

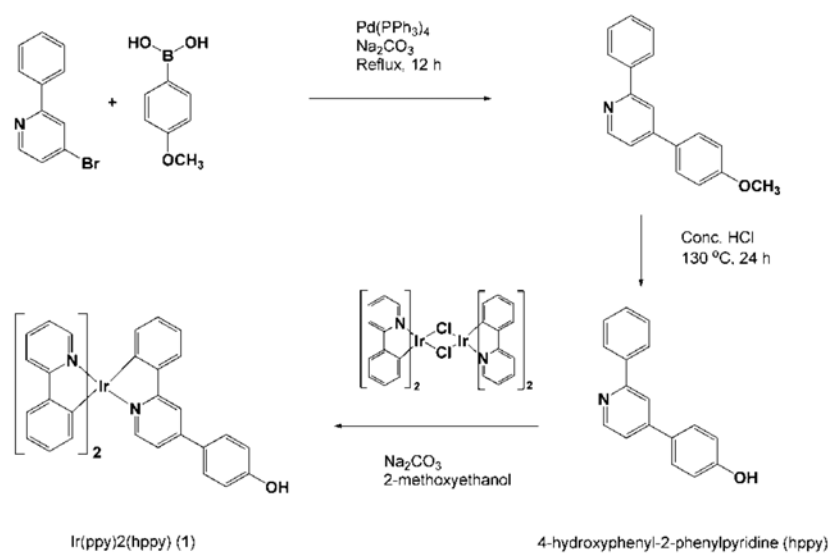
Supporting Information

Luminescence Quenching of a Novel Phosphorescent Ir(III)
Complex/MWCNT HybridJung Oh Huh, Sungjin Park,^{†,*} Insung S. Choi, and Youngkyu Do^{*}

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**Figure 1.** Synthesis of the complex Ir(ppy)₂(hppy) (**1**).

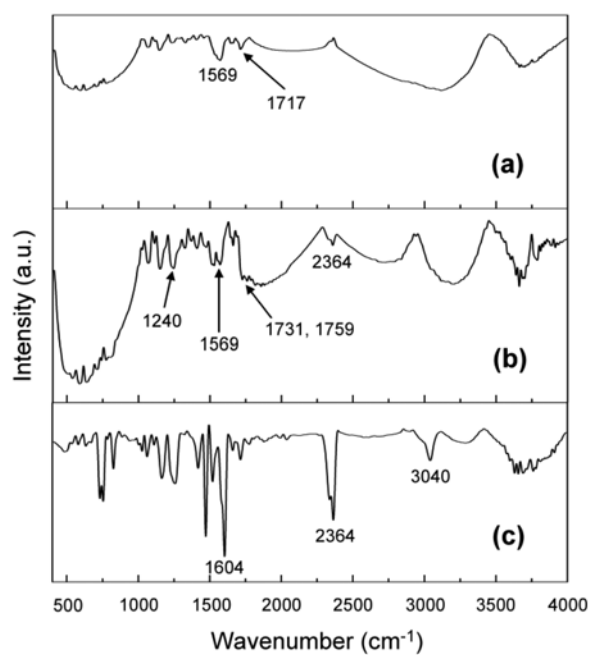


Figure 2. FT-IR spectra of (a) MWCNTs-COOH, (b) [Ir(ppy)₂(hppy)]_n-g-MWCNTs (**2**), (c) Ir(ppy)₂(hppy) (**1**).

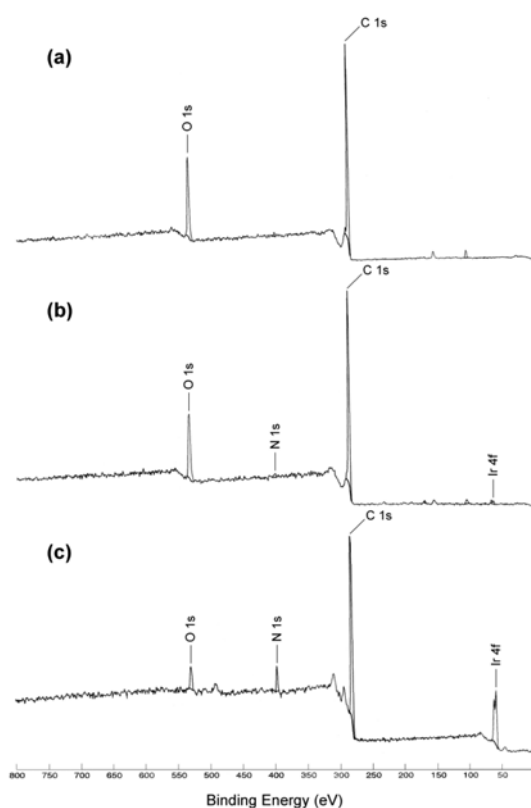


Figure 3. Comparison of XPS survey patterns of (a) MWCNTs-COOH, (b) [Ir(ppy)₂(hppy)]_n-g-MWCNTs (**2**), (c) Ir(ppy)₂(hppy) (**1**).

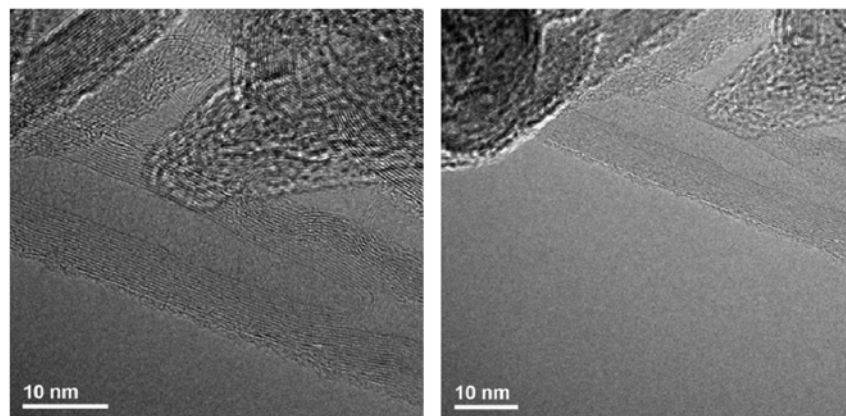


Figure 4. TEM images of [Ir(ppy)₂(hppy)]_n-g-MWCNTs (**2**) in solution.

High-resolution transmission electron microscopy (HR-TEM) measurement were conducted on a JEM-3010 (JEOL) electron microscope. The samples for HR-TEM measure-

ments were prepared by placing one drop of a suspension of the hybrid **2** in ethanol on copper grids (200 mesh) coated by Formvar/carbon (from Electron Microscopy Sciences).