

Supporting Information

Ir(ppy)₃ phosphorescent microrods and nanowires: a promising micro-phosphor

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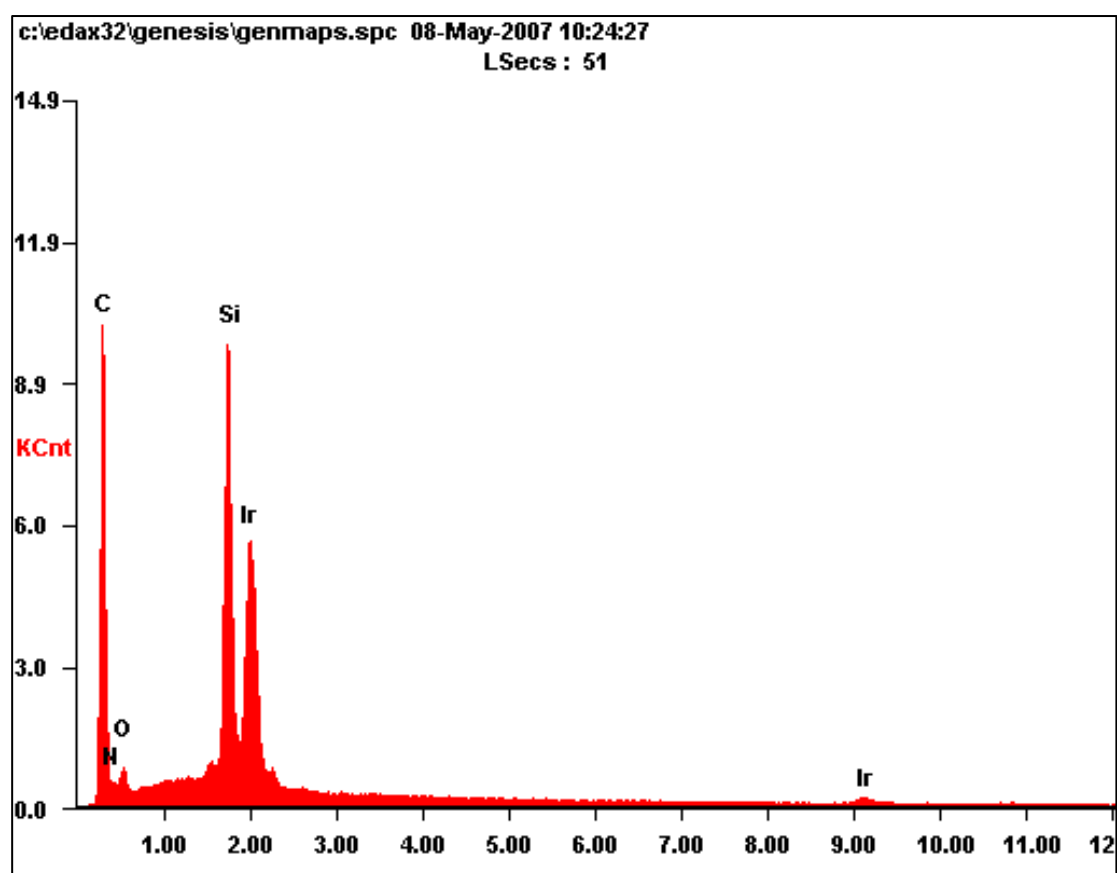


Fig. S1 The energy dispersive X-ray (EDX) spectrum of the microrods. The peak of Si arises from the Si grid for SEM characterization. The presence of O comes mainly from atmospheric contamination due to exposure of the sample to air.

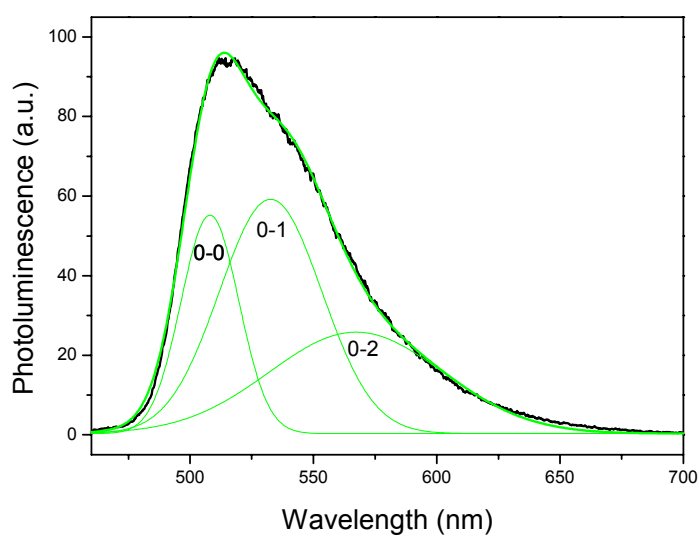
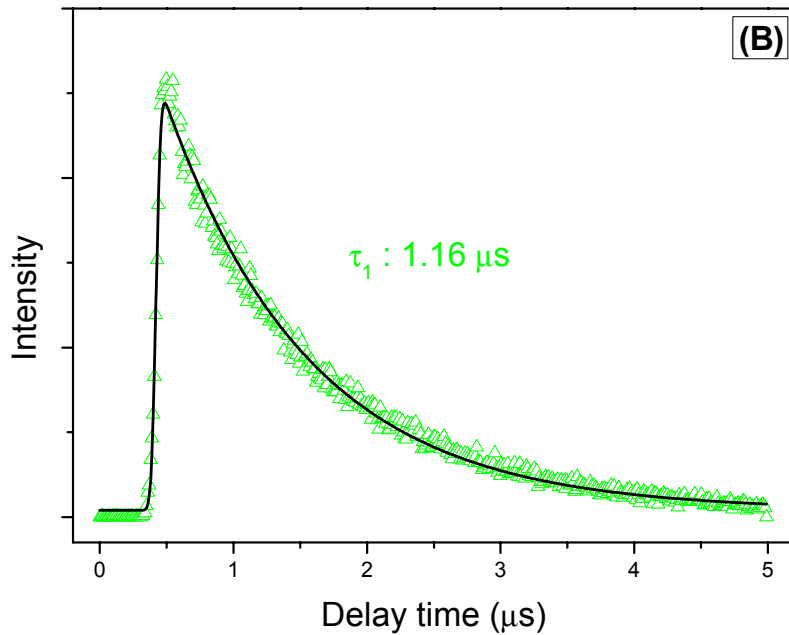
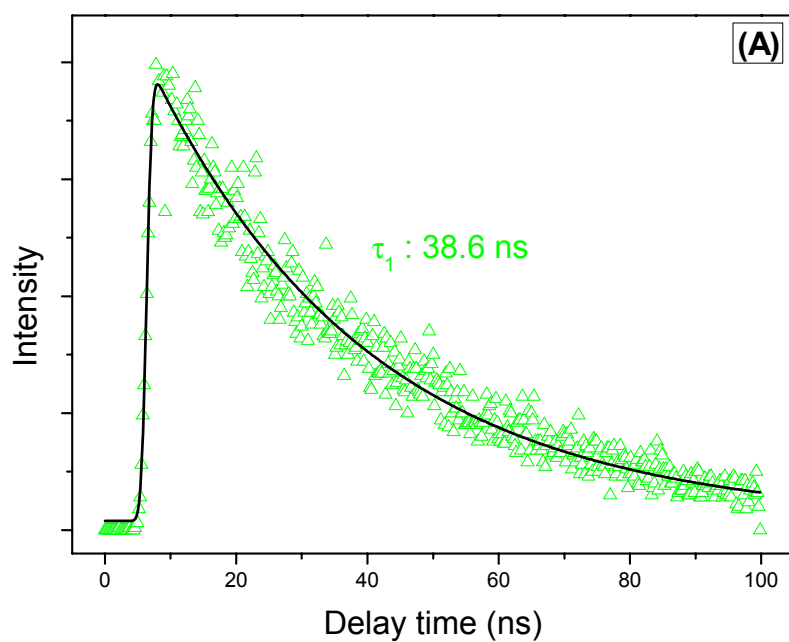


Fig. S2 Measured (black) and calculated (green) PL spectra of Ir(ppy)₃ in dichloromethane. The sum spectrum was obtained by sum of the calculated zero (0-0), one (0-1), and two (0-2) phonon bands.



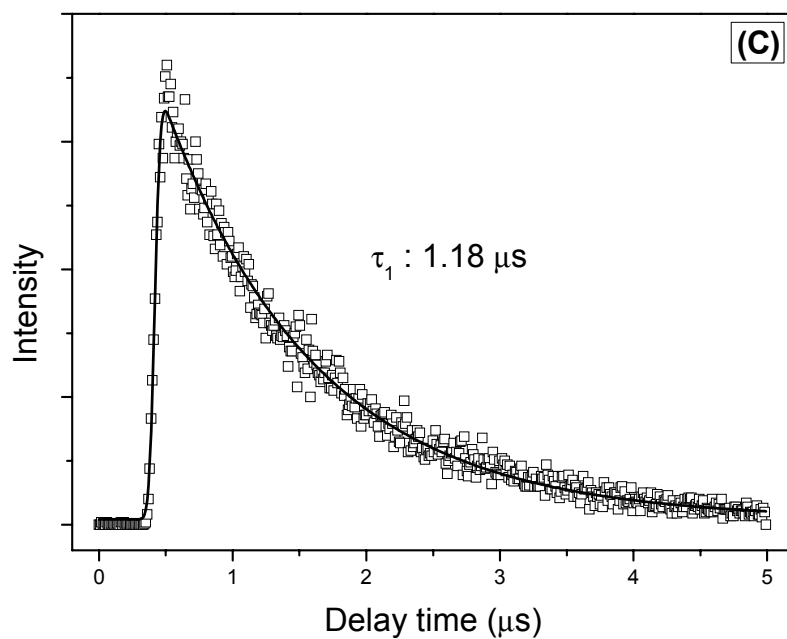


Fig. S3 The PL signal decay curves for Ir(ppy)₃ in air saturated toluene solution (A), Ir(ppy)₃ in degassed toluene solution (B) and Ir(ppy)₃ doped in PMMA film (C).