

Supporting Information

Photophysical and Electrochemical Characterization of BODIPY-Containing Dyads Comparing the Influence of an A-D-A Versus D-A Motif on Excited-state Photophysics

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1. Additional electrochemical analysis

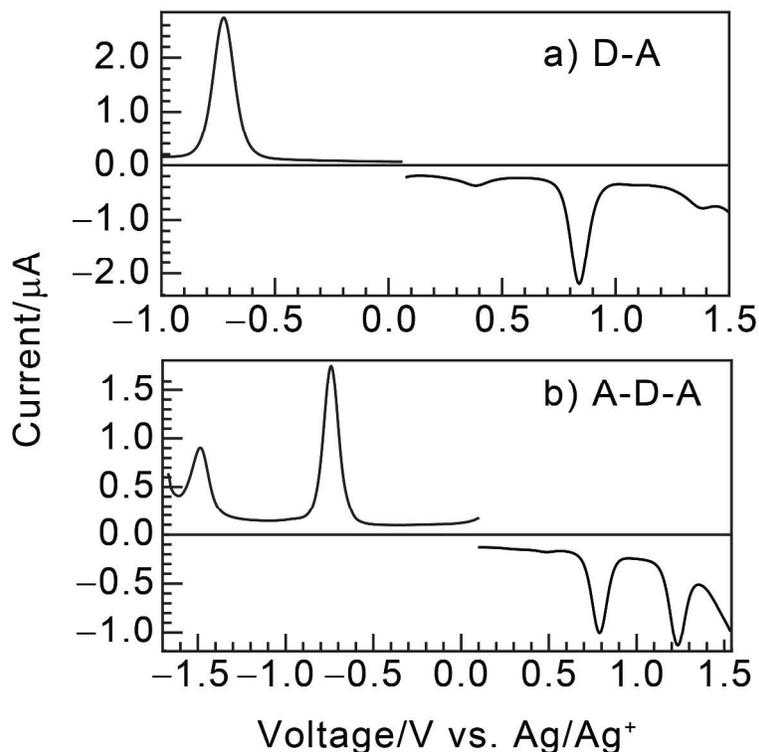


Figure S1. Square wave voltammograms of D, D-A and A-D-A. All data were recorded in 100 mM Bu₄NPF₆ in dichloromethane using a platinum working electrode, Ag wire quasi reference electrode and a platinum wire counter electrode. Ferrocene was added as an internal standard.

Table S1. Peak heights of reductive and oxidative peaks in square wave voltammograms.

Molecule	Height of peak / μA		
	Reductive peak	1 st oxidative peak	2 nd oxidative peak
D-A	2.59	1.89	--
A-D-A	1.61	0.781	0.736

All data were recorded in 100 mM Bu₄NPF₆ in dichloromethane using a platinum working electrode, Ag wire quasi reference electrode and a platinum wire counter electrode. Ferrocene was added as an internal standard.

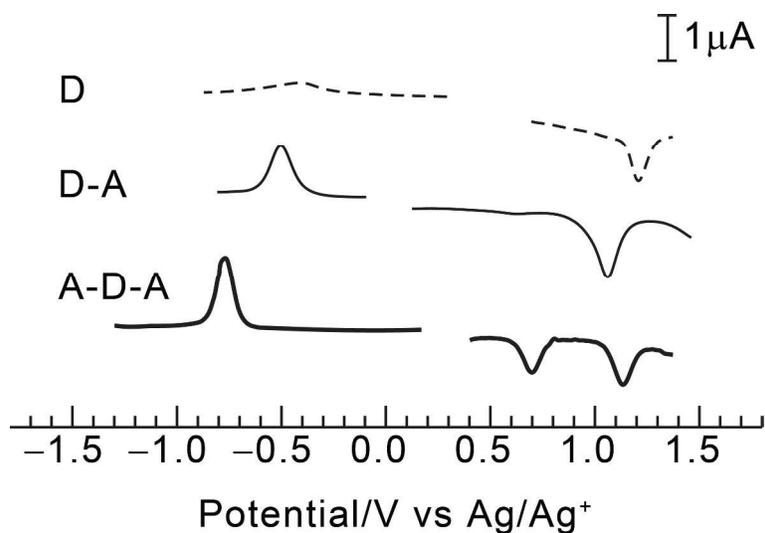


Figure S2. Differential pulse voltammograms of D, D-A and A-D-A. All data were recorded in 100 mM Bu₄NPF₆ in dichloromethane using a platinum working electrode, Ag wire quasi reference electrode and a platinum wire counter electrode. Ferrocene was added as an internal standard.

Table S2. Integration of peak area in differential pulse voltammograms.

Molecule	Integration of peak / nVA		
	Reductive peak	1 st oxidative peak	2 nd oxidative peak
D-A	77.8	91.8	--
A-D-A	166	79.3	87.8

All data were recorded in 100 mM Bu₄NPF₆ in dichloromethane using a platinum working electrode, Ag wire quasi reference electrode and a platinum wire counter electrode. Ferrocene was added as an internal standard.

2. UV-visible absorption spectra of TA samples

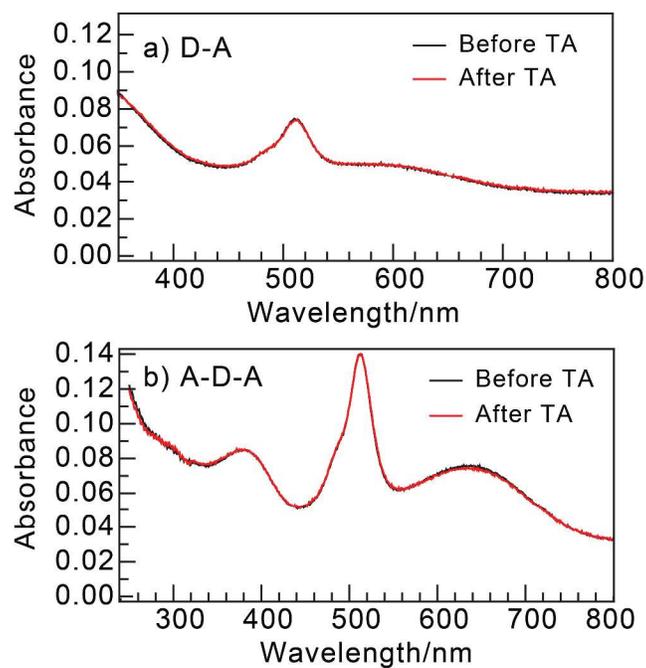


Figure S3. Representative UV-visible absorption spectra of D-A and A-D-A before and after TA spectroscopy demonstrate that no photodegradation occurred over the course of the TA experiments. Samples were prepared in dichloromethane in an inert glovebox environment.

3. Time-resolved photoluminescence kinetic traces

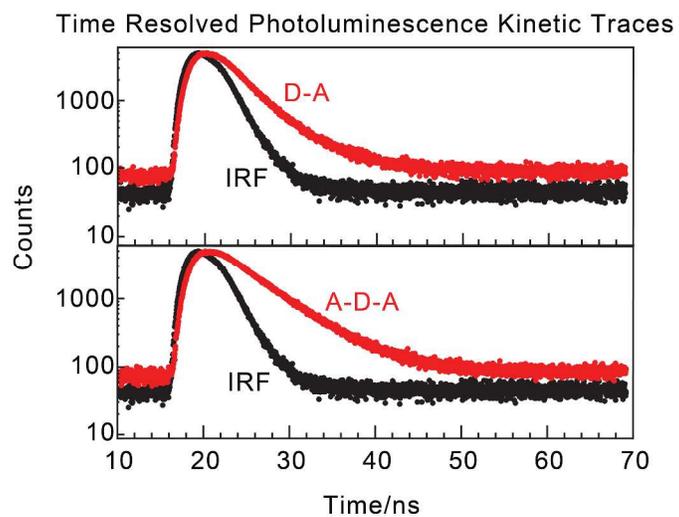


Figure S4. Time-resolved PL traces of D-A and A-D-A collected using TCSPC with a pulsed LED excitation source, shown as the IRF. Samples were prepared in dichloromethane in an inert glovebox environment.