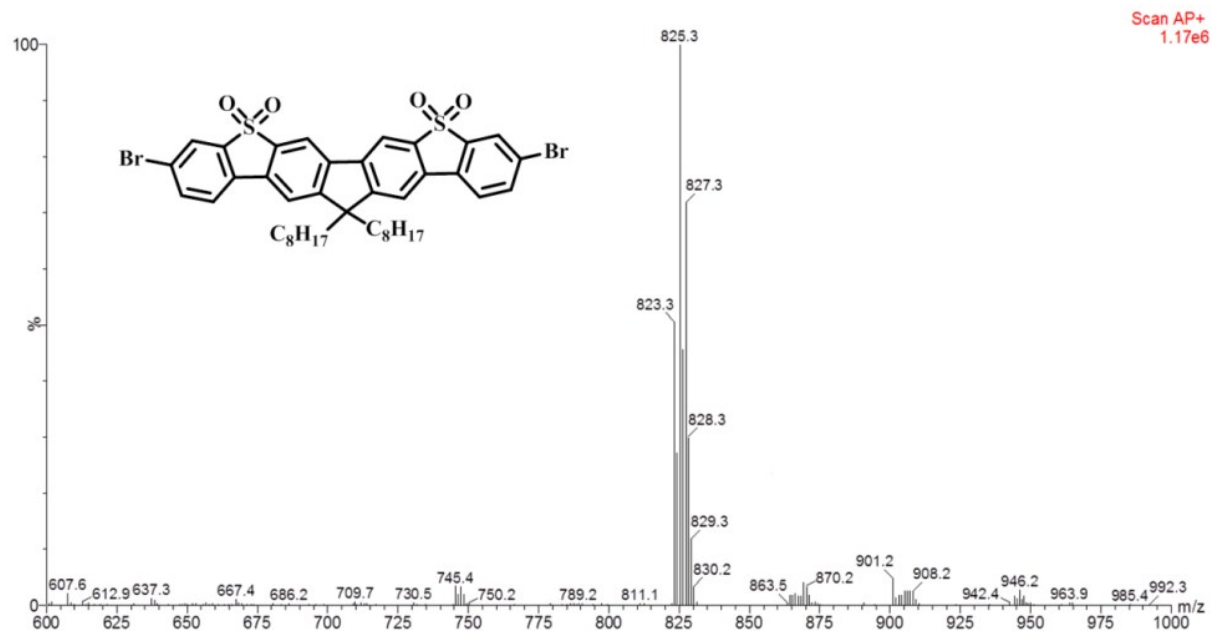


Fig. S8 The LC-MS spectra of BrFBTO.