

## **Highly phosphorescent green emitting iridium(III) complex for application in OLEDs**

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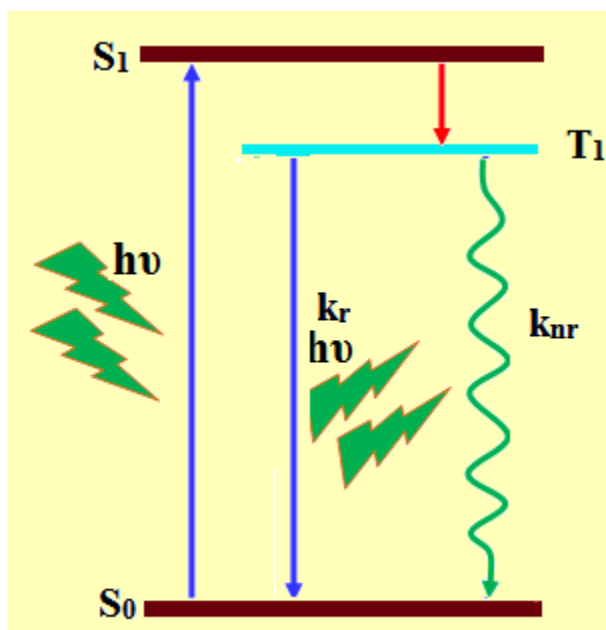
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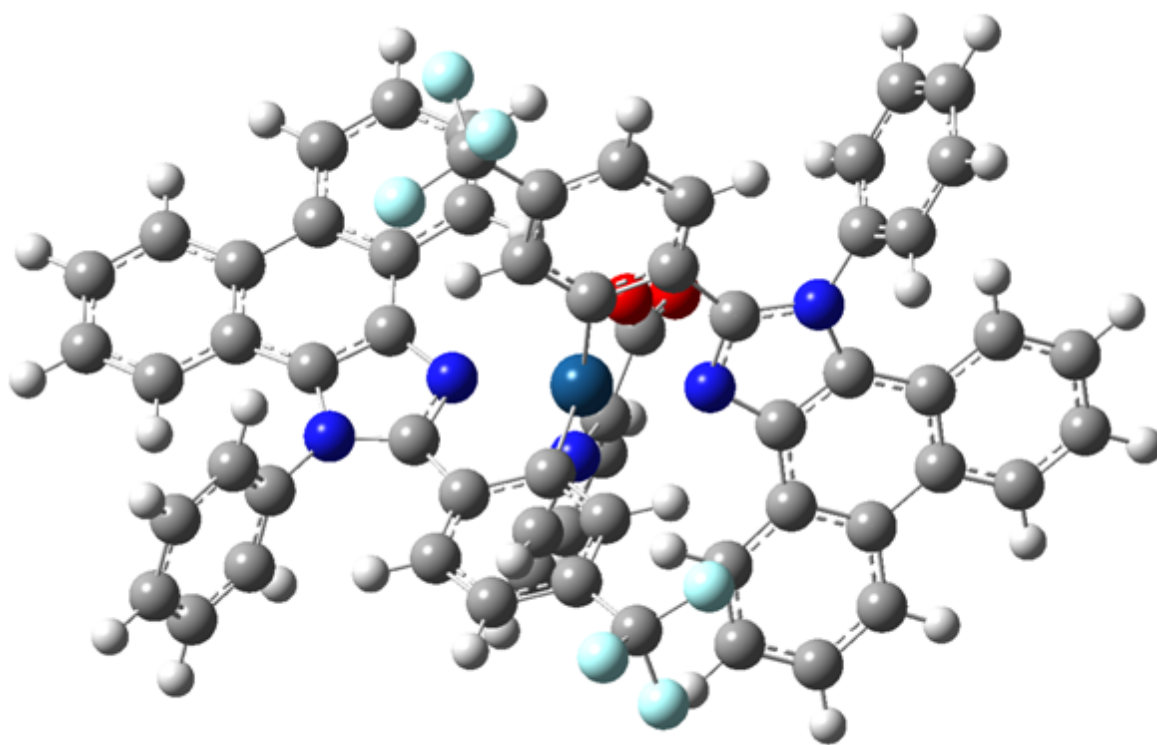
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**Figure S1.** Schematic representation of emission kinetics



**Figure S2.** Optimized structure of Ir(tmpp)<sub>2</sub> (pic)

**Table S1.** XYZ coordinates of complex Ir(tmpp)<sub>2</sub>(pic).

77	0.075453	-0.063582	-0.250610
6	-0.437265	-1.487110	1.069281
6	-1.382008	-3.563204	2.799950
6	0.453244	-2.209296	1.898149
6	-1.829089	-1.821739	1.154437
6	-2.290305	-2.853255	2.008613
6	-0.011961	-3.228702	2.745658
1	1.509523	-1.961936	1.890597
6	0.227452	1.346285	1.188785
6	0.741049	3.481593	3.016393
6	1.553425	1.829615	1.424170
6	-0.824117	1.956659	1.903233
6	-0.569638	3.003793	2.806286
6	1.803947	2.891422	2.324124
1	2.808683	3.254897	2.501781
7	-0.039747	-1.217881	-2.094615
6	-0.205660	-2.413219	-4.628902
6	-0.636190	-2.429054	-2.245655
6	0.455089	-0.576811	-3.194483
6	0.399613	-1.156065	-4.471344
6	-0.742284	-3.054416	-3.494978
1	0.824141	-0.596417	-5.297812
1	-1.226222	-4.023198	-3.570153
1	-0.264748	-2.880427	-5.607984
1	-3.340960	-3.104532	2.072843
1	-1.844110	1.617557	1.760801
6	-2.642415	-0.945426	0.320670
6	-3.031698	0.811437	-1.002622
7	-4.008618	-0.890616	0.114365
7	-2.023606	0.054215	-0.370408

6	-4.273551	0.209181	-0.731379
6	2.550975	1.047908	0.702286
6	4.395775	0.133440	-0.222445
7	2.149392	-0.097749	0.089007
6	3.294250	-0.707065	-0.444567
7	3.907765	1.231178	0.521595
6	1.017284	0.823556	-2.990673
8	1.582437	1.407766	-3.950747
8	0.813736	1.316745	-1.779618
6	4.636122	2.408167	0.938373
6	6.020258	4.709635	1.740167
6	5.389519	2.383579	2.125564
6	4.564574	3.568629	0.146830
6	5.260248	4.722146	0.553456
6	6.084549	3.539959	2.524640
1	5.428819	1.475675	2.721018
1	3.972686	3.561098	-0.764345
6	-4.974731	-1.763454	0.741845
6	-6.838909	-3.457755	1.975953
6	-5.302816	-2.990523	0.138244
6	-5.569120	-1.373485	1.955652
6	-6.504454	-2.225015	2.571763
6	-6.237630	-3.839004	0.759394
1	-4.835965	-3.269143	-0.802301
1	-5.301889	-0.421001	2.404424
1	-1.014859	-2.896495	-1.343629
1	6.555642	5.602688	2.052127
1	-7.560502	-4.114514	2.454756
1	6.668534	3.528255	3.441027
1	-6.494777	-4.788598	0.297847
1	-6.965916	-1.928642	3.509706
1	5.207209	5.622853	-0.051975

6	-5.524173	0.681211	-1.281062
6	-5.460603	1.861704	-2.097437
6	-2.958865	2.042384	-1.764307
6	-4.183453	2.560066	-2.309242
6	-4.122756	3.777860	-3.042563
1	-5.025759	4.204614	-3.463613
6	-2.922035	4.462483	-3.228722
1	-2.908777	5.390623	-3.794618
6	-1.727369	3.951595	-2.671250
1	-0.785947	4.475950	-2.807500
1	-0.826109	2.384949	-1.533458
6	-1.750894	2.762823	-1.944185
1	-6.657421	3.214281	-3.309799
6	-6.670473	2.332640	-2.680064
1	-8.794067	2.077070	-2.935650
6	-7.889872	1.689251	-2.473781
1	-8.890940	0.022119	-1.499240
6	-7.944668	0.530466	-1.664705
1	-6.844947	-0.854714	-0.474244
6	-6.779614	0.036625	-1.081450
1	0.925561	4.288201	3.719309
1	-1.729283	-4.348460	3.463796
6	5.713706	-0.148592	-0.742461
6	5.873315	-1.389014	-1.453394
6	4.757902	-2.342830	-1.559967
6	3.461316	-2.008962	-1.046300
1	1.477777	-2.733574	-0.601484
6	2.425578	-2.978055	-1.059498
1	1.831643	-4.975186	-1.605127
6	2.630749	-4.238486	-1.614863
1	4.058901	-5.546934	-2.603151
6	3.891229	-4.564197	-2.169913

1	5.894864	-3.927227	-2.531306
6	4.930389	-3.634323	-2.132252
1	7.294606	-2.587030	-2.582904
6	7.144891	-1.669751	-2.025099
1	9.176993	-1.034195	-2.354587
6	8.219671	-0.790079	-1.901647
1	8.890157	1.113999	-1.092832
6	8.057814	0.422094	-1.190700
1	6.716992	1.674105	-0.098454
6	6.824072	0.735719	-0.623905
6	-1.700713	3.659873	3.535096
6	0.960308	-4.015645	3.569033
9	-1.387478	3.964360	4.875587
9	-2.868095	2.879547	3.574001
9	-2.091239	4.894649	2.962269
9	0.419723	-4.449695	4.793646
9	2.130455	-3.308401	3.880406
9	1.396748	-5.198971	2.918871