

Electronic Supplementary Information for

Photoinduced Electron Transfer in Supramolecular Donor-Acceptor dyad of Zn Corrphycene

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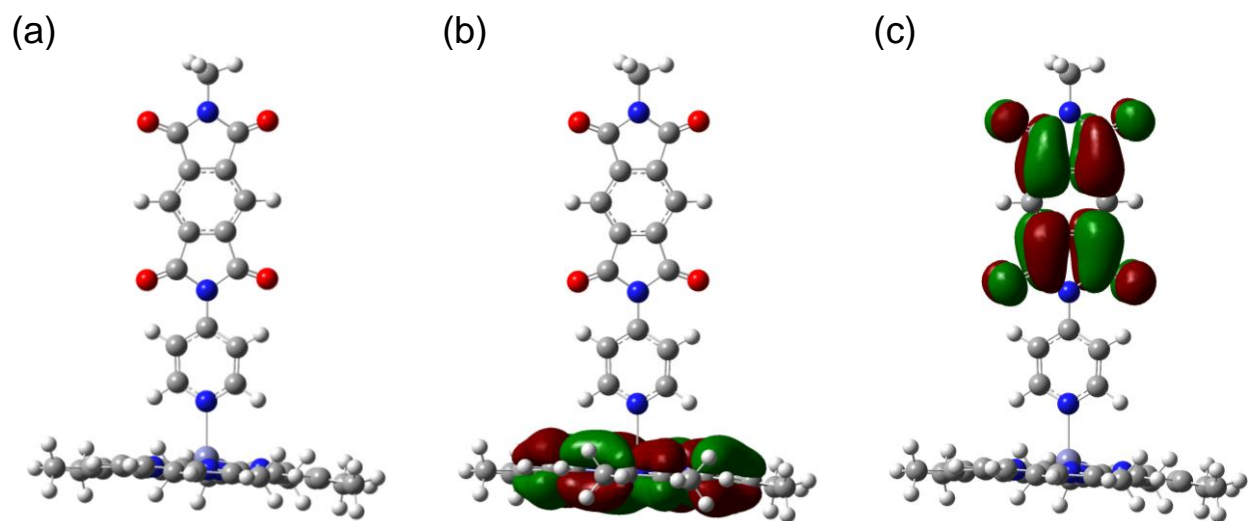


Fig. S1 (a) Optimized structure, (b) HOMO, and (c) LUMO of PI-ZnCc calculated using DFT at B3LYP/6-31G(d) level. For simplicity of the calculation, alkyl groups of the compounds were reduced to methyl groups.

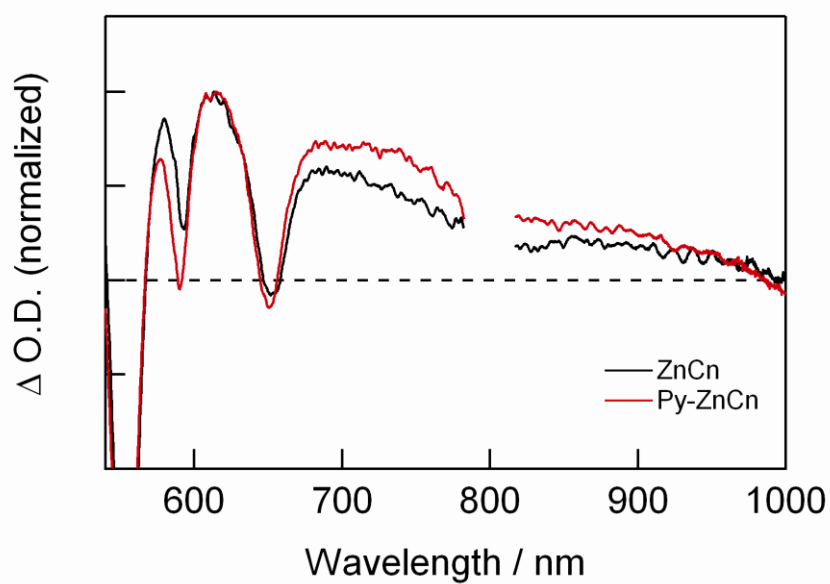


Fig. S2 (a) Transient absorption spectra of ZnCn (0.37 mM) and Py-ZnCn (ZnCn: 0.37 mM, Py: 4.1 mM) in toluene at 2 ps after laser excitation during the laser flash photolysis using 560-nm femtosecond laser pulse.

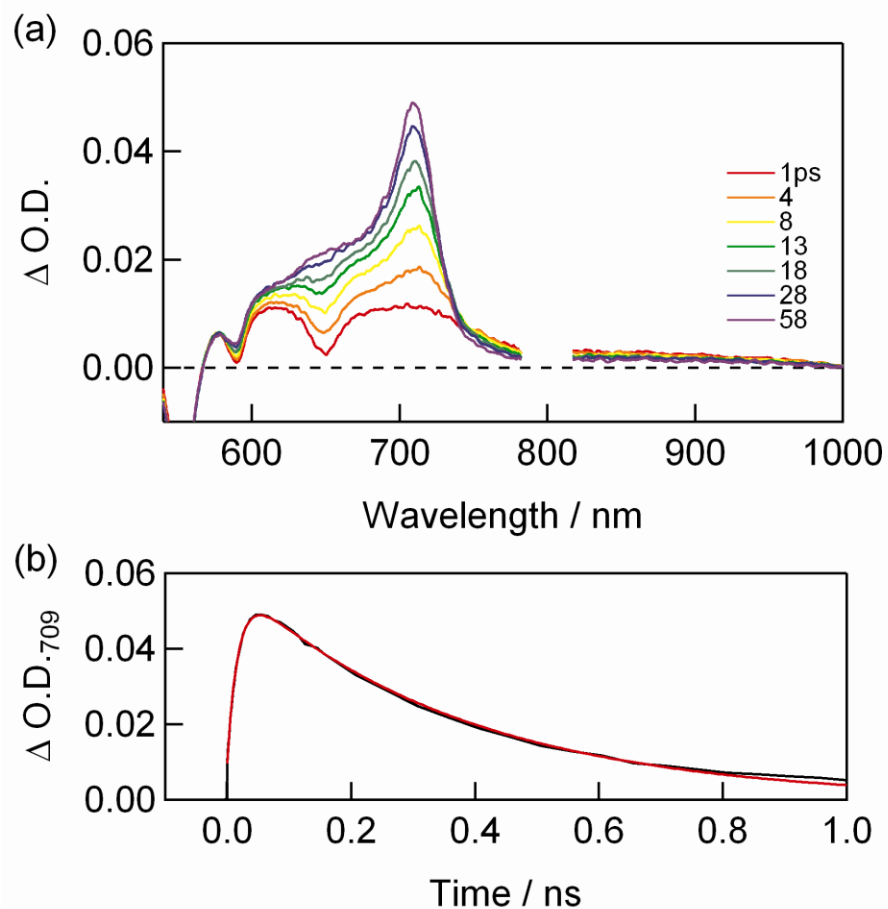


Fig. S3 (a) Transient absorption spectra of PI-ZnCd (ZnCd: 0.37 mM, PI: 3.7 mM) in toluene during the laser flash photolysis using 560-nm femtosecond laser pulse for excitation. (b) Kinetic trace of $\Delta O.D.$ at 709 nm during the laser flash photolysis. Red curve is a fitted curve.