

Surporing information

Molecular design approach of increasing the triplet energy of host materials using pyrrole as a core structure

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Table S1. Calculated Gaussian data of PPyCz2, 27PTCz and 36PTCz

Table S1.

	PpyCz2	27PTCz	36PTCz
LUMO	-0.74 eV	-1.20 eV	-1.20 eV
HOMO	-5.52 eV	-5.20 eV	-5.17 eV
Band Gap	4.78 eV	4.00 eV	3.97 eV
Triplet energy	3.18 eV	2.89 eV	3.06 eV

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Figure S2. Mass data of 2,5-Dibromo-1-phenyl-1H-pyrrole.

Figure S3. Mass data of PPyCz2.

Figure S4. a) Power efficiency – luminance curves of PPyCz2. b) Current efficiency – luminance curves of PPyCz2.

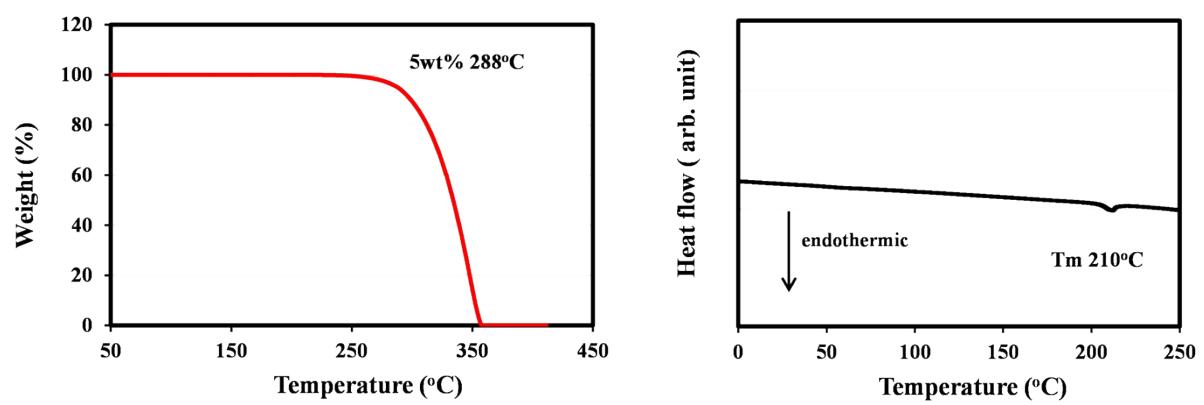


Figure S1.

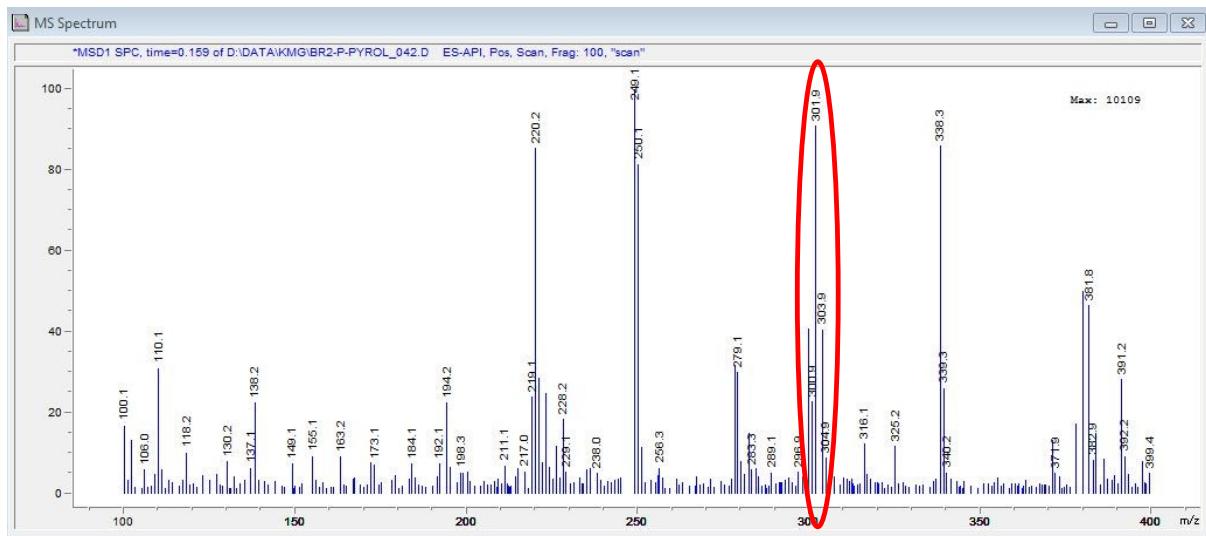


Figure S2.

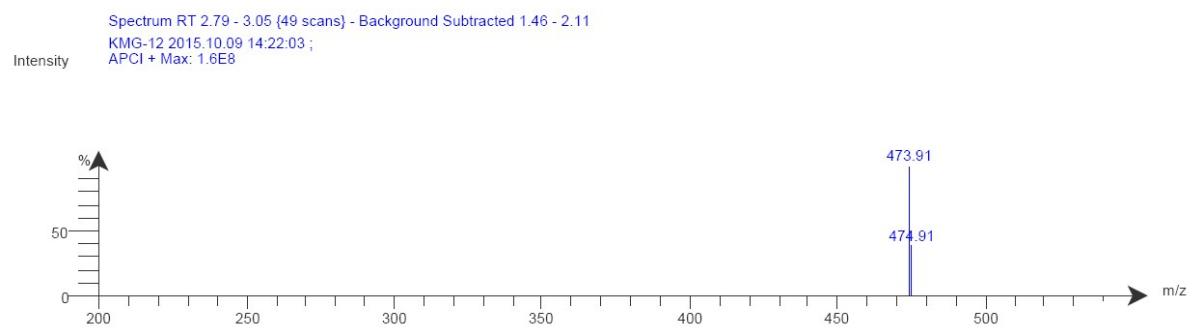


Figure S3.

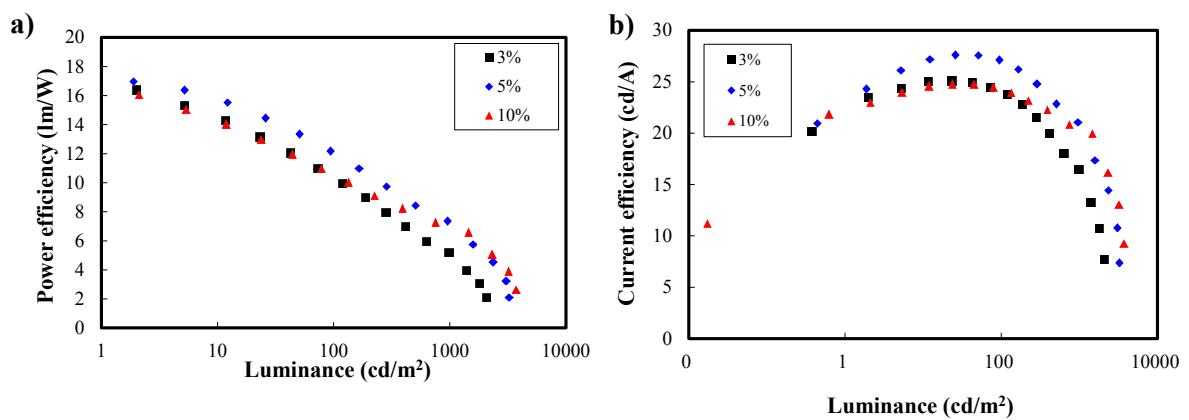


Figure S4.