

Synthesis and optical, electrochemical, memory properties of fluorene-triphenylamine alternating copolymer

Dechao Guo,^a Zhiyao Sun,^b Shuhong Wang*,^b Xuduo Bai,^a Laidi Xu,^b Qun Yang,^b Ying Xin,^b Rongrong Zheng,^b Dongge Ma,^c Xiaofeng Zhao,^b Cheng Wang*,^{a,b}

^aKey Laboratory of Functional Inorganic Material Chemistry (Heilongjiang University), Ministry of Education, Harbin 150080, P.R. China

^b School of Chemical Engineering and Materials, Heilongjiang University, Harbin 150080, P.R. China

^c School of Materials Science and Engineering, South China University of Technology, Guangzhou 510640, P.R. China

E-mail address: wangc_93@163.com (Cheng Wang); openair@163.com (Shuhong Wang)

1.1 The characterization of monomer M1

1.1.1 IR spectra of M1

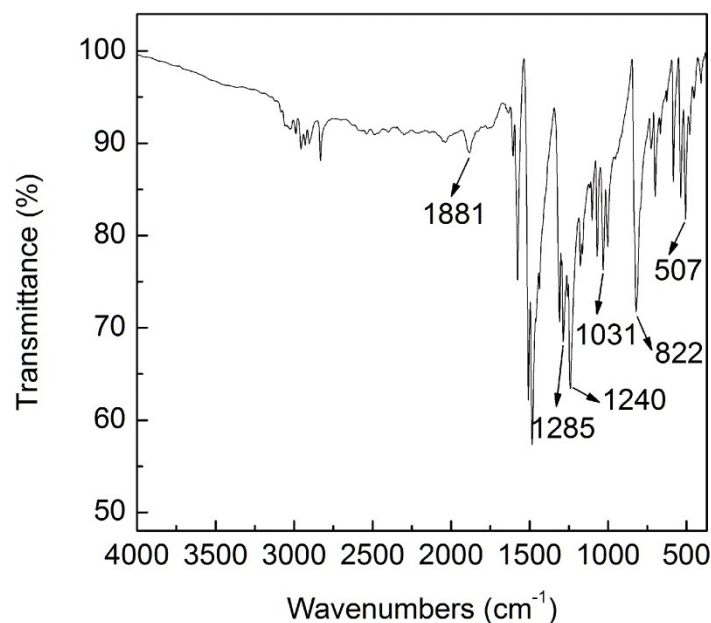


Figure S1 The FT-IR spectra of M1.

1.1.2 ^1H -NMR spectra of M1

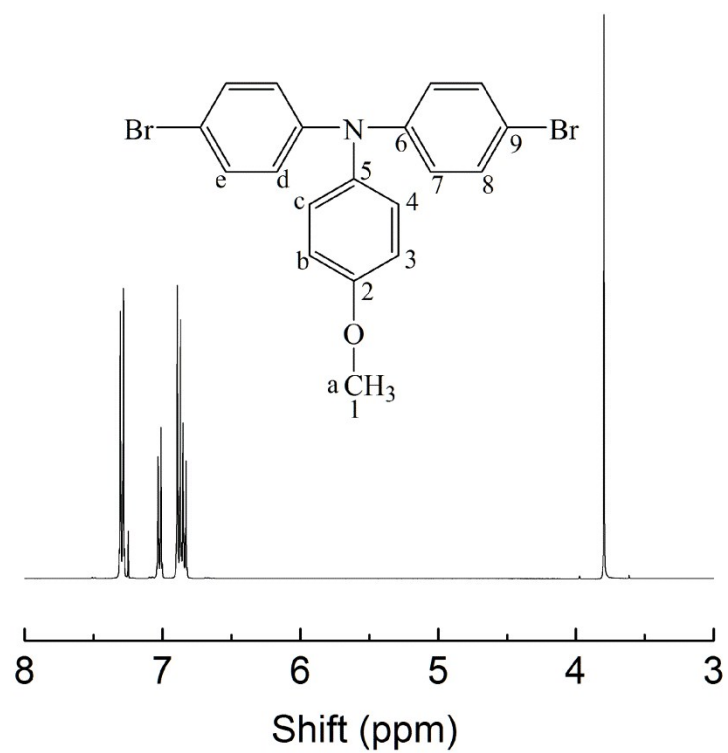


Figure S2 ^1H NMR spectra of M1 in CDCl_3 .

1.1.3 ^{13}C -NMR spectra of M1

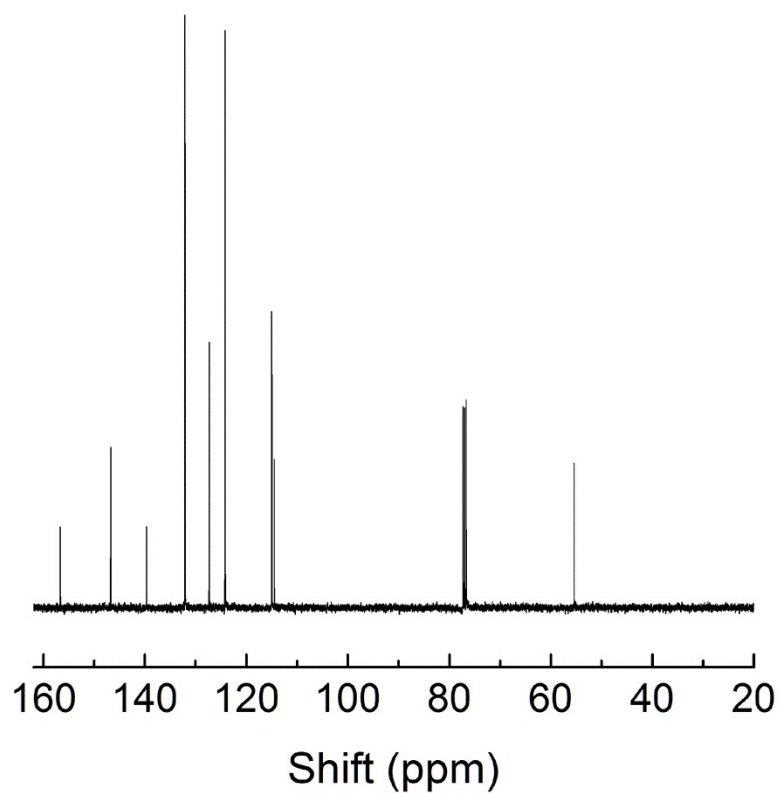


Figure S3 ^{13}C NMR spectra of M1 in CDCl_3 .

1.2 The characterization of PF-TPA

1.2.1 IR spectra of PF-TPA

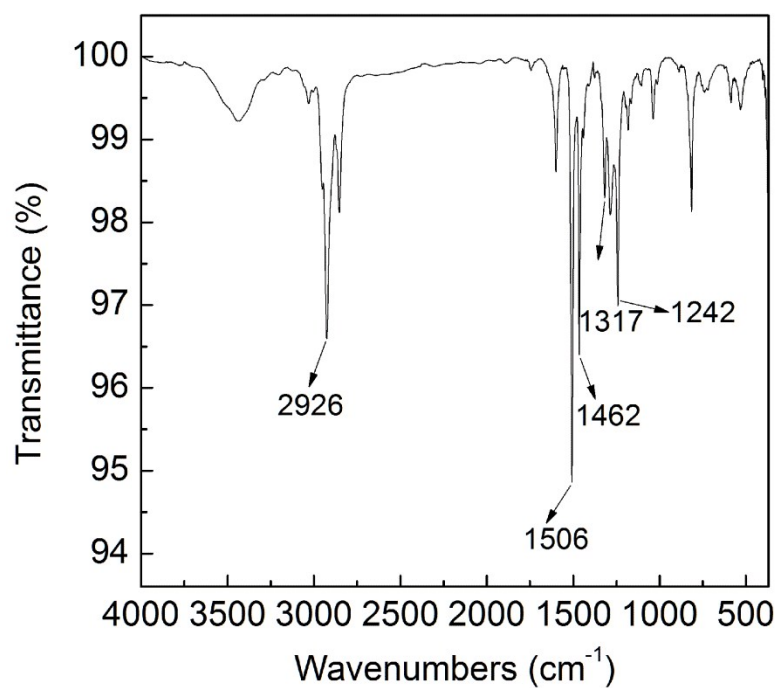


Figure S4 The FT-IR spectra of PF-TPA.

1.2.2 ¹H-NMR spectra of PF-TPA

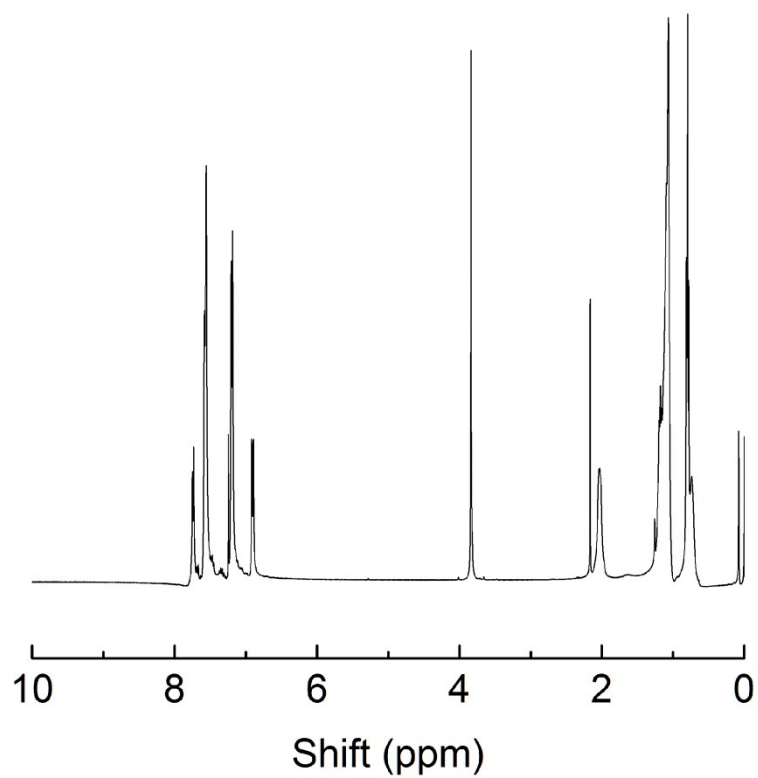


Figure S5 ¹H spectra of PF-TPA in CDCl₃.

1.2.3 ^{13}C -NMR spectra of PF-TPA

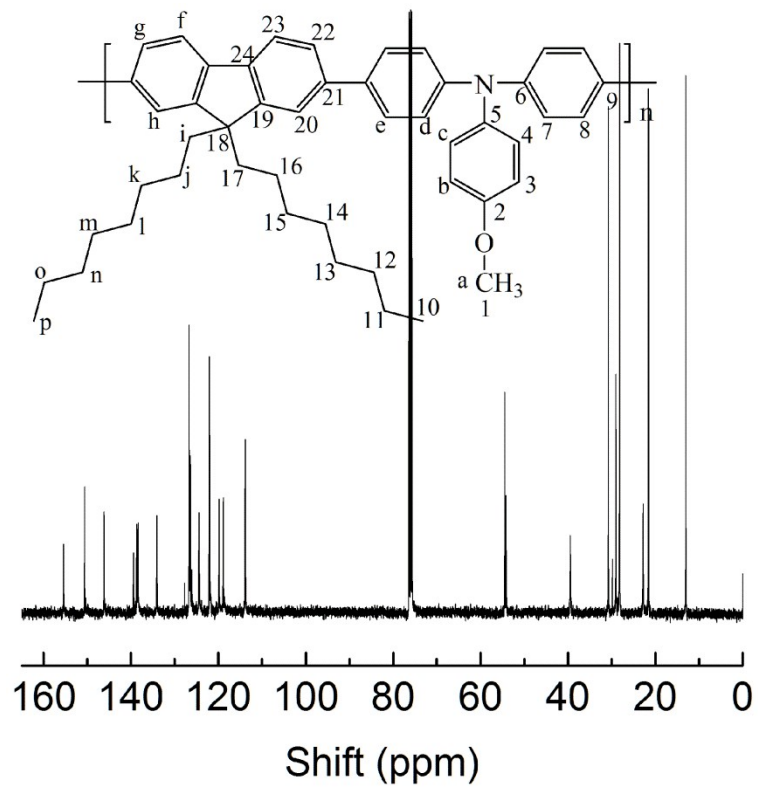


Figure S6 ^{13}C NMR spectra of PF-TPA in CDCl_3 .