Supporting Information

Arylfluorene based universal hosts for solution-processed RGB and white phosphorescent organic light-emitting devices

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1. Thermal stabilities of AFs/cabazole hybrid compounds

![DSC curves](image)

Fig. S1. The DSC curves of AFs/cabazole hybrid compounds
Fig. S2. The TG curves of AFs/cabazole hybrid compounds.
2. Cyclic voltammetry curves of AFs/cabazole hybrid compounds

Fig. S3. Oxidative and reductive cyclic voltammetry plots of AFs/cabazole hybrid compounds, measured in CH$_2$Cl$_2$ and THF solutions, respectively, with Bu$_4$NPF$_6$ as the electrolyte and ferrocene/ferrocenium (Fe/Fe$^+$) couple as internal reference.
3. Electroluminescent Properties of phosphorescent OLEDs

Fig. S4. Normalized EL spectra of green OLEDs based on AFs/cabazole host materials.

Fig. S5. Device characteristics of the solution-processed green phosphorescent OLEDs based on AFs/cabazole host materials: (a) current density-voltage, (b) luminance-voltage, (c) luminous efficiency-current density and (d) EQE-current density.
Fig. S6. Normalized EL spectra of red OLEDs based on AFs/cabazole host materials.

Fig. S7 Device characteristics of the solution-processed red phosphorescent OLEDs based on AFs/cabazole host materials: (a) current density-voltage, (b) luminance-voltage, (c) luminous efficiency-current density and (d) EQE-current density.
Fig. S8 Normalized EL spectra of white OLEDs based on AFs/cabazole host materials.