Supporting Information

High-brightness solution-processed phosphorescent OLEDs with pyrimidine-based iridium(III) complexes

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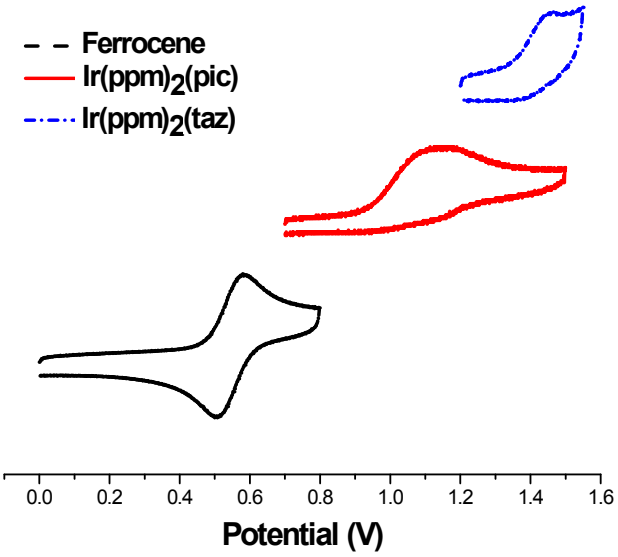

Figure S1. Cyclic voltammetry curves of $Ir(ppm)_2(pic)$ and $Ir(ppm)_2(taz)$ in CH_2Cl_2.

Table S1. Performances of the electrophosphorescent devices A.

Devices A	turn-on Voltage (V)	L_{max} (cd/ m^2)	The maxima of quantum efficiency						CIE(x,y)
			EQE (%)	LE (cd/A)	Roll-Off (%) at20000 cd/m^2	Voltage (V)	CD (mA/cm^2)	L (cd/ m^2)	
1(1%)	6.1	52137.6	9.5	24.9	29.7	8.3	7.8	1950.4	(0.41,0.52)
2(3%)	6.5	112233	10.4	30.6	13.4	8.8	4.2	5546.1	(0.40,0.50)
3(5%)	6.6	80247.5	9.2	28.6	10.8	9.8	12.6	3612.4	(0.42,0.52)
4(7%)	7	99334.5	8.8	28.4	12	9.8	9.7	4872.2	(0.44,0.53)
5(10%)	6.5	89835.6	8	24.9	10	9.5	17.0	6967.5	(0.45,0.53)

Table S2. Performances of the electrophosphorescent devices B.

Devices B	turn-on Voltage (V)	L_{max} (cd/ m^2)	The maxima of quantum efficiency						CIE(x,y)
			EQE (%)	LE (cd/A)	Roll-Off (%) at 20000 cd/ m^2	Voltage (V)	CD (mA/cm^2)	L (cd/ m^2)	
1(1%)	5.3	74092.3	7.23	25.68	19.9	7.96	18.12	4653.9	(0.33,0.59)
2(3%)	5.5	101953	10.3	36.62	14.4	7.96	9.65	3533.9	(0.35,0.60)
3(5%)	4.4	89098.7	9.69	34.99	20.8	7.04	1.23	431.1	(0.35,0.60)
4(7%)	5	125072	17.3	40.4	14.7	7.35	5.05	3043.2	(0.35,0.60)
5(10%)	3.9	106567	10.2	36.2	10.3	7.35	12.94	4687.1	(0.36,0.60)