

Electronic Supplementary Information

Thermally cross-linkable thermally activated delayed fluorescence materials for efficient blue solution-processed organic light-emitting diodes

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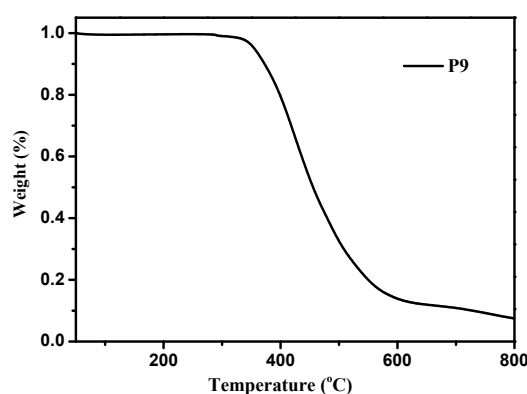


Figure S1. TGA of P9 at a heating rate of 10 °C min⁻¹.

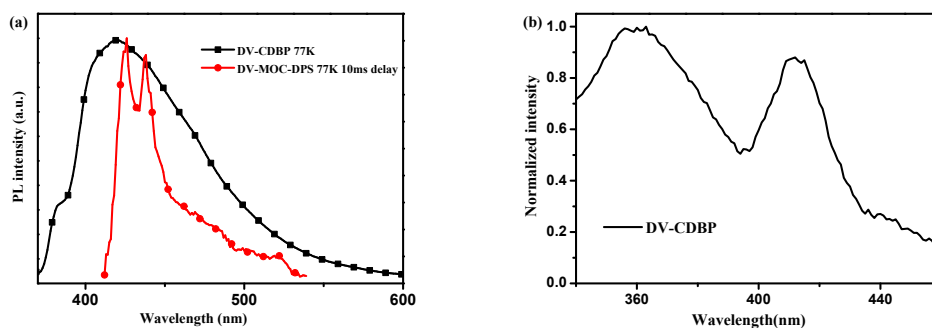


Figure S2. (a) PL spectra of DV-CDBP in toluene at 77K and DV-MOC-DPS at 77K with 10 ms delay; (b) PL spectra of cross-linked DV-CDBP film at 77K.

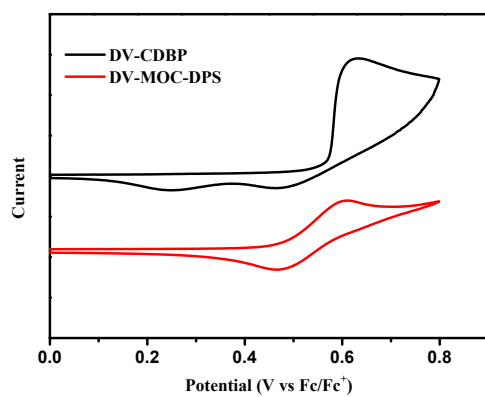


Figure S3. Oxidation part of the CV curves of DV-CDBP and DV-MOC-DPS in dichloromethane.

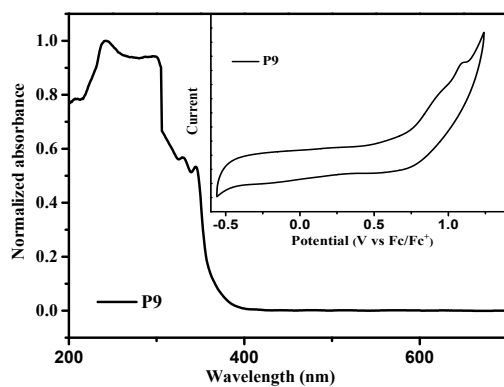


Figure S4. Absorption spectra of P9 in the thin film and Oxidation part of the CV curve of P9 (inset) in dichloromethane.

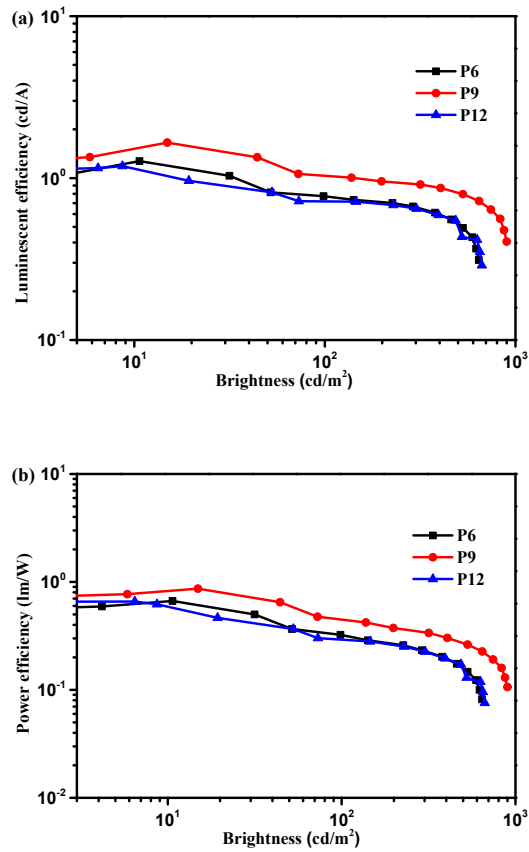


Figure S5. (a) Current efficiency versus luminance for the devices. (b) Power efficiency versus luminance for the devices.

Table S1. Comparison of the devices with P6, P9 and P12 as emitting layers

Emitter	V_{on}^a (V)	λ_{peak}^b (nm)	EQE_{max}^c (%)	CE_{max}^d (cd A^{-1})	PE_{max}^e (lm W^{-1})	CIE $(x, y)^f$
P6	5.3	444	1.4	1.3	0.7	(0.12, 0.13)
P9	5.3	444	2.0	1.6	0.9	(0.12, 0.13)
P12	5.3	448	1.2	1.3	0.7	(0.12, 0.15)

^a The driving voltage at 1 cd m⁻². ^b EL peak wavelength. ^c Maximum external quantum efficiency. ^d Maximum current efficiency. ^e Maximum power efficiency. ^f The Commission Internationale de L'Eclairage coordinates.