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Systematic Structure Modification of Low Bandgap Conjugated Polymer Improves Thin Film Morphology and Photovoltaic Performance by Incorporating Naphthalene in Side Chains

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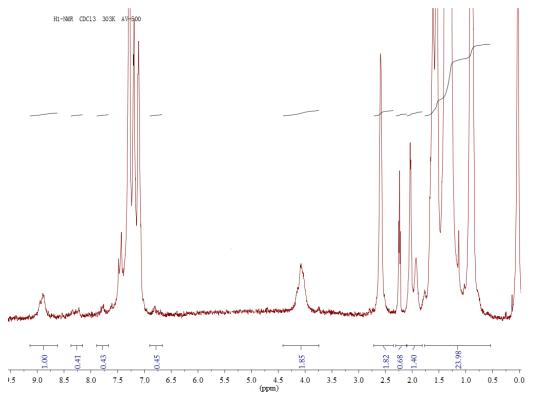


Figure S1.1H NMR spectra of polymer P2

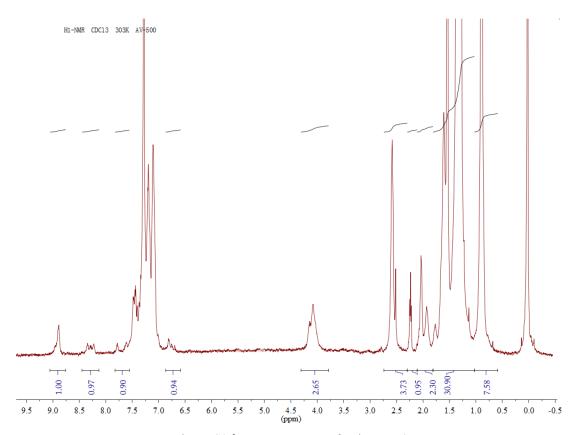


Figure S2.¹H NMR spectra of polymer P3

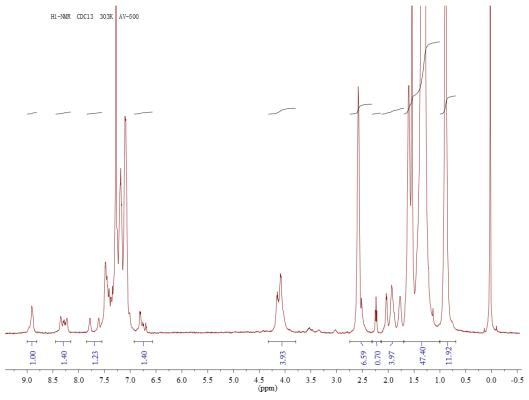


Figure S3.¹H NMR spectra of polymer P4

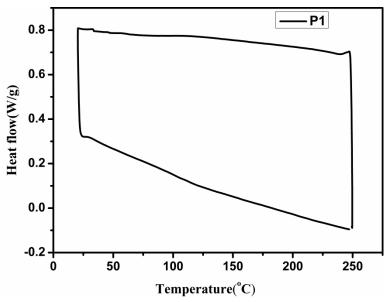


Figure S4. DSC scans at 10 °C/min for P1 second heating scan.

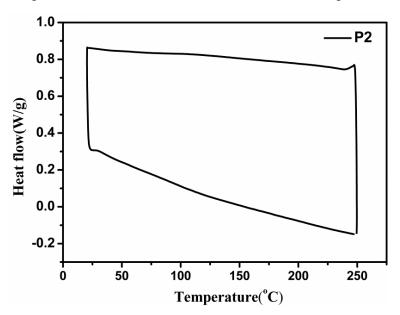


Figure S5. DSC scans at 10 °C/min for P2 second heating scan.

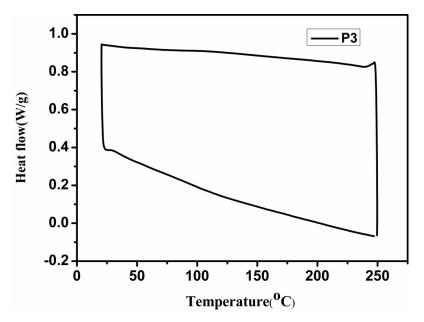


Figure S6. DSC scans at 10 °C/min for P3 second heating scan.

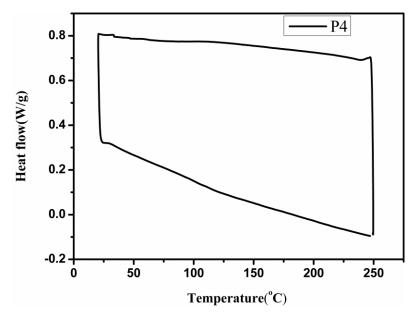


Figure S7. DSC scans at 10 °C/min for P4 second heating scan.