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Supplementary Information

Rational design and characterization of novel phosphorescent rhenium (I) complexes for extremely high-efficiency organic light-emitting diodes

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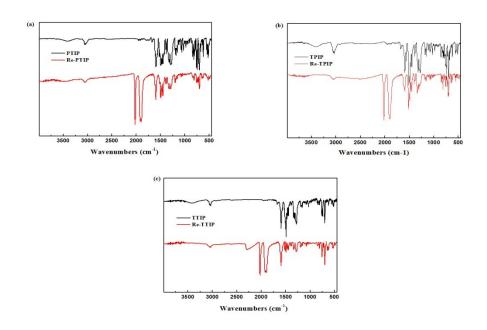


Figure S1 FT-IR spectra of PTIP and Re-PTIP (a), TPIP and Re-TPIP (b), TTIP and Re-TTIP (c).

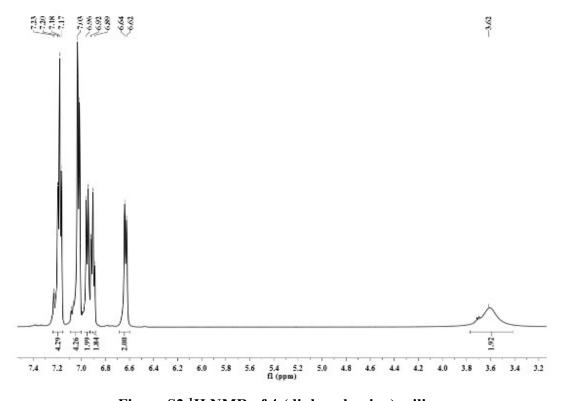


Figure S2 ¹H NMR of 4-(diphenylamino)aniline.

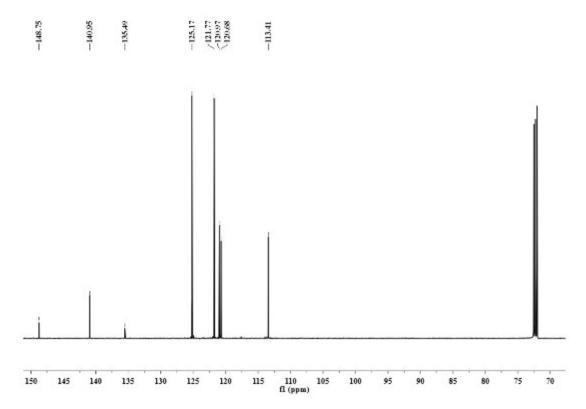


Figure S3 $^{13}\mathrm{C}$ NMR of 4-(diphenylamino)aniline.

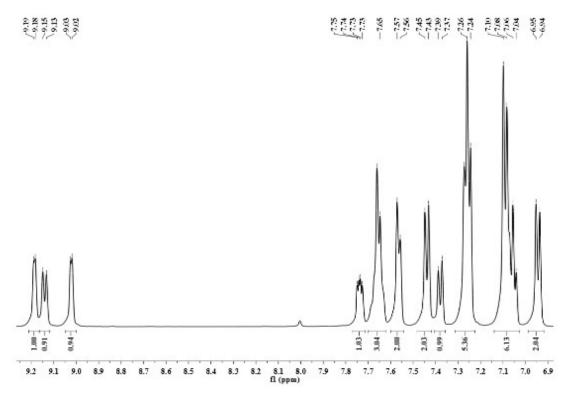


Figure S4 ¹H NMR of PTIP.

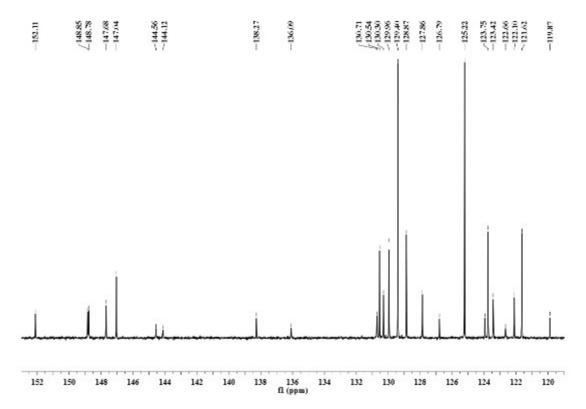


Figure S5 ¹³C NMR of PTIP.

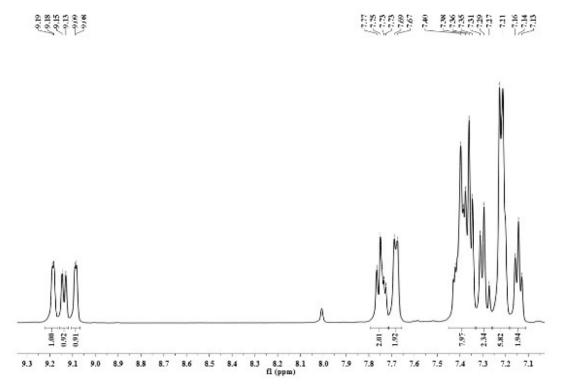


Figure S6 ¹H NMR of TPIP.

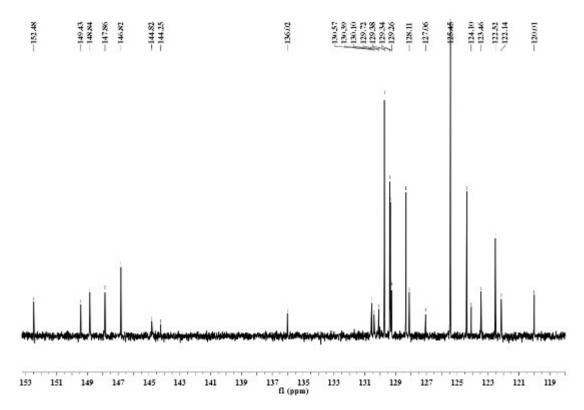


Figure S7 ¹³C NMR of TPIP.

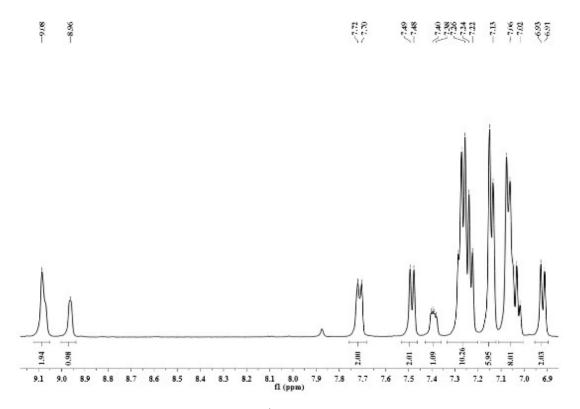


Figure S8 ¹H NMR of TTIP.

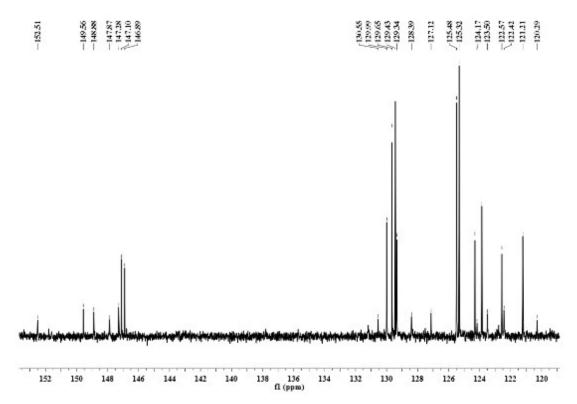


Figure S9 ¹³C NMR of TTIP.

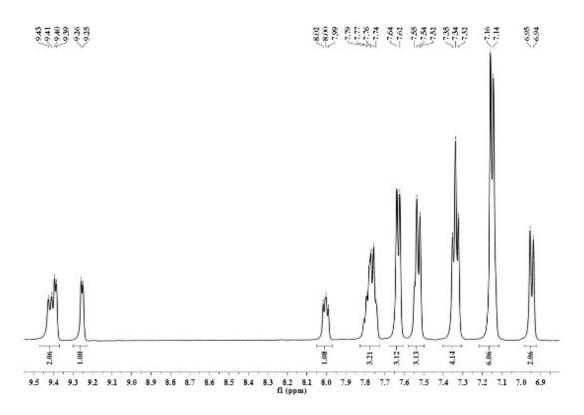


Figure S10 ¹H NMR of Re-PTIP.

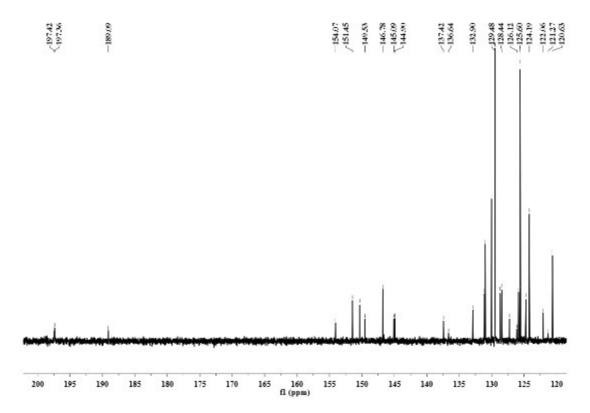


Figure S11 13 C NMR of Re-PTIP.

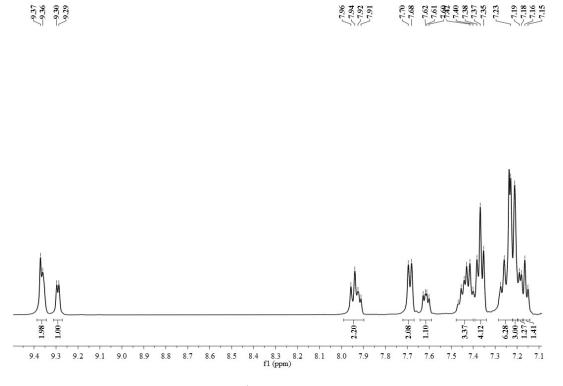


Figure S12 1 H NMR of Re-TPIP.

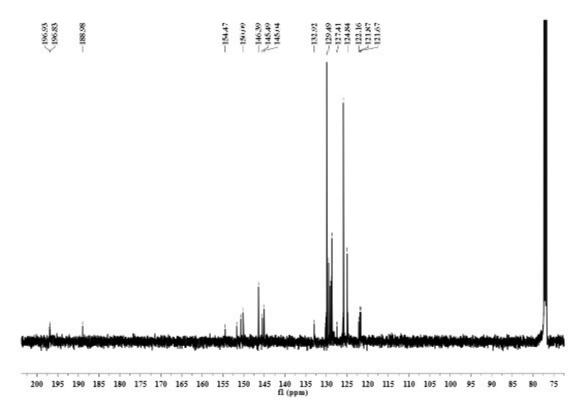


Figure S13 ¹³C NMR of Re-TPIP.

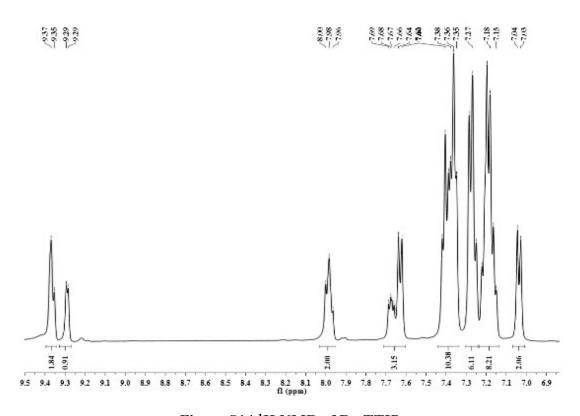


Figure S14 1 H NMR of Re-TTIP.

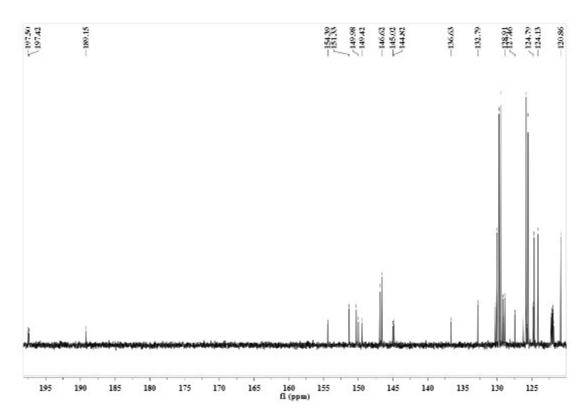


Figure S15 ¹³C NMR of Re-TTIP.