Electronic Supplementary Information

Effects of Pyrazine Derivatives and Substituted Positions on the Photoelectric Properties and Electro-memory Performance of D-A-D Series compounds

Xuejing Song, Lingqian Kong, Hongmei Du, Xiangyu Li, Hanlin Feng, Jinsheng Zhao and Yu Xie

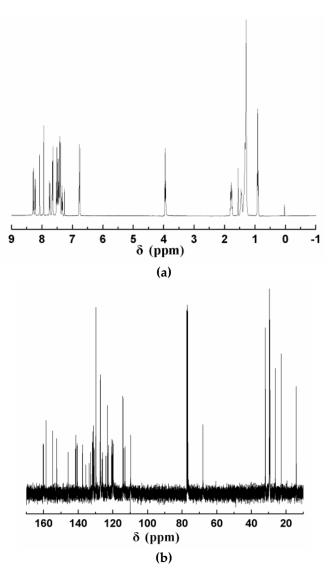


Figure S1. (a) ¹H NMR spectrum of BPC-2DPx in CDCl₃ solution (b) ¹³C NMR spectrum of BPC-2DPx in CDCl₃ solution.

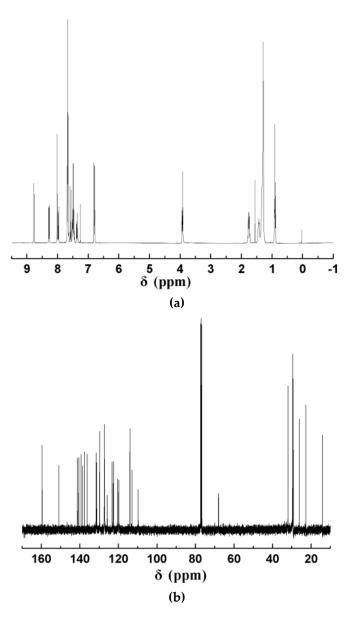
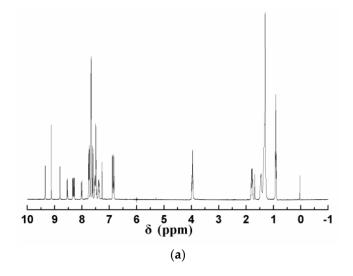


Figure S2. (a) 1 H NMR spectrum of BPC-3DPx in CDCl₃ solution, (b) 13 C NMR spectrum of BPC-3DPx in CDCl₃ solution.



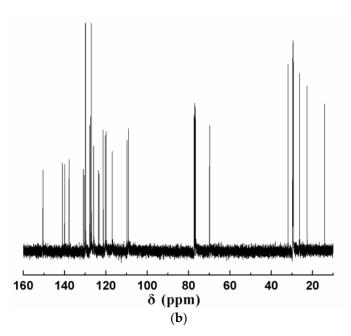
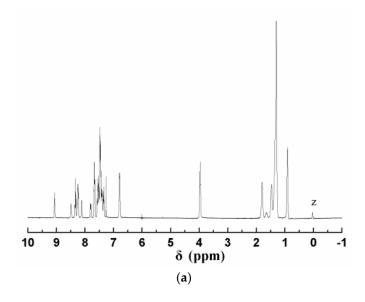


Figure S3. (a) 1 H NMR spectrum of BPC-2DPP in CDCl₃ solution, (b) 13 C NMR spectrum of BPC-2DPP in CDCl₃ solution.



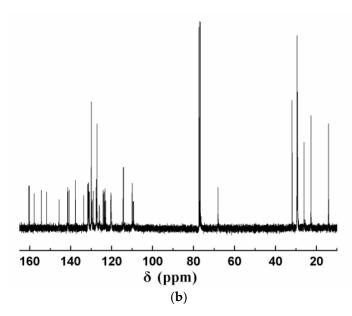
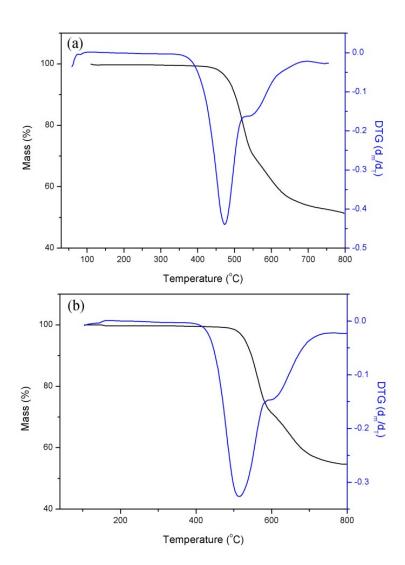


Figure S4. (a) 1 H NMR spectrum of BPC-3DPP in CDCl₃ solution, (b) 13 C NMR spectrum of BPC-3DPP in CDCl₃ solution.



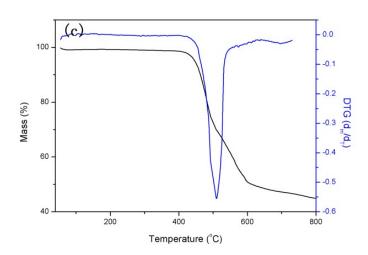


Figure S5. (a) TGA curves of BPC-3DPx, (b) TGA curves of BPC-2DPP, (c) TGA curves of BPC-3DPP.

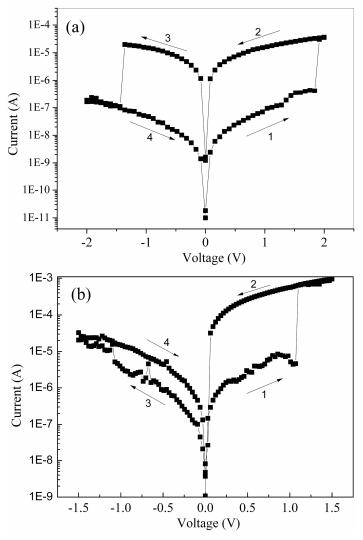


Figure S6. Current-voltage (I-V) characteristics of **(a)** ITO/BPC-3DPx/Al and **(b)** ITO/BPC-3DPP/Al memory devices.