

Supporting Information

Conjugated Polymers Consisting of Quinacridone and Quinoxaline as Donor Materials for Organic Photovoltaics: Orientation and Charge Transfer Properties of Polymers Formed by Phenyl Structures with a Quinoxaline Derivative

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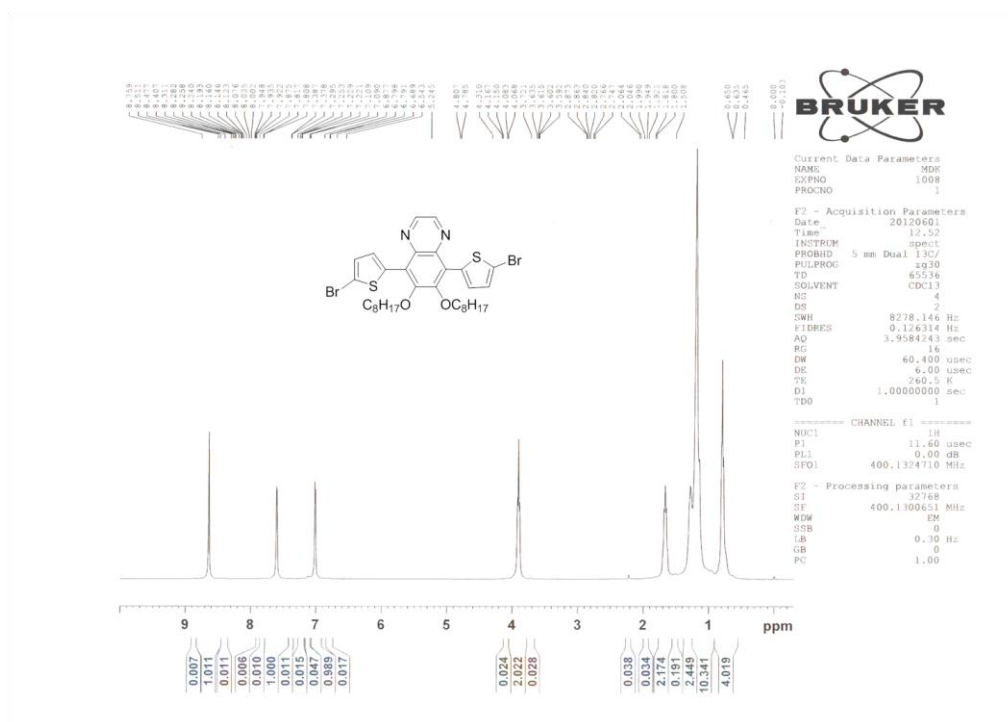


Figure S1. ¹H-NMR of M2

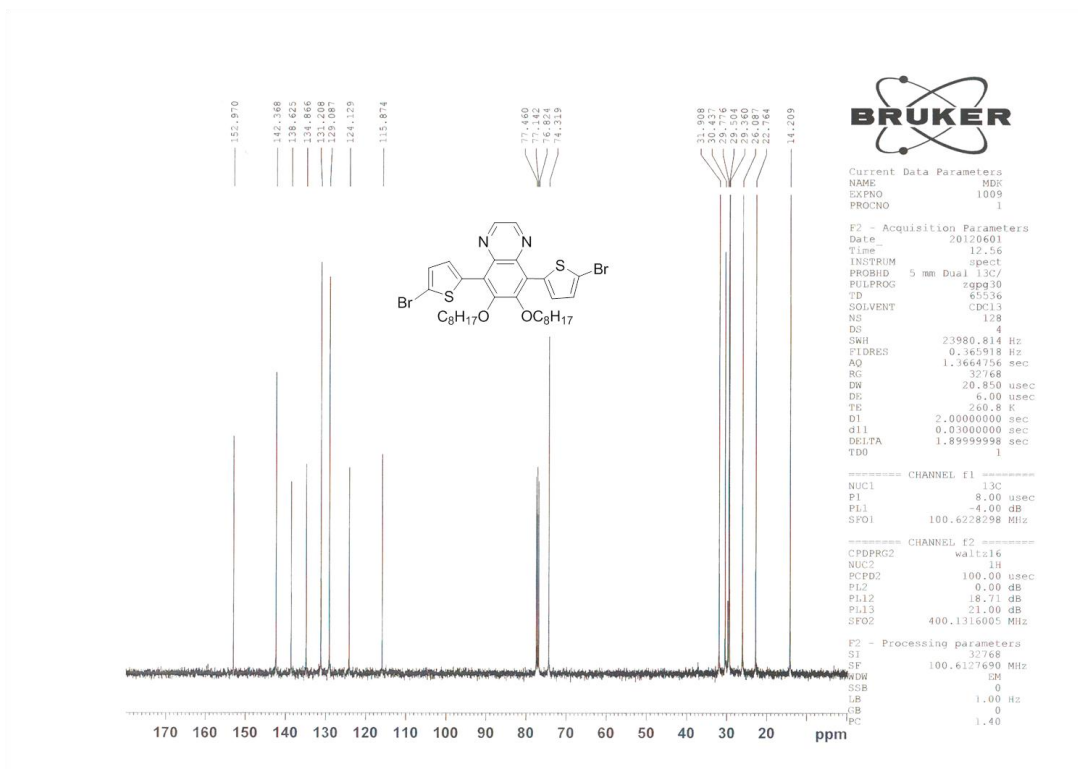


Figure S2. ¹³C-NMR of M2

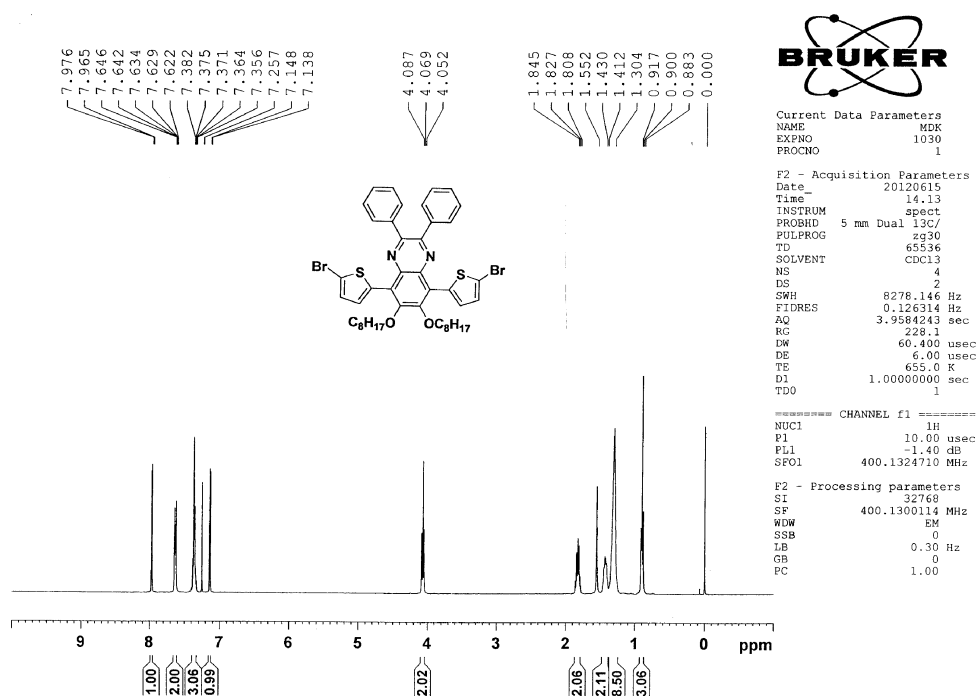


Figure S3. ¹H-NMR of M3

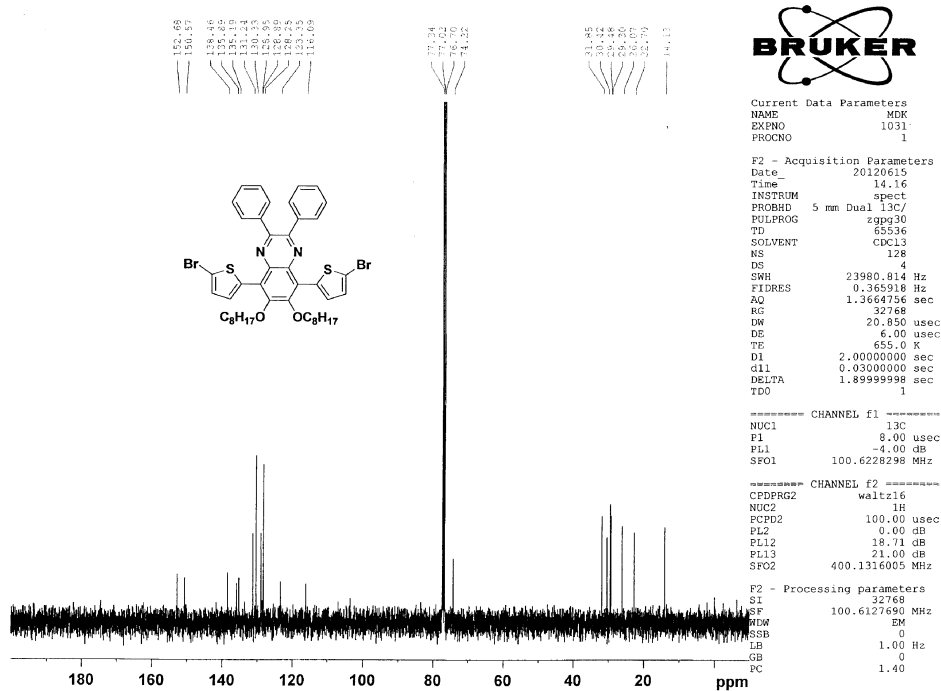


Figure S4. ¹³C-NMR of M3

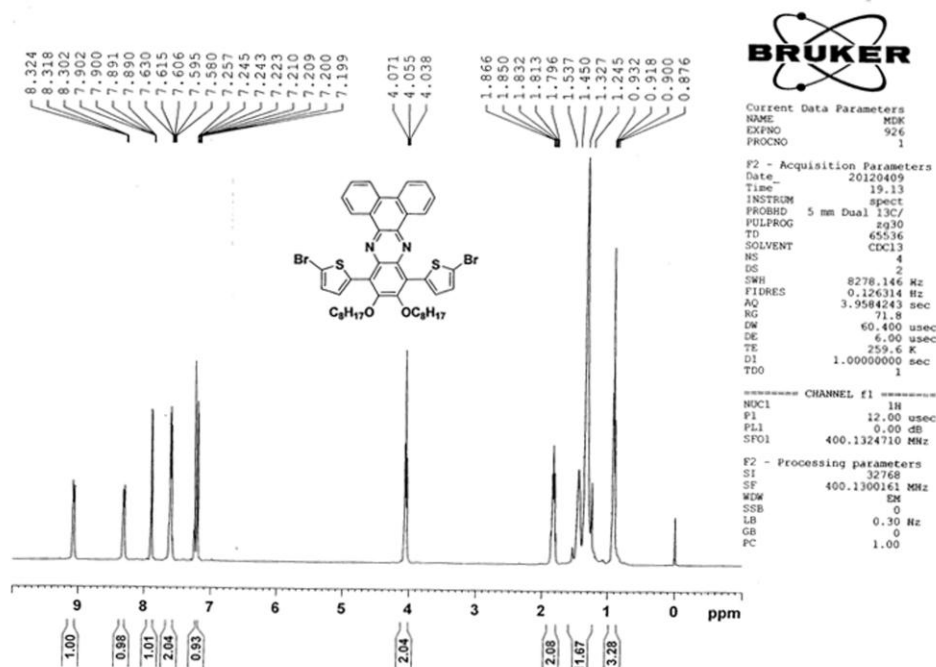


Figure S5. ¹H-NMR of M4

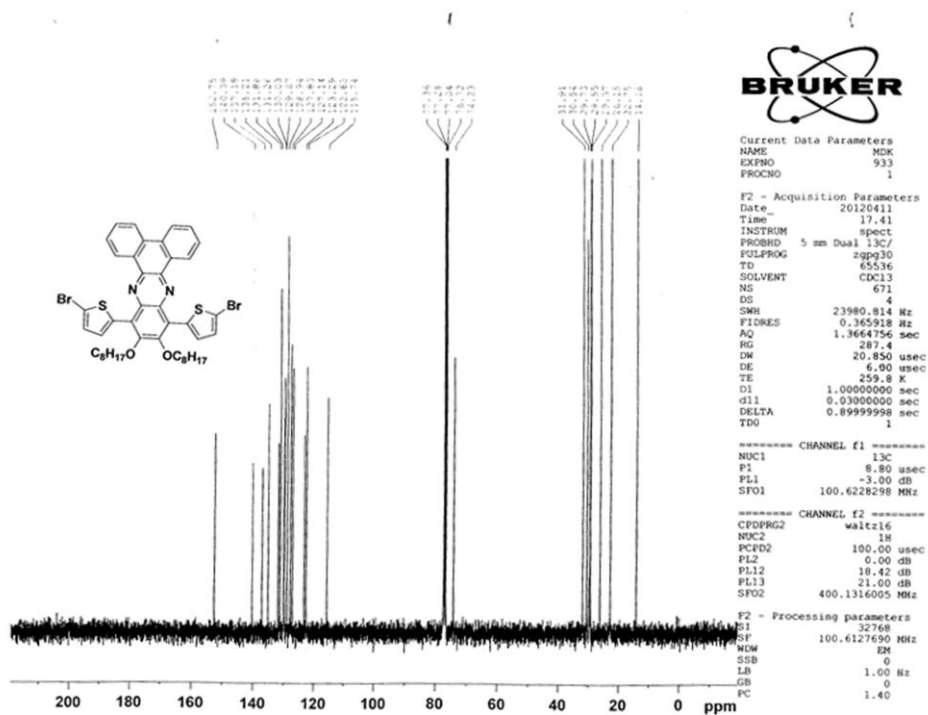


Figure S6. ^{13}C -NMR of M4

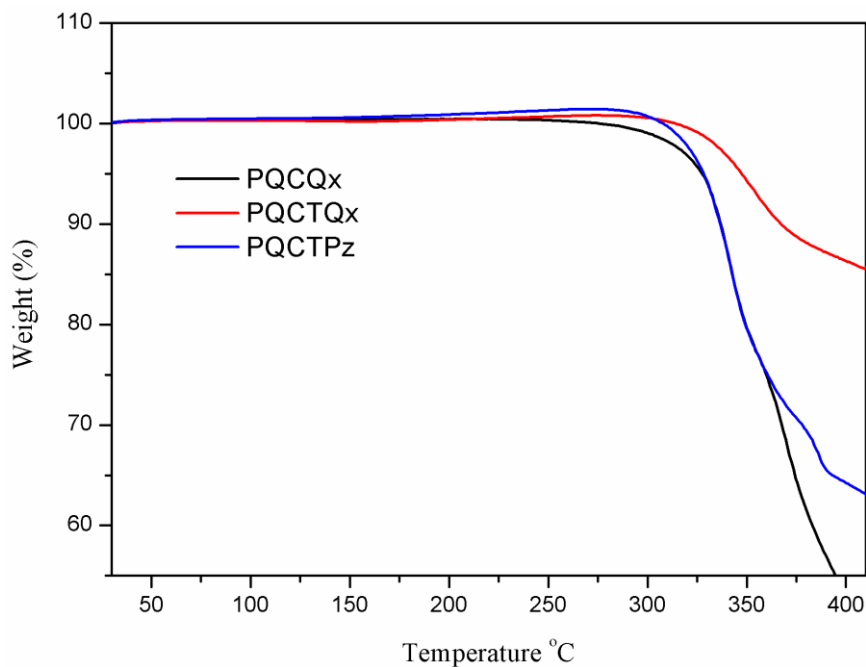


Figure S7. TGA data of polymers

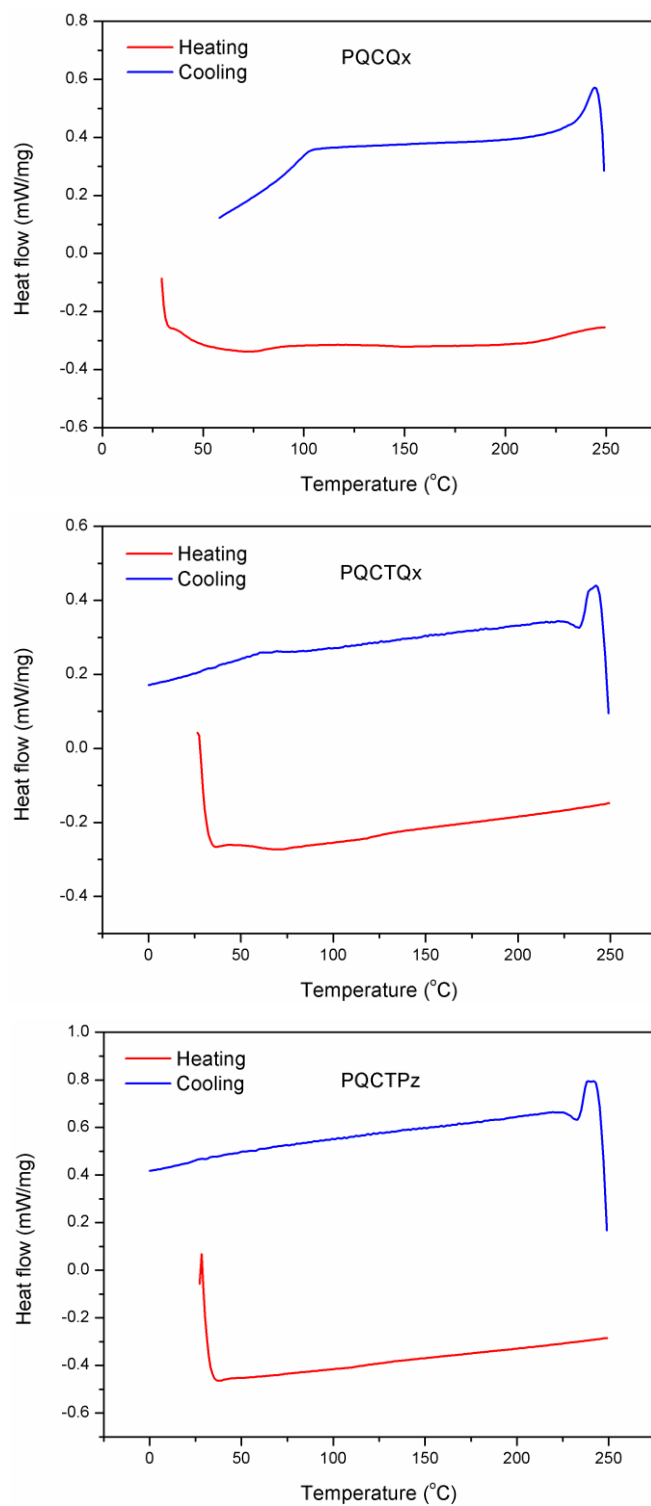


Figure S8. DSC data of polymers

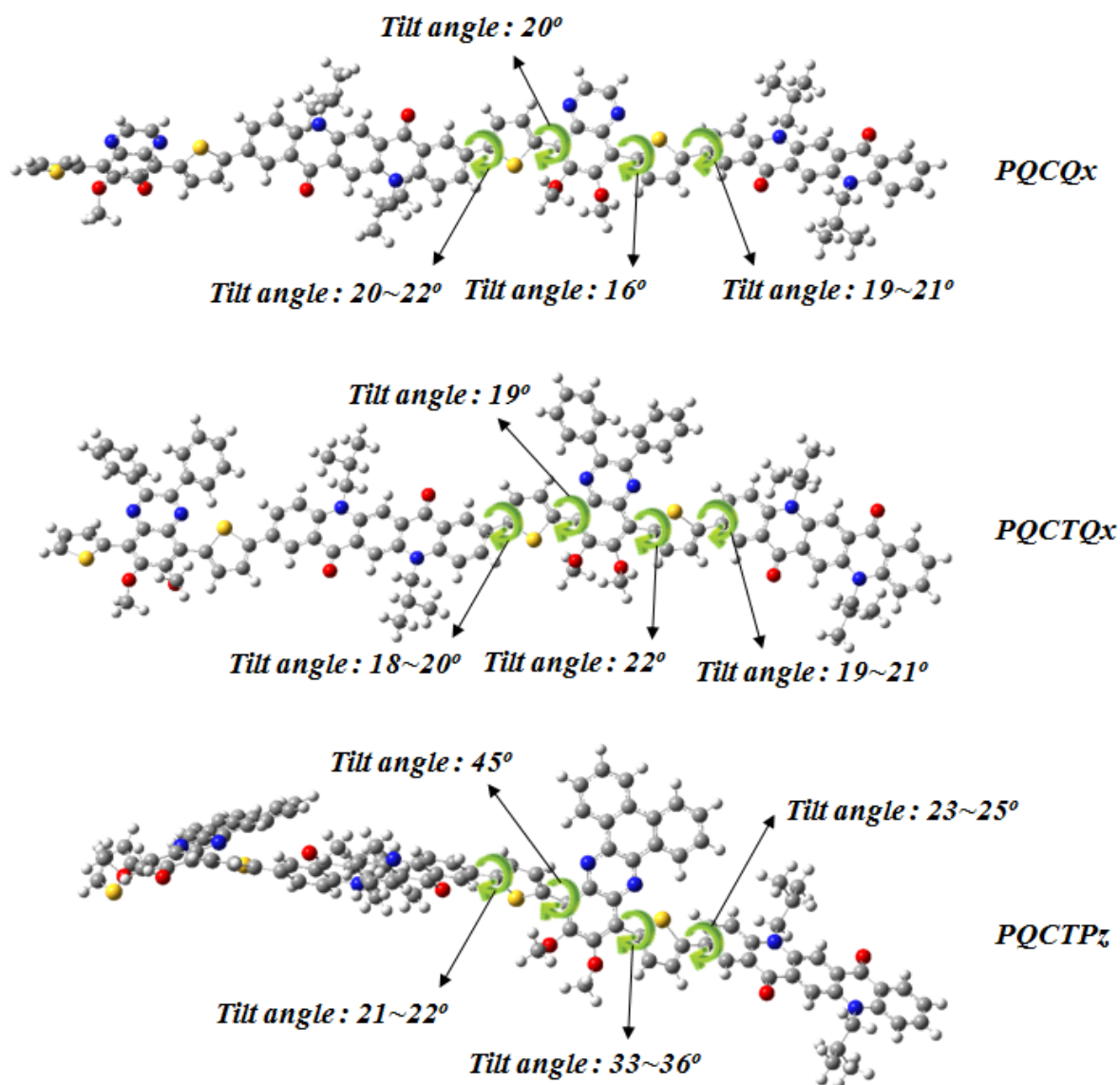


Figure S9. Dihedral angle of polymers through the 6-31G* basis set in Gaussian09