

Supplementary: Carbon Black-Carbon Nanotube Co-Doped Polyimide Sensors for Simultaneous Detection of Ascorbic Acid, Uric Acid, and Dopamine

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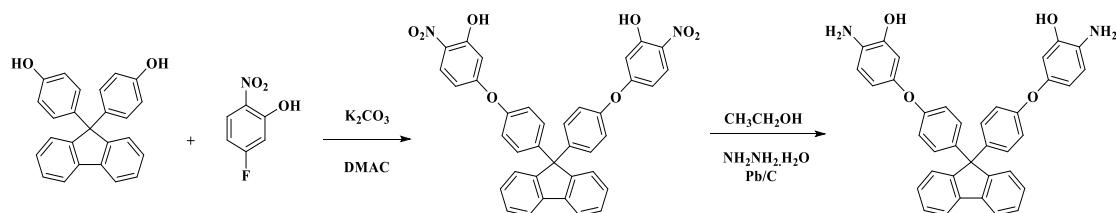


Figure S1. Synthesis of dinitro compound and diamine monomer.

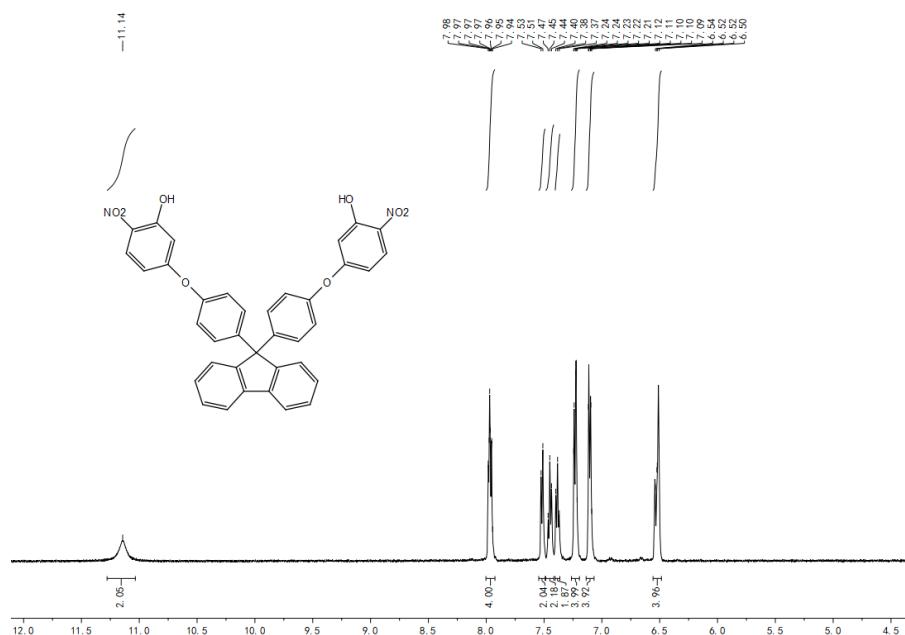


Figure S2. $^1\text{H-NMR}$ spectra of 9, 9'-Bis[4-(4-nitro-2-hydroxybenzoyl) phenyl] fluorene (BNHOPF).

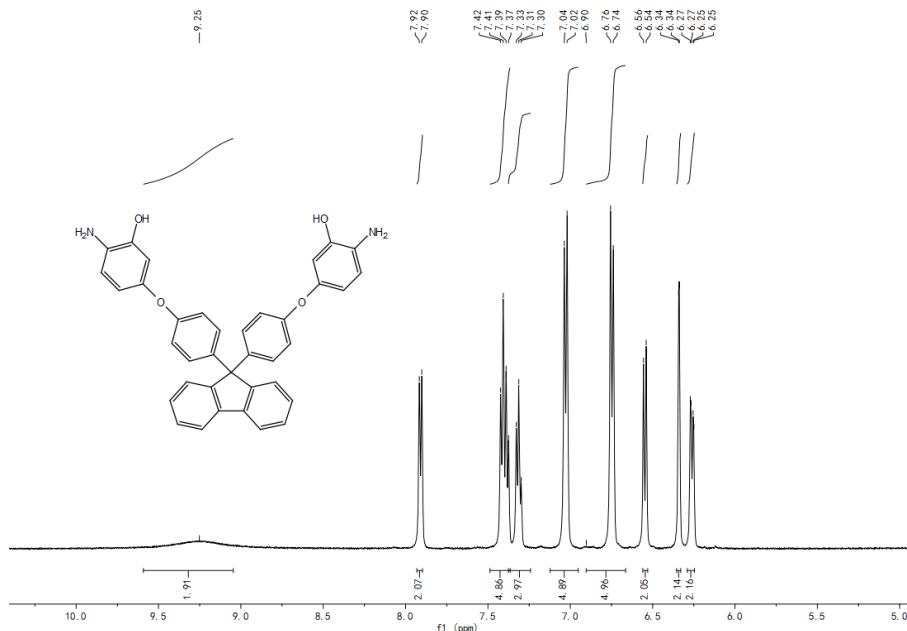


Figure S3. ¹H-NMR spectra of 9,9'-Bis[4-(4-amino-2-hydroxybenzoxyl) phenyl] fluorene (BAHOPF).



Figure S4. Synthesis procedures of polyimide.

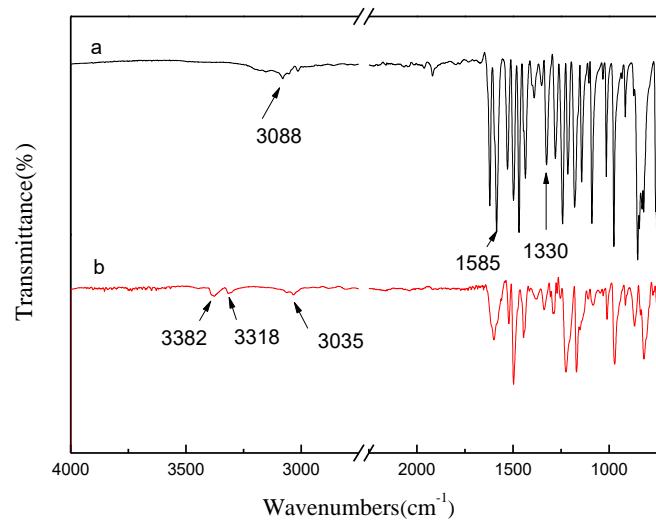


Figure S5. FT-IR spectras of dinitro compound (a) and diamine monomer(b).

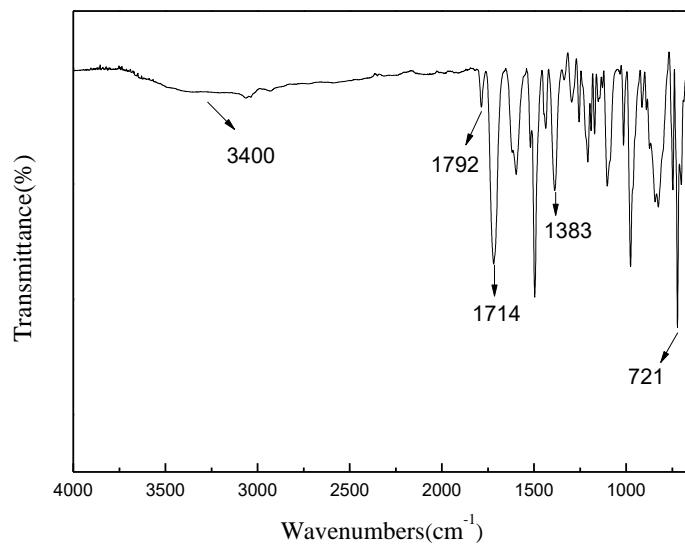


Figure S6. FT-IR spectra of polyimide.

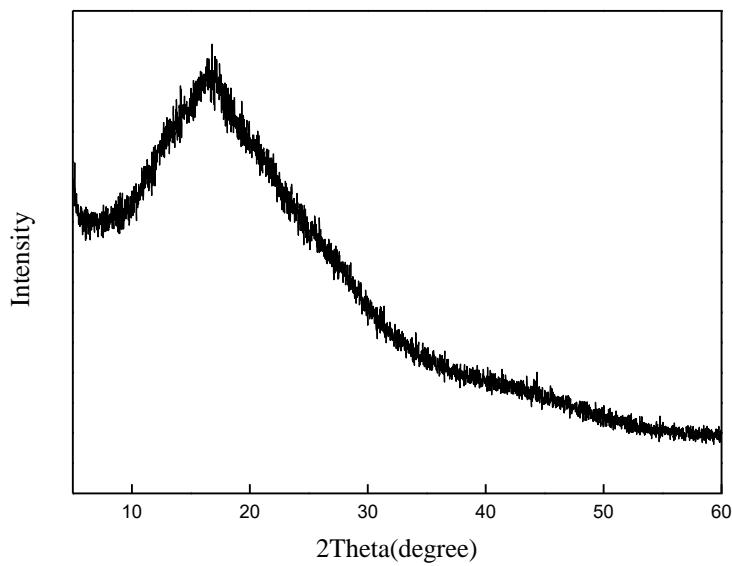


Figure S7. XRD patterns of polyimide.



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