

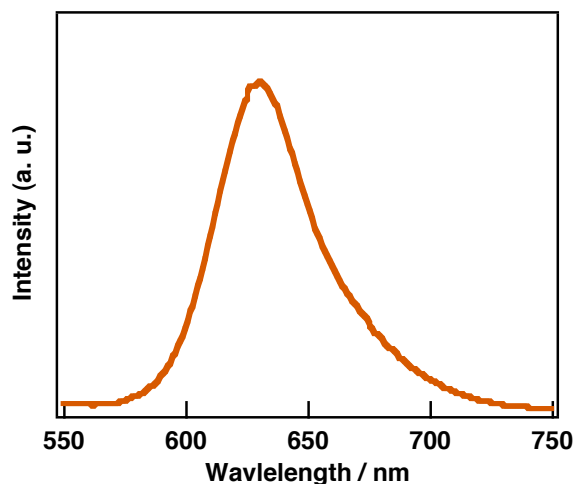
## Supplementary Information

# Excitation energy transfer from non-aggregated molecules to perylene-3,4,9,10-tetracarboxylic diimide nanoribbons via ionic interactions in water

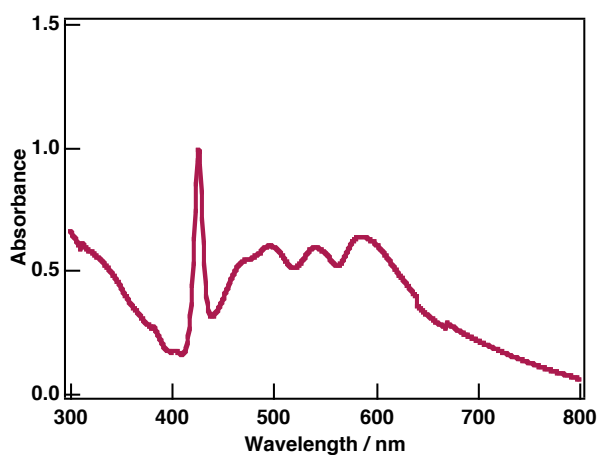
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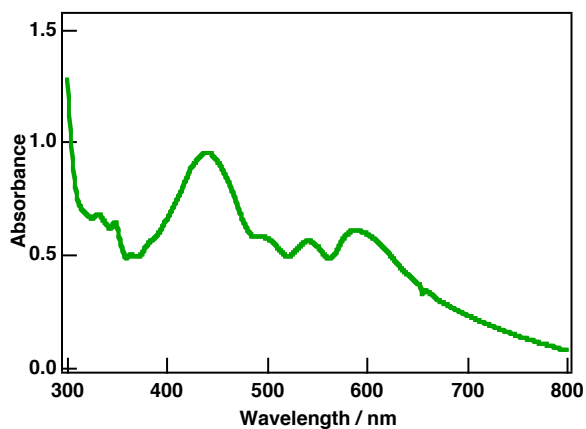
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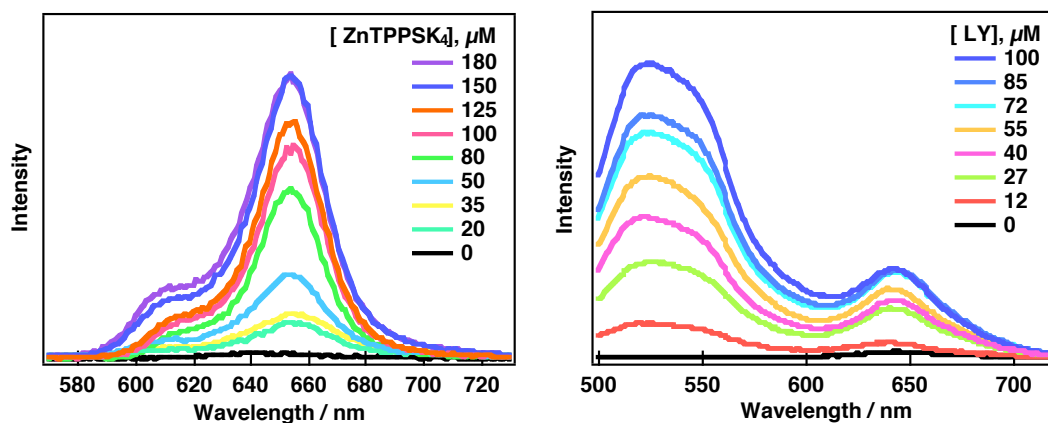
**Fig. S1** Emission spectrum of PDI nanoribbons,  $\lambda_{\text{exc}} = 530$  nm.



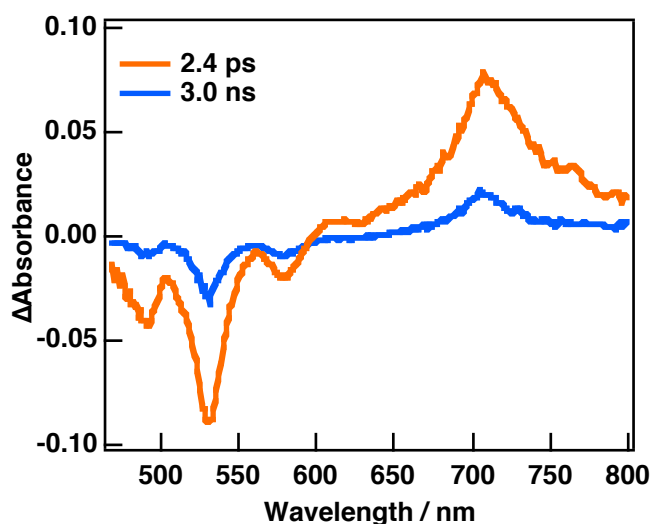
**Fig. S2** Absorption spectrum of ZnTPPSK<sub>4</sub> in the presence of PDI nanoribbons in water containing 0.10 M MTAB.



**Fig. S3** Absorption spectrum of LY in the presence of PDI nanoribbons in water containing 0.10 M MTAB.



**Fig. S4** Emission spectra obtained by the titration of PDI aggregates (ca. 1.2 mg/ml) with ZnTPPSK<sub>4</sub> (left) and LY (right) in water containing 0.10 M MTAB,  $\lambda_{\text{exc}} = 427$  nm.



**Fig. S5** Femtosecond transient absorption spectra of PDI in chloroform at selected time delays,  $\lambda_{\text{exc}} = 390$  nm.