

Supplementary Materials

Synthesis and Ultrafast Broadband Optical Limiting Properties of a Two-Branched Twistacene

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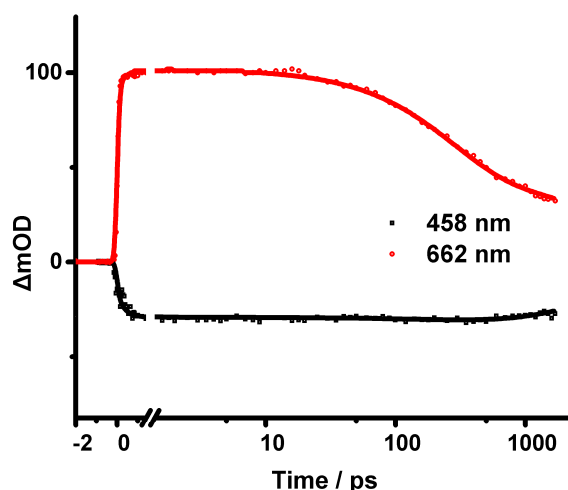


Figure S1. Dynamics traces of PyDN at 458 nm and 662 nm. The dots represent the experimental data and solid lines were theoretical fitted curves by global analysis.

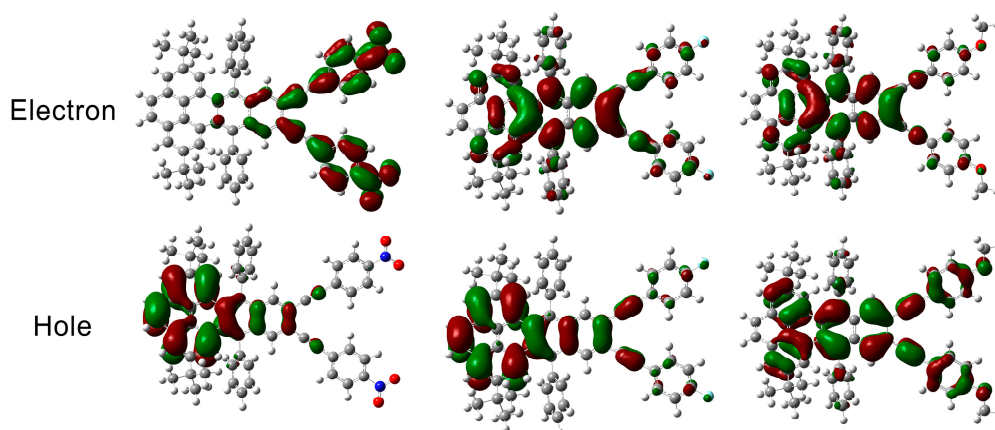


Figure S2. The natural transition orbitals in the first excited state (S_1) of designed twistacenes.

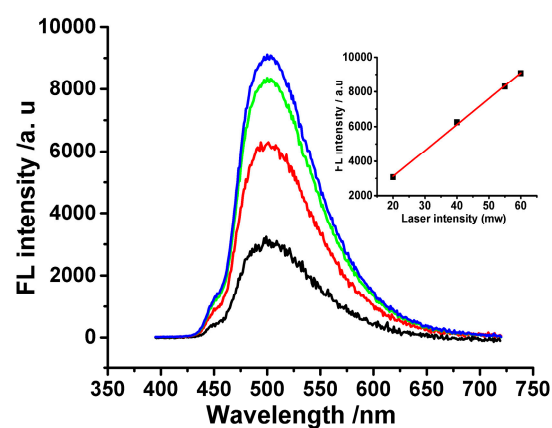


Figure S3. The emission spectra of PyDN in toluene under different incident laser energies at 400 nm. Inset is that linear dependence of one-photon-excited fluorescence intensity on the laser intensity.

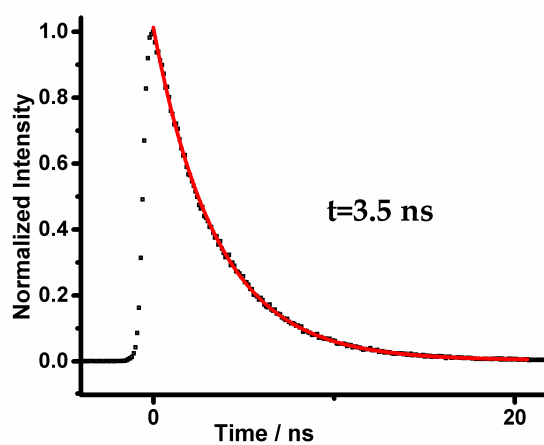


Figure S4. Fluorescence decay of PyDN in toluene. The solid line was fitted lifetime of 3.5 ns.

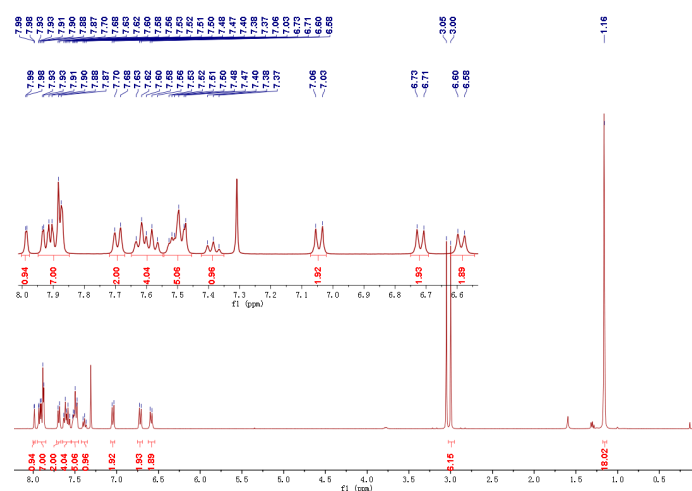


Figure S5. ^1H NMR spectrum of PyDN.

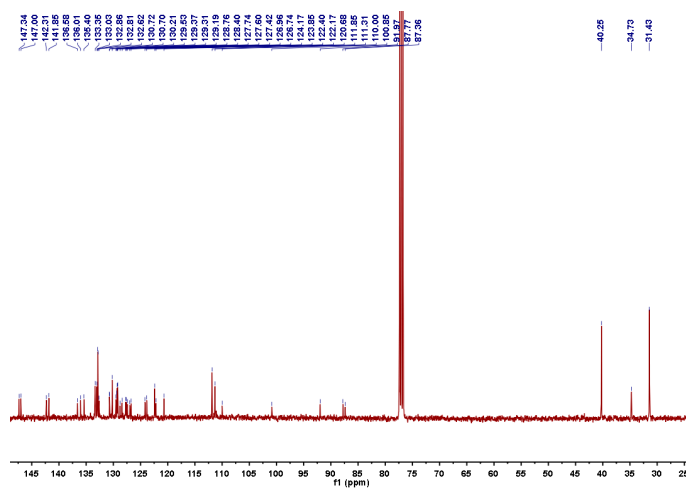


Figure S6. ^{13}C NMR spectrum of PyDN.

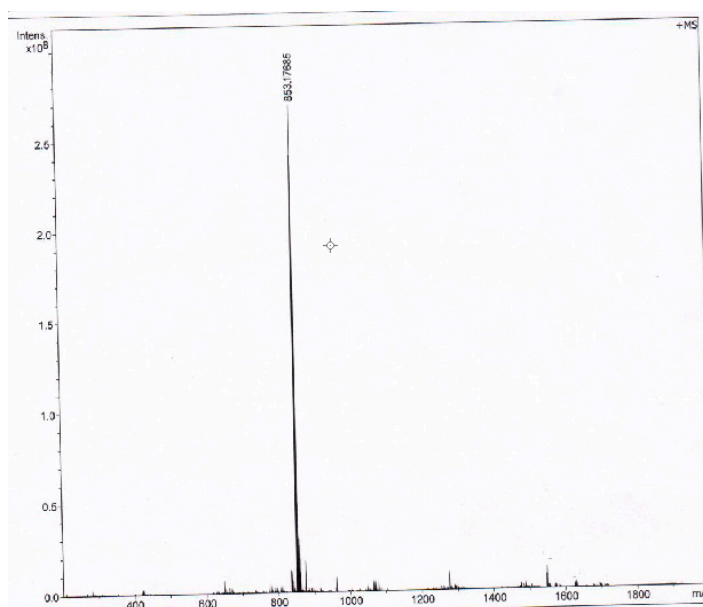


Figure S7. MALDI-TOF spectrum of PyDN.