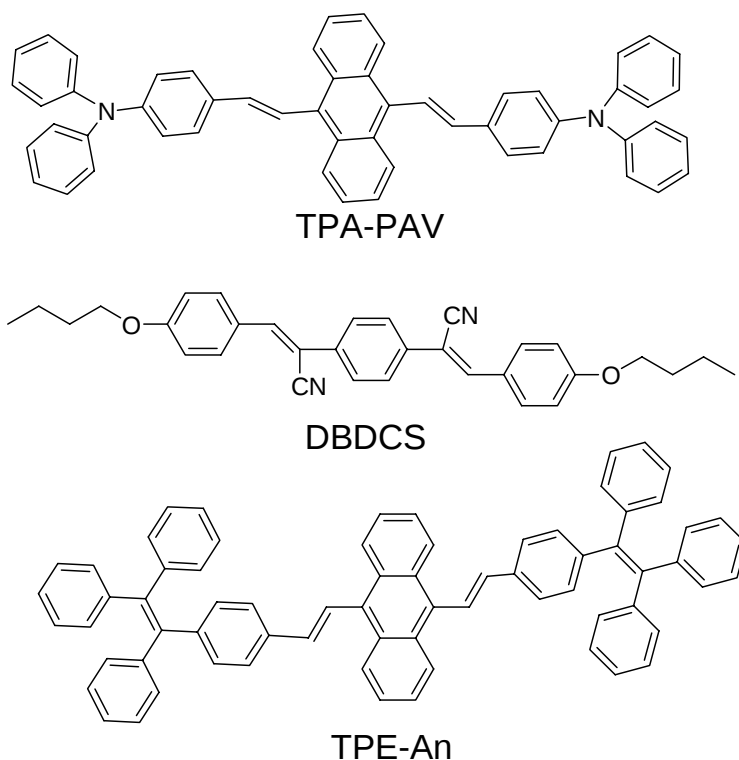


Electronic Supplementary Information (ESI)

Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties

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Scheme S1. Chemical structures of TPA-PAV, DBDCS and TPE-An

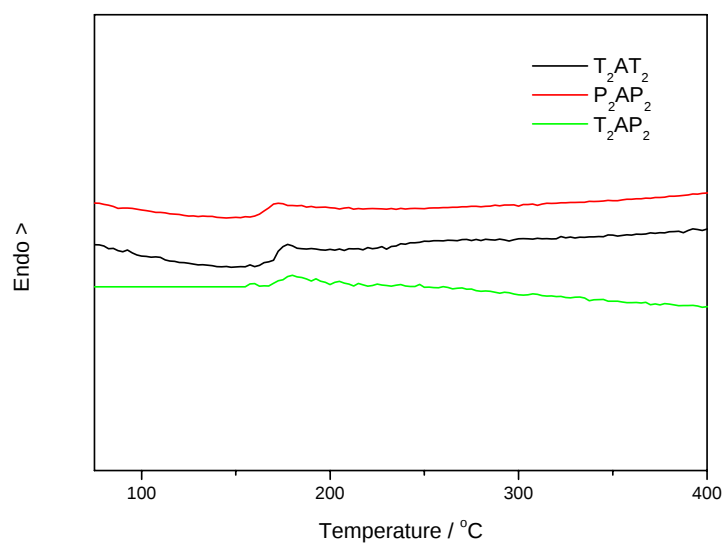


Fig. S1 The DSC curves of the compounds in the second heating runs.

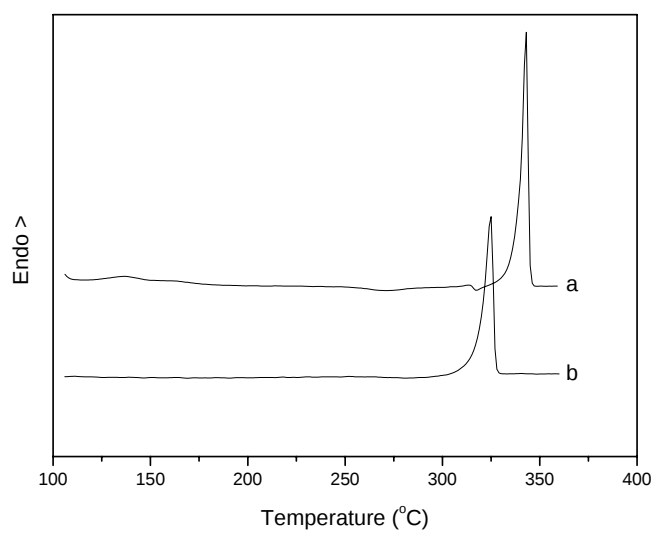


Fig. S2 DSC curves of TPA-PAV in the first (a) and second (b) heating runs.

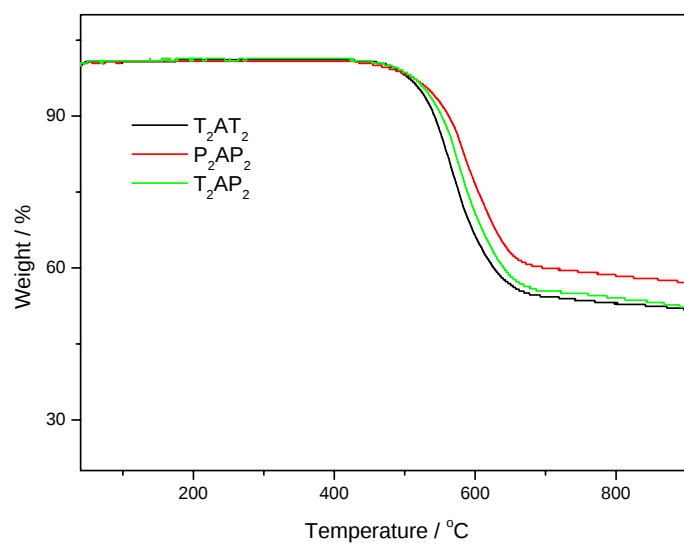


Fig. S3 TGA curves of the compounds.

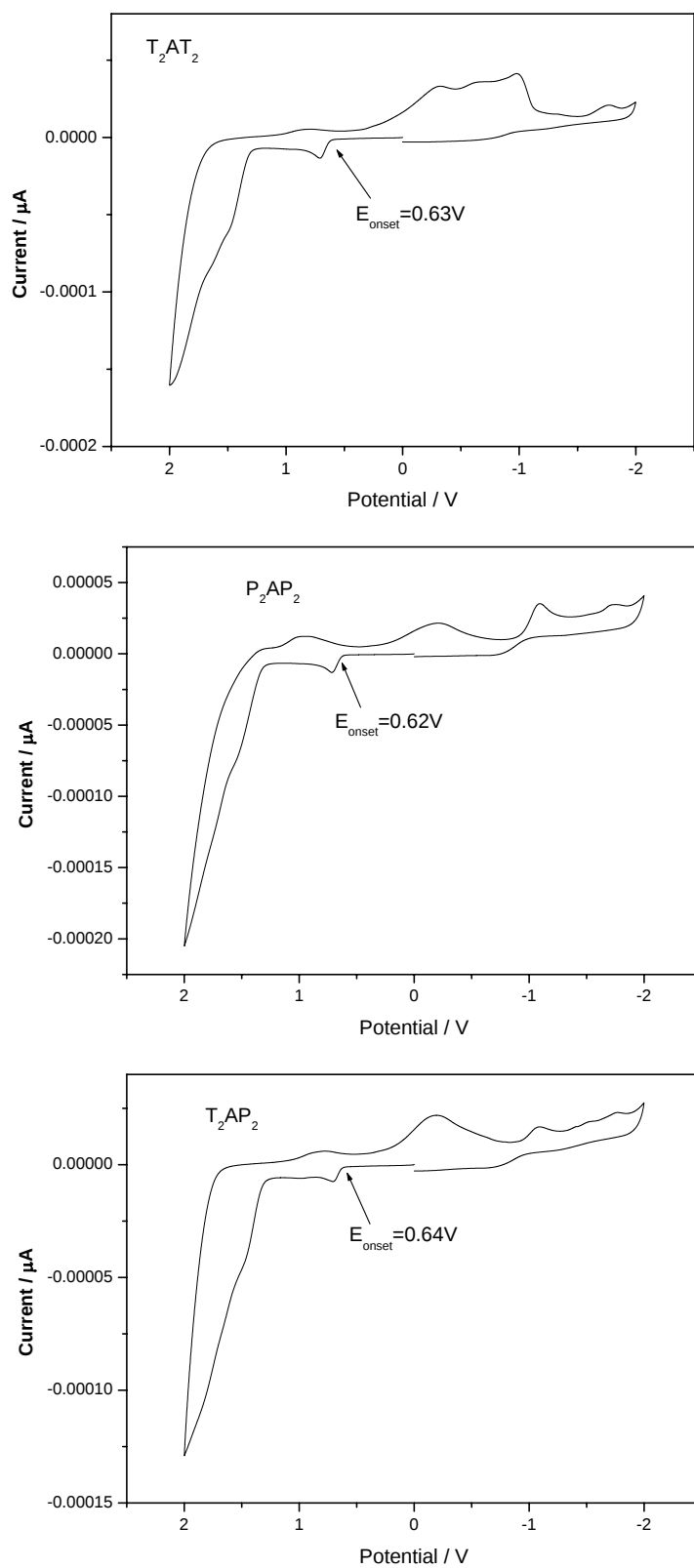


Fig. S4 CV curves of the compounds in dichloromethane.

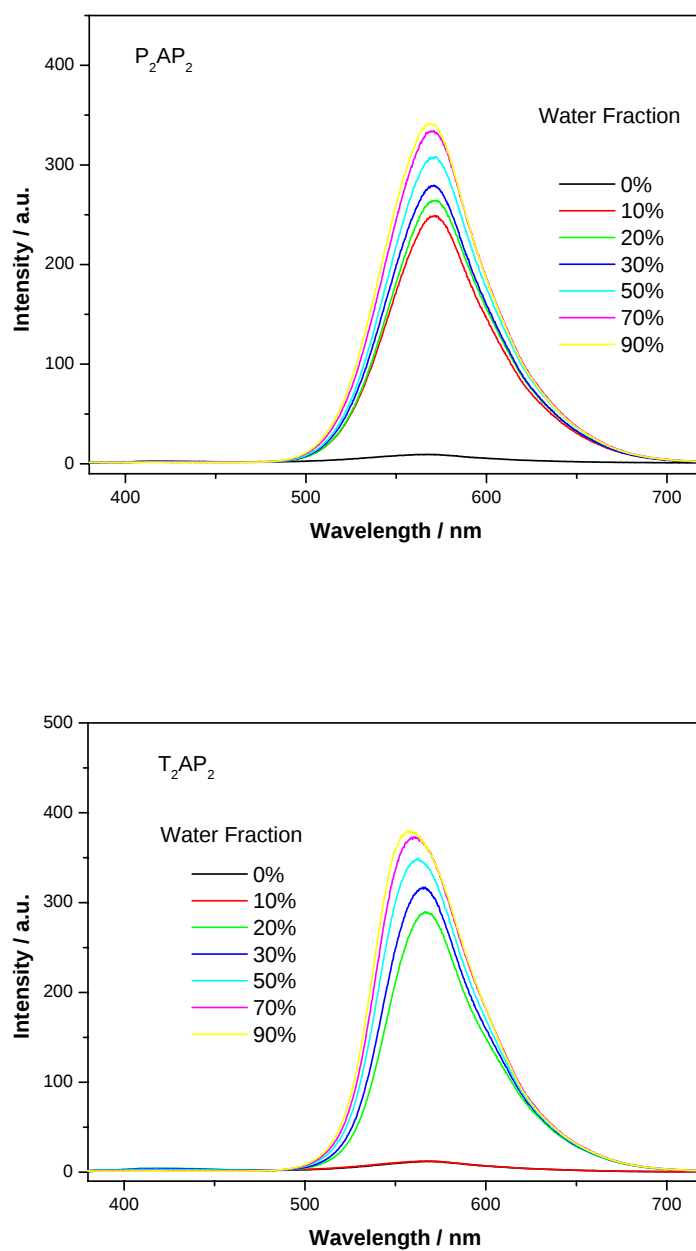


Fig. S5 PL spectra of the dilute solutions of P_2AP_2 and T_2AP_2 in water/DMF mixtures with different water fractions (concentration: 5 μ M; excitation wavelength: 365 nm).

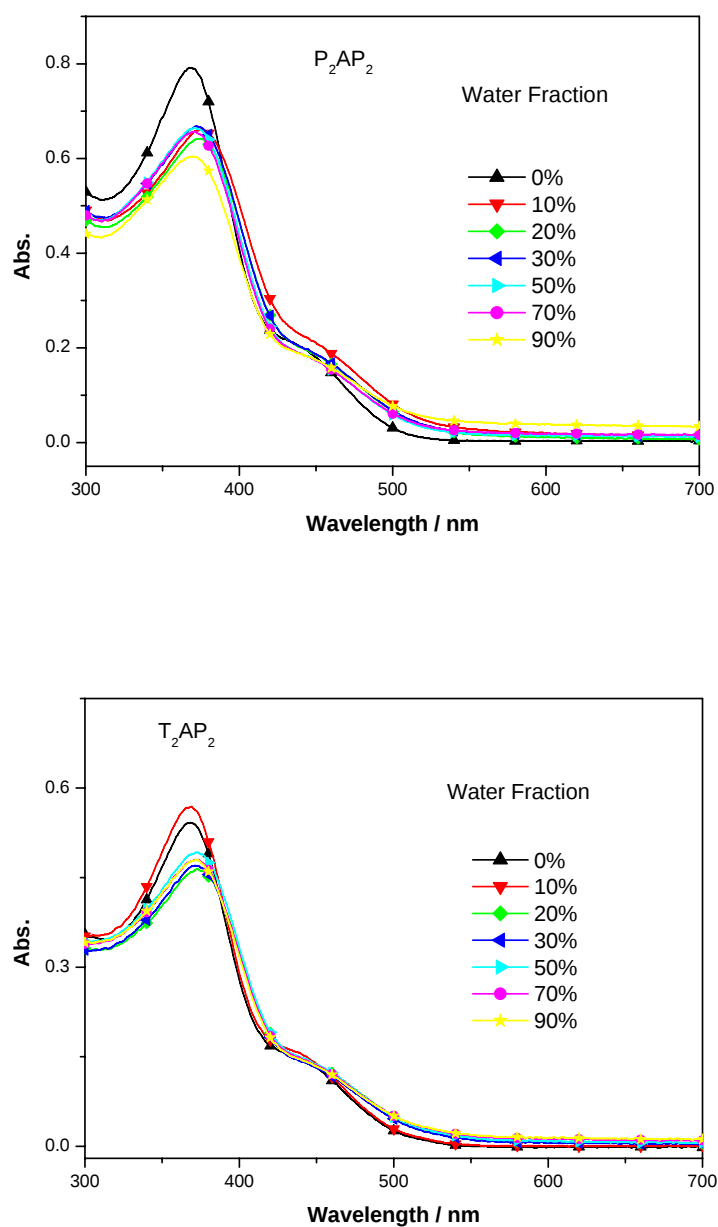


Fig. S6 UV absorption spectra of P_2AP_2 and T_2AP_2 in water/DMF mixtures with different volume fractions of water.

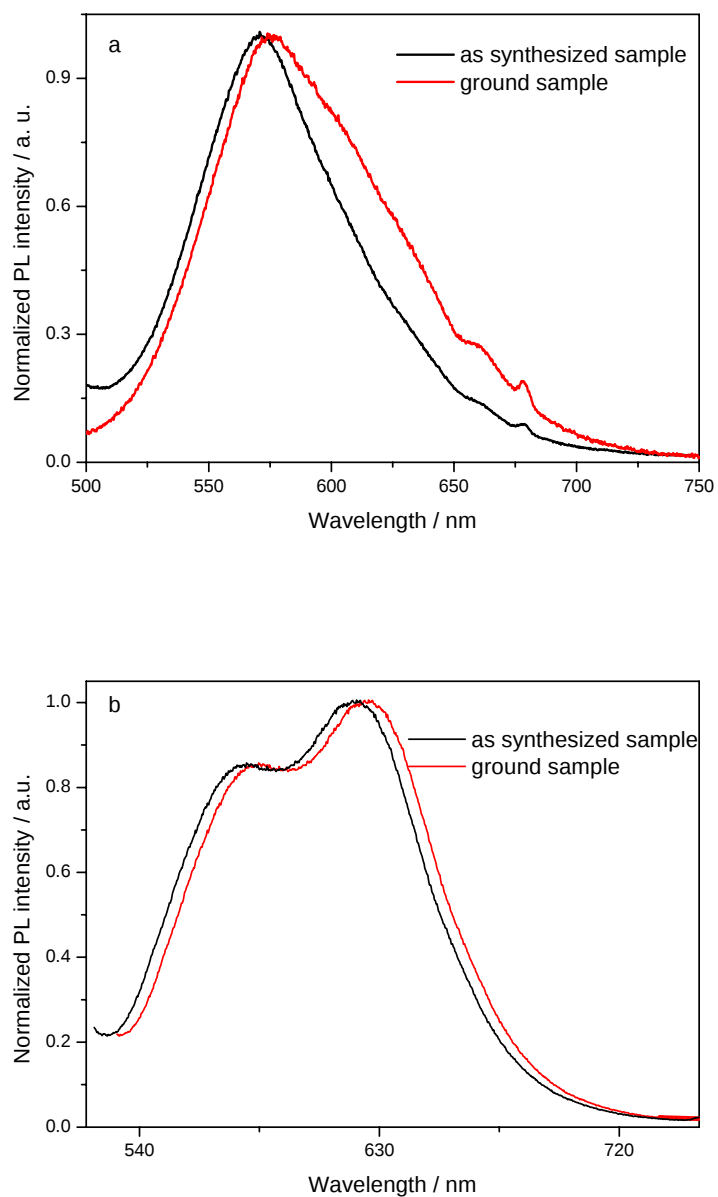


Fig. S7. Normalized PL spectra of T₂AT₂ and T₂AP₂ (excited at 500 nm) under different treatment conditions.

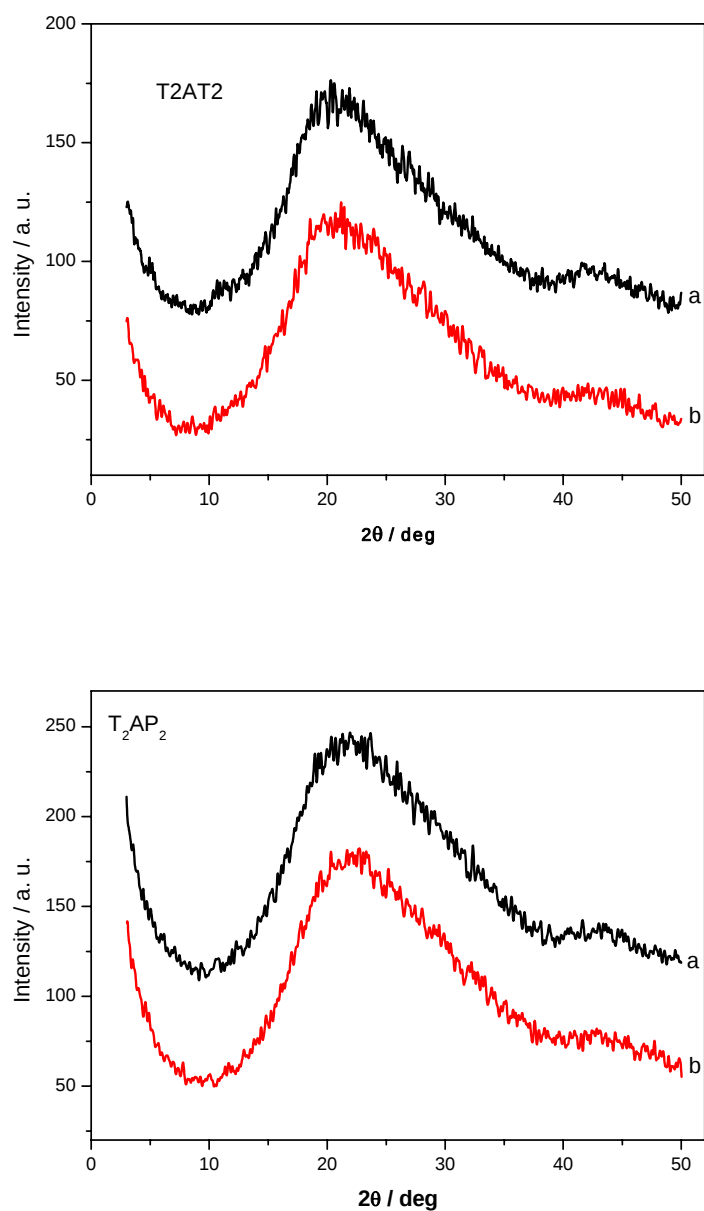


Fig. S8. WXRD of T_2AT_2 and T_2AP_2 : a) as-synthesized sample, and b) ground sample.