

Electronic Supporting Information

Minimization of Solid - State Conformational Disorder in Donor – Acceptor TADF compounds

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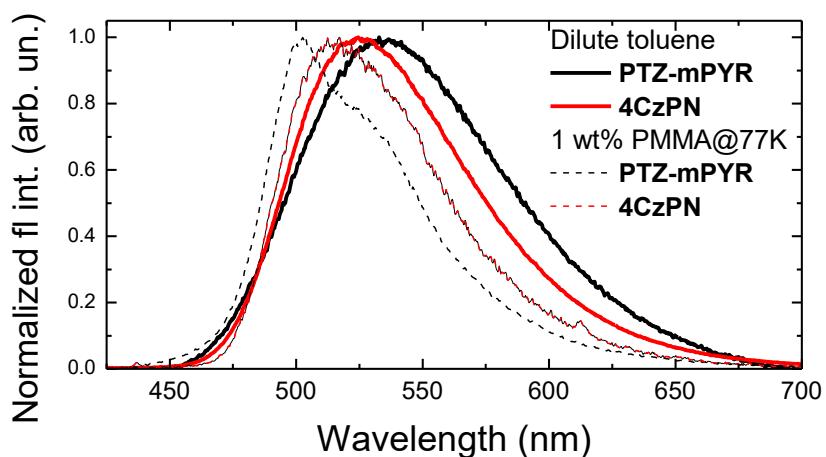


Fig. S1 Normalized time-integrated emission spectra of compounds **PTZ-mPYR** and **4CzPN** in toluene at room temperature (solid lines) and 1 wt% PMMA films at 77K (dashed lines). Fluorescence of only QE states is shown for **PTZ-mPYR**.

Table S1. Fluorescence peak wavelengths of initial (λ_1), the most redshifted (λ_2) and the latest (λ_3) spectra and the sizes of fluorescence redshifts (E_{RED}) and blueshifts (E_{BLUE}) in 1 wt% PMMA films.

	λ_1 (nm)	λ_2 (nm)	λ_3 (nm)	E_{RED} (meV)	E_{BLUE} (meV)
Oxygen-free ambient					
PTZ-mPYR	470	546	527	370	80
4CzPN	495	515	495	100	100
Oxygen-saturated ambient					
PTZ-mPYR	470	546	536	370	40
4CzPN	495	515	495	100	100

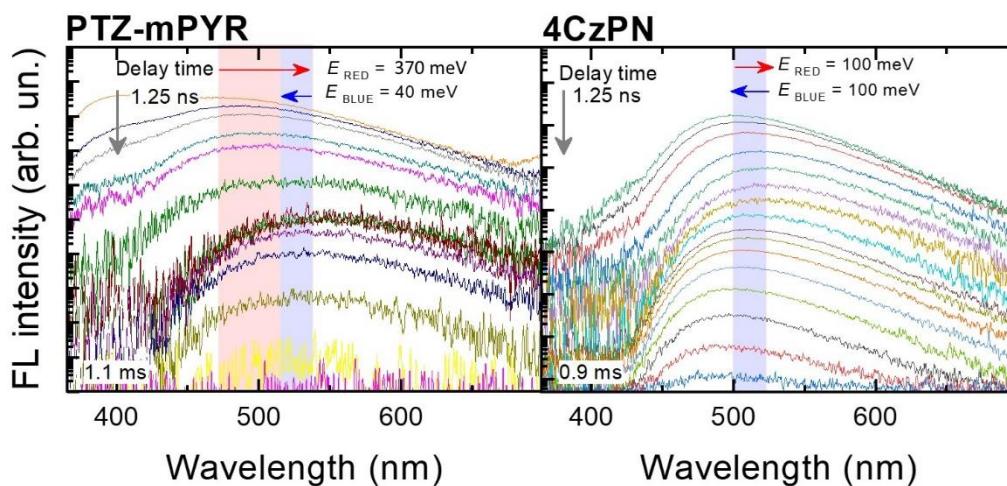


Fig. S2 Time-resolved fluorescence spectra of 1 wt% PMMA films of **PTZ-mPYR** (left picture) and **4CzPN** (right picture) in air ambient.

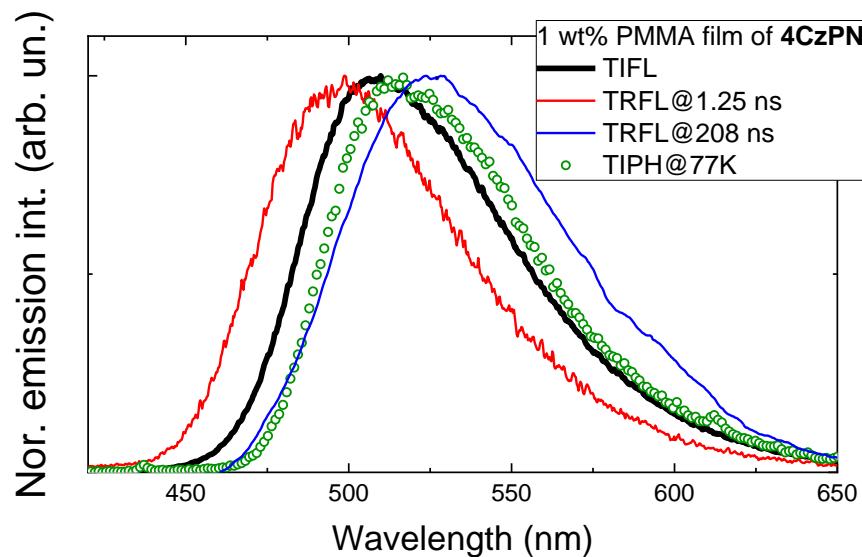


Fig. S3 Normalized emission spectra of 1 wt% PMMA film of **4CzPN**: time-integrated fluorescence spectrum (black line), initial time-resolved prompt fluorescence spectrum at 1.25 ns delay (red line), the latest time-resolved prompt fluorescence spectrum at 208 ns delay (blue line) and time-integrated phosphorescence spectrum at 77K (green circles).

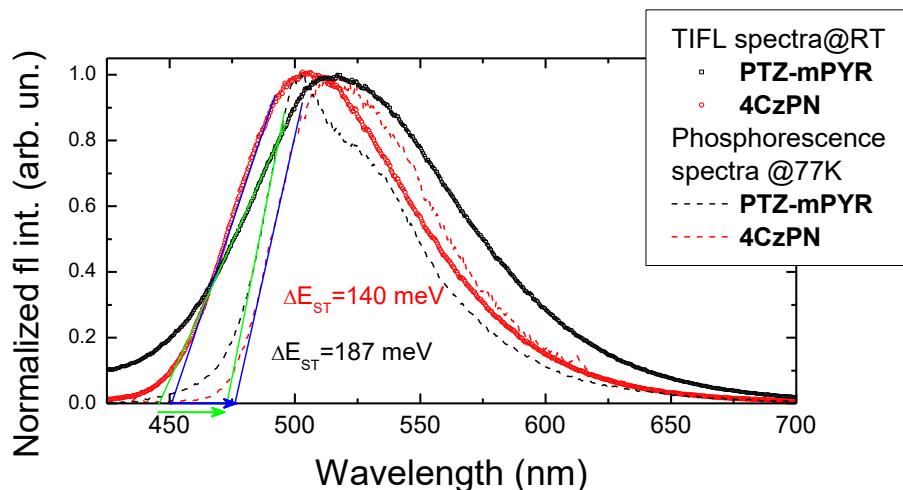


Fig. S4 Normalized time-integrated room-temperature fluorescence and 77K phosphorescence spectra (open points and dashed lines, respectively) of 1 wt% PMMA films of compounds **PTZ-mPYR** and **4CzPN**.

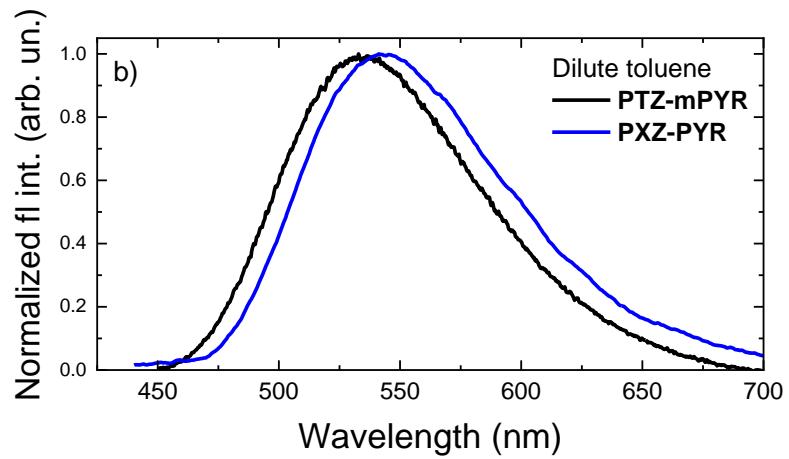


Fig. S5 Normalized time-integrated fluorescence spectra of **PTZ-mPYR** and **PXZ-PYR** in toluene.

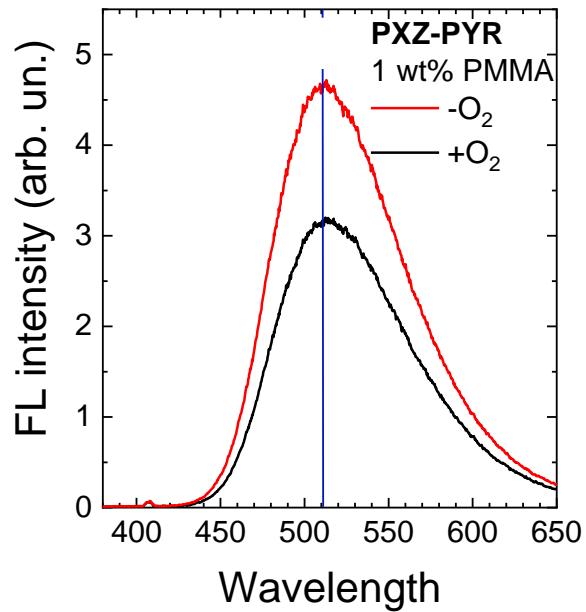


Fig. S6 Time-integrated fluorescence spectra of 1wt% PMMA films of **PXZ-PYR** in oxygen-saturated (black line) and oxygen-free (red line) ambient.