Supplementary Material (ESI) for *PCCP*
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Complementary Supporting Information's

Electron Transfer Reaction of Light Harvesting Zinc Naphthalocyanine–Subphthalocyanine Self-Assembled Dyad: Spectroscopic, Electrochemical, Computational, and Photochemical Studies

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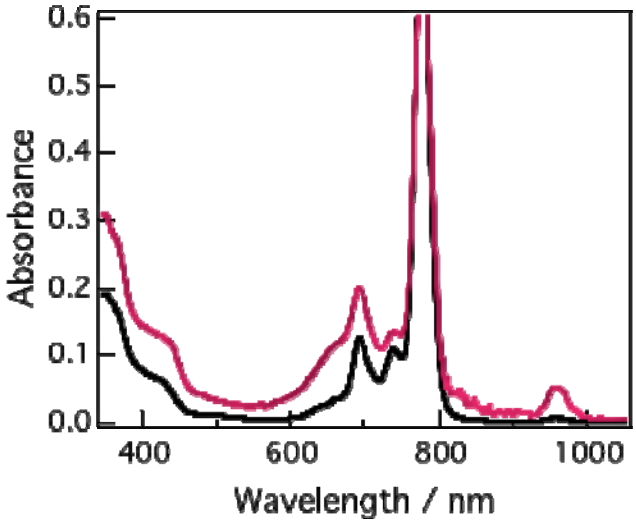


Fig. S1 Absorption profiles of ZnNc in the absence (black) and presence (red) of $[(Ru(bpy)_3]^{3+}$ in dichloromethane.

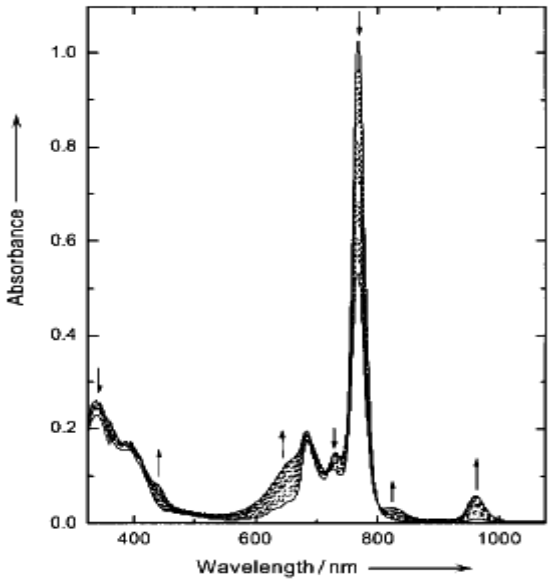


Fig. S2 Spectral changes observed during the first oxidation of ZnNc (3.5 μM) in *o*-dichlorobenzene, 0.1M (TBA)ClO_4. Potential applied 0.8 V *vs.* Ag/$AgNO_3$. (Ref. *ChemPhysChem.* 2003, **4**, 474).

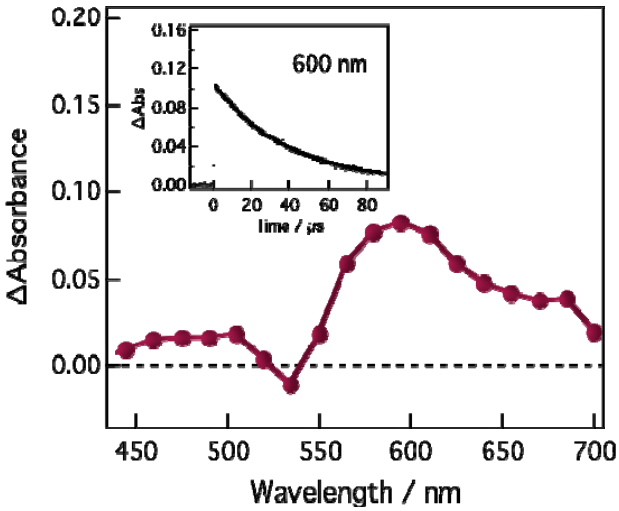
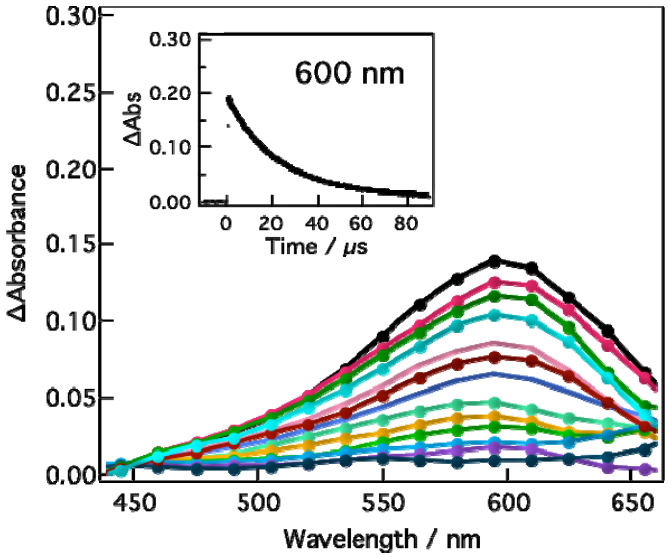


Fig. S3 Nanosecond transient spectra of SubPc(py):ZnNc dyad in *o*-dichlorobenzene; λ_{ex} = 430 nm.



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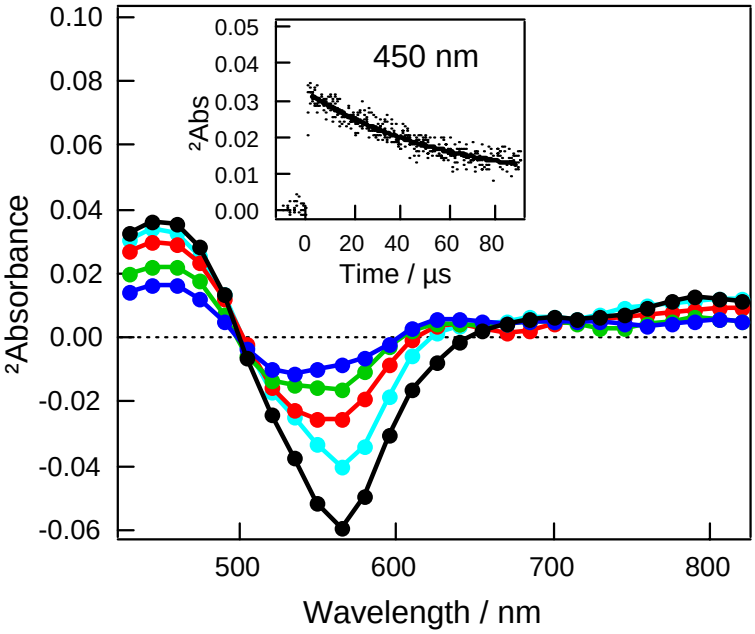
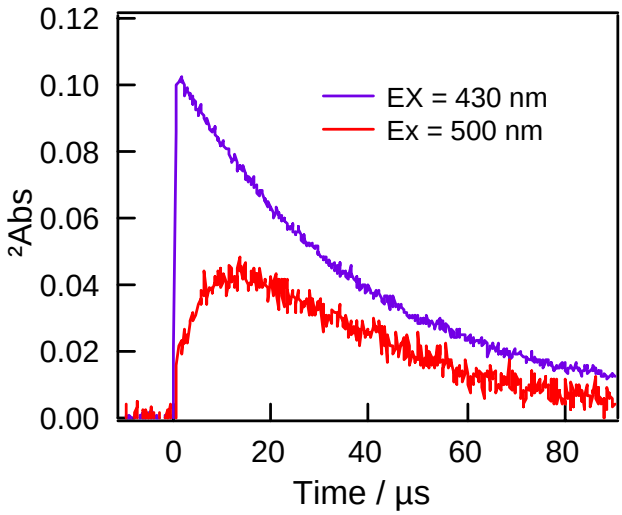


Fig. S5 Nanosecond transient spectra of SubPc(py) in *o*-dichlorobenzene; λ_{ex} = 550 nm.



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