PCCP

Electronic Supplementary Information

The influence of π-conjugation on competitive pathways: Charge transfer or electron transfer in new D-π-A and D-π-Si-π-A dyads

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TABLE

Table S1. Energies (eV) of orbitals calculated by B2LYP/6-31G(d,p) for dyads **1** and **2**.

	dyad 1	dyad 2
L+2	-0.899	-0.733
L+1	-1.859	-1.829
LUMO	-1.990	-1.890
HOMO	-5.370	-5.375
H-1	-5.778	-5.756
H-2	-6.385	-6.631

Figures

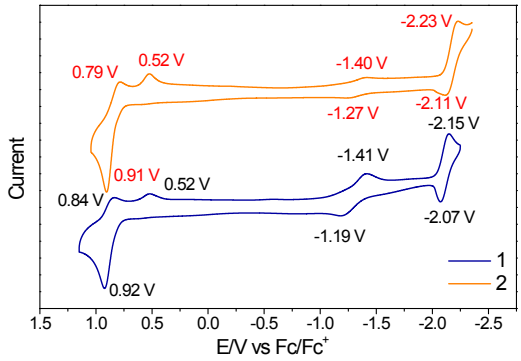

Fig. S1. Cyclic voltammograms of dyads **1** and **2**.

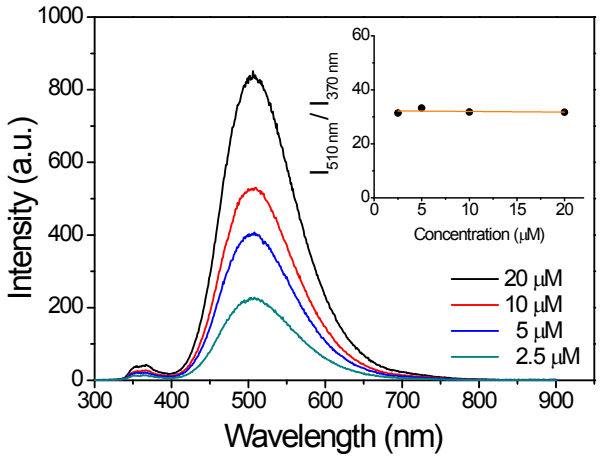

Fig. S2. Dependence of concentration on emission spectra of dyad **2** (2.5–20 μM) in CH_2Cl_2. λ_{ex} = 270 nm. Inset shows the ratio of the emission intensities ($I_{510\ nm}/I_{370\ nm}$).

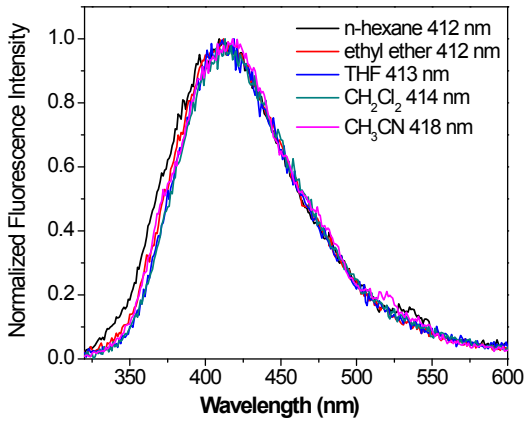

Fig. S3. Emission spectra of triphenyl triazine in various solvents. λ_{ex} = 270 nm.