

Electronic Supplementary Information

A Simply Systematic Design of Phenylcarbazole Derivatives for Host Materials to High-Efficiency Phosphorescent Organic Light-Emitting Diodes

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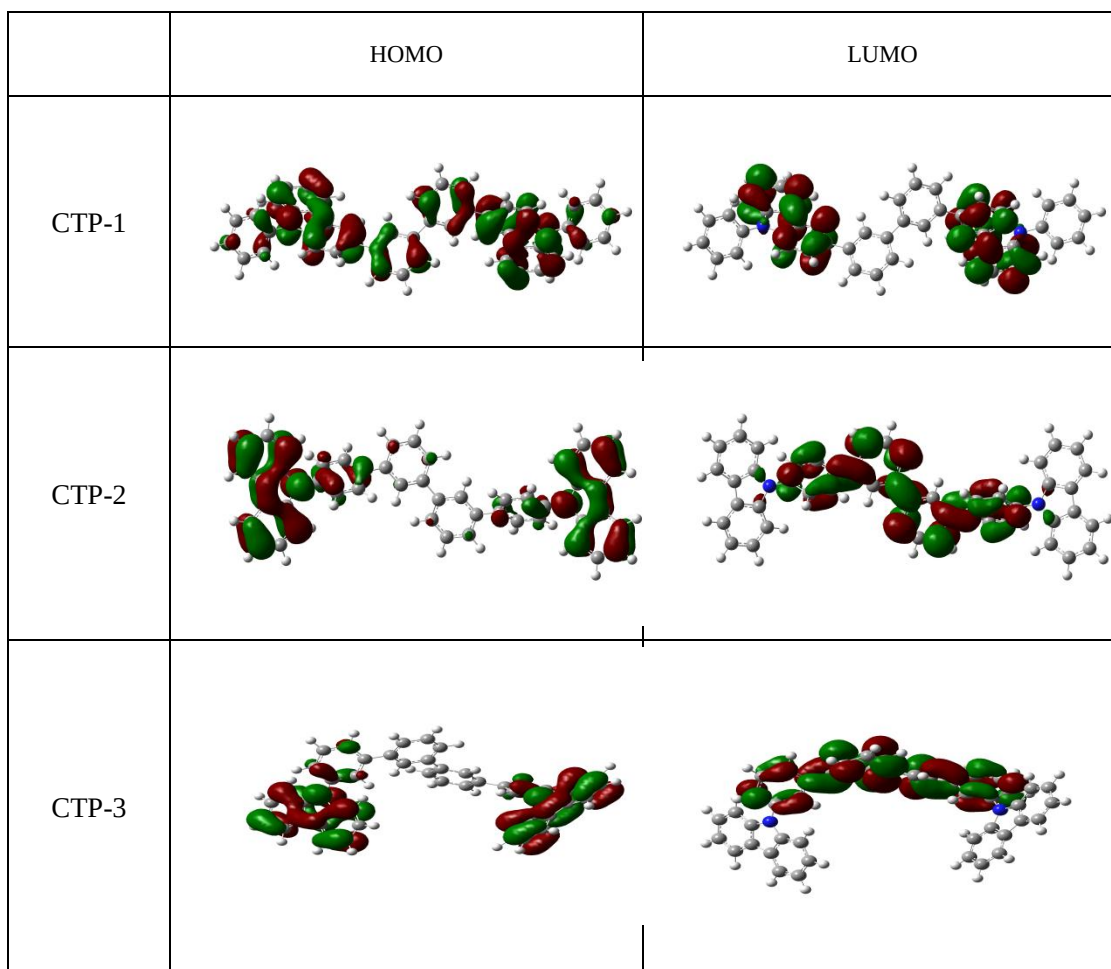


Fig. S1 The molecular-orbital surfaces of HOMO and LUMO of CTP-1, CTP-2 and CTP-3 calculated at the DFT//B3LYP/6-31G level

Table S1 Calculate data of CBP, CTP-1, CTP-2 and CTP-3.

Compound	HOMO/LUMO (eV)	E_g (eV)	E_T (eV)
CTP-1	5.23/0.77	3.49	2.86
CTP-2	5.34/1.28	3.56	2.90
CTP-3	5.33/1.19	3.55	2.92

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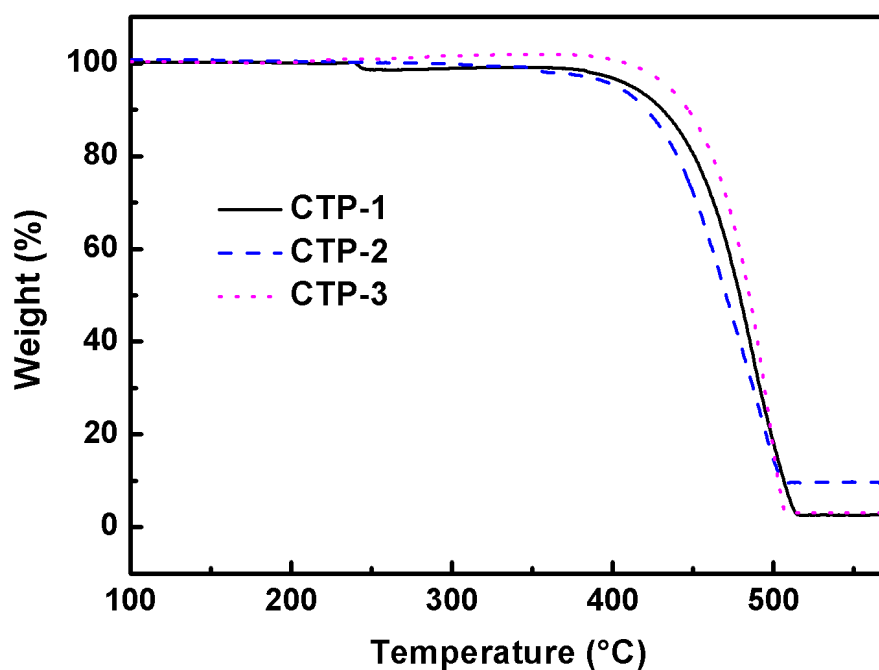


Fig. S2 DSC traces recorded at a heating rate of 10 °C /min.

Materials Used for Fabrication of Devices

