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 Zhenb 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.ipac.cn, qiuling@mail.ipac.ac.cn. Fax: +86 10 62554670.

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

Figure S1: $^1$H NMR of JTCFC
Figure S2 $^{13}$C NMR of JTCFC

Figure S3 $^1$H NMR spectra of PC-JTCFCs

Figure S4 GPC traces for PC-JTCFC
Figure S5 Modified dendritic chromophore structure (the direction was parallelled the D-π-A plane)

Figure S6 TGA curve of JTCFC