

Synthesis and Electro-optic Activities of New Side-chain Polycarbonates Containing Nonlinear Optical Chromophores and Isolation Groups

Guowei Deng,^{ab} Heyan Huang,^{ab} Chengcheng Peng,^{ab} Airui Zhang,^{ab} Maolin Zhang,^a Shuhui Bo,^{*a} Xinhou Liu,^a Zhen Zhen^a and Ling Qiu.^{*a}

^a Key Laboratory of Photochemical Conversion and Optoelectronic Materials, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, 100190, P.R.China. Email: boshuhui@mail.ipc.ac.cn, qiuling@mail.ipc.ac.cn. Fax: +86 10 62554670.

^b University of Chinese Academy of Sciences, Beijing 100049, China.

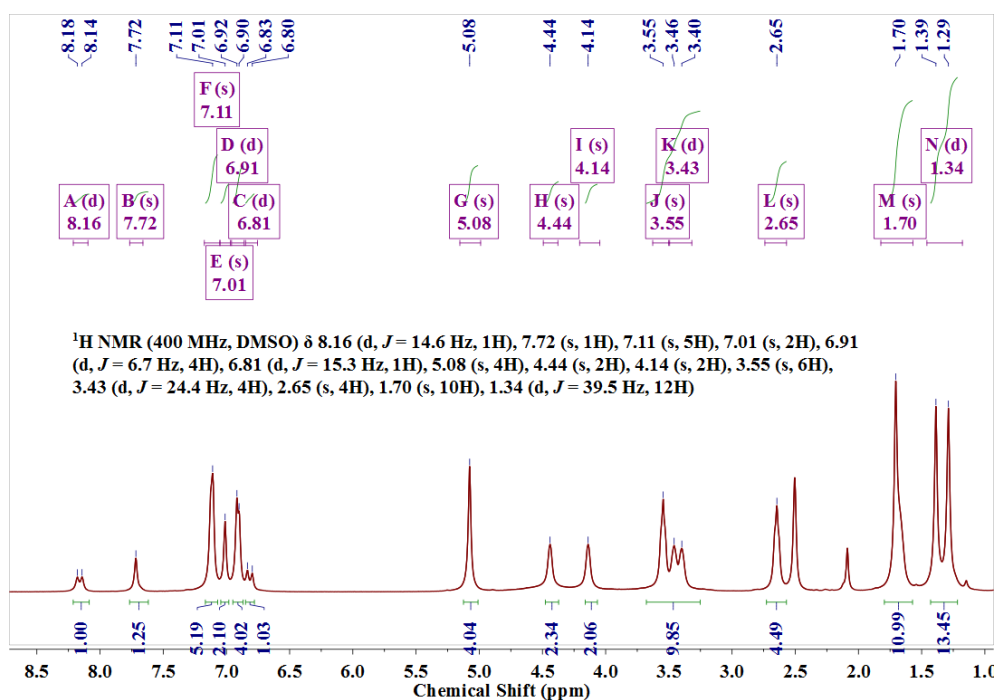


Figure S1 ¹H NMR of JTCFC

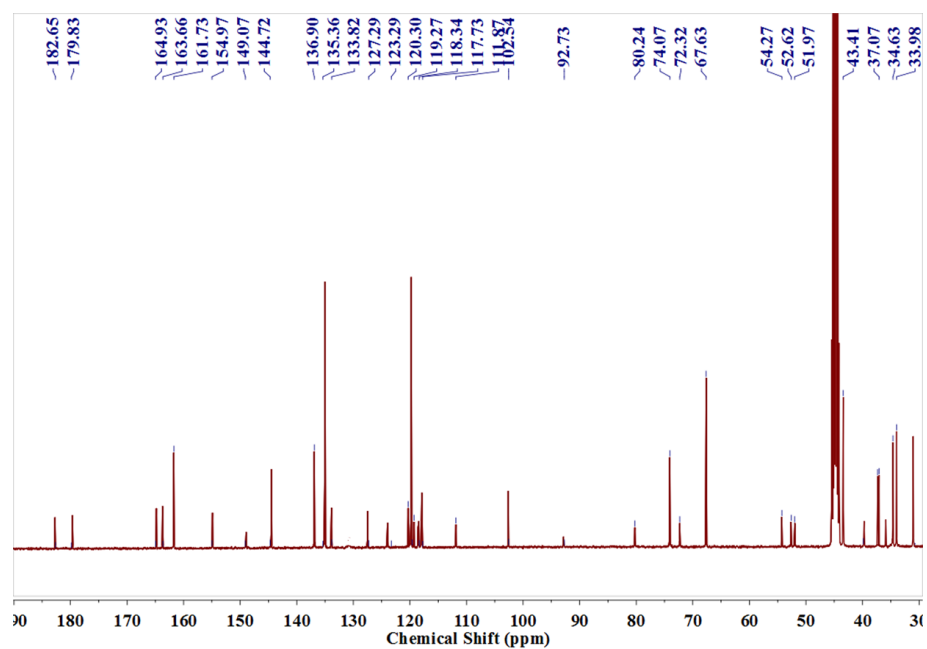


Figure S2 ^{13}C NMR of JTCFC

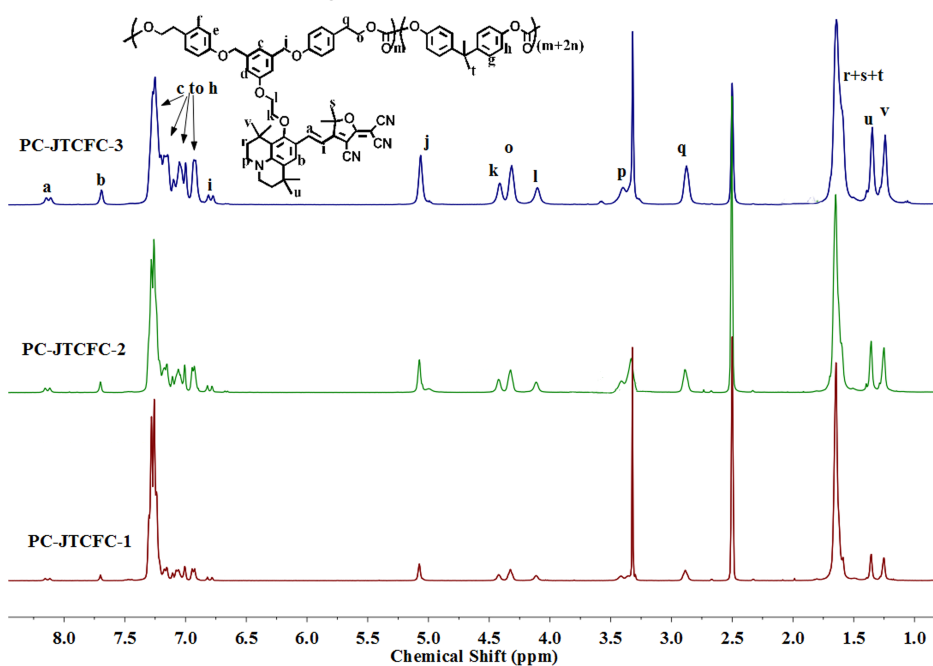


Figure S3 ^1H NMR spectra of PC-JTCFCs

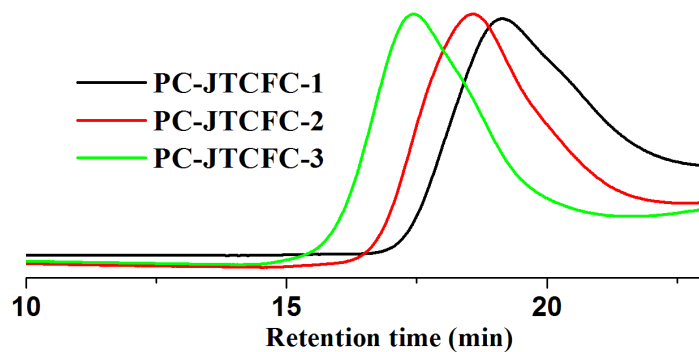


Figure S4 GPC traces for PC-JTCFC

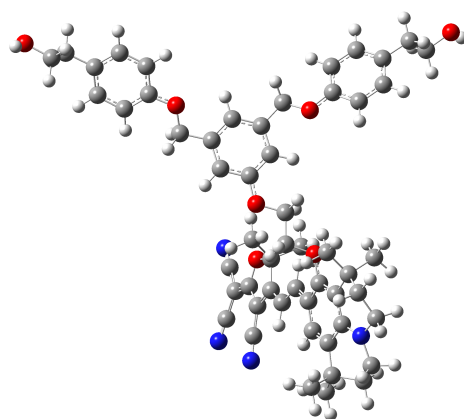


Figure S5 Modified dendritic chromophore structure (the direction was paralleled the D- π -A plane)

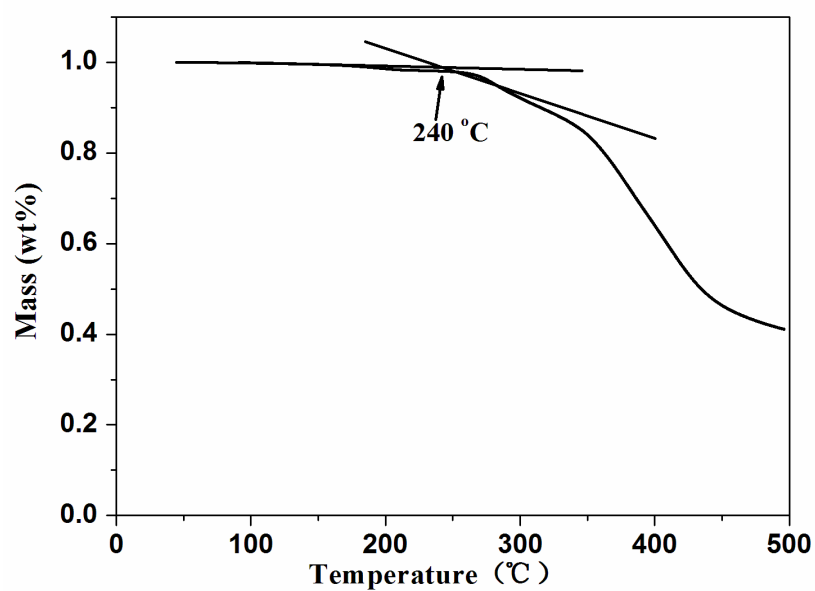


Figure S6 TGA curve of JTCFC