

**Supporting Information for “Direct Spectroscopic  
Observation of Inter-Ligand Energy Transfer in  
Cyclometalated Heteroleptic Iridium(III) Complexes: A  
Strategy for Phosphorescence Color Tuning and White  
Light Generation”**

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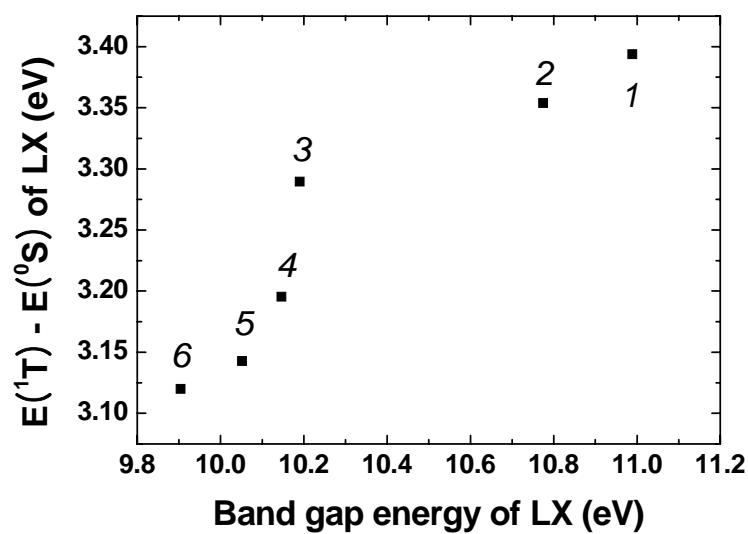
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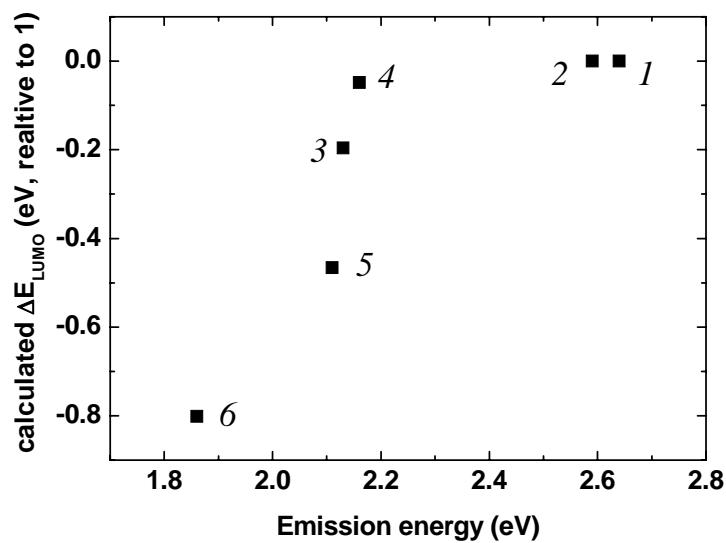
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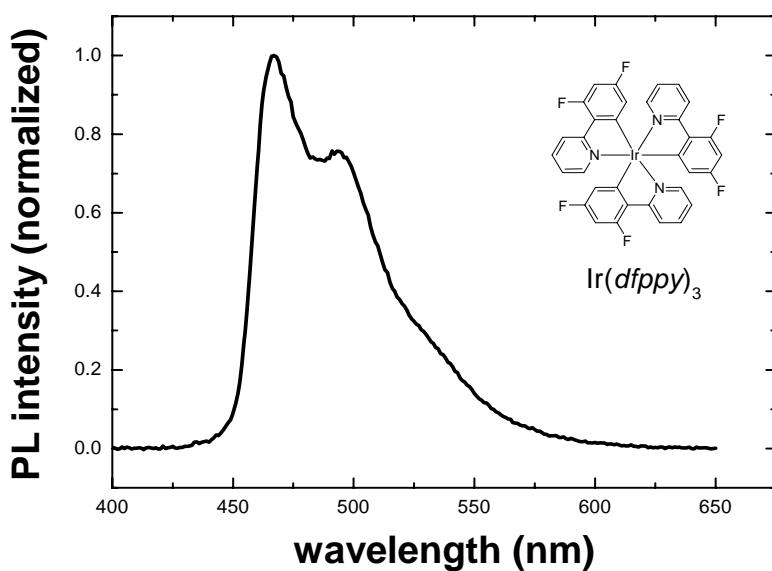
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Molar ratios of blue emitting **1** and red emitting **6** were fixed to 6 to 4.
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Molar ratios of blue emitting **1** and red emitting  $(Btp)_2\text{Iracac}$  were fixed to 6 to 4.



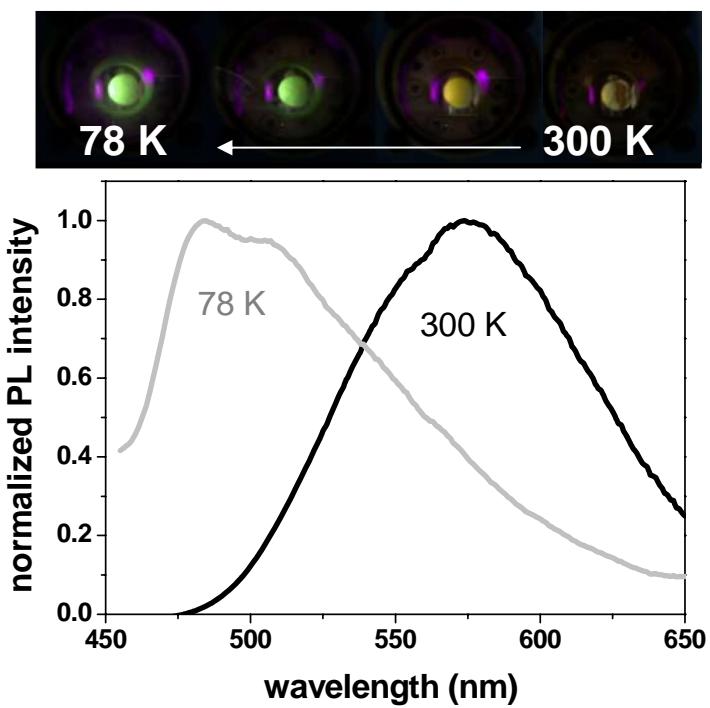
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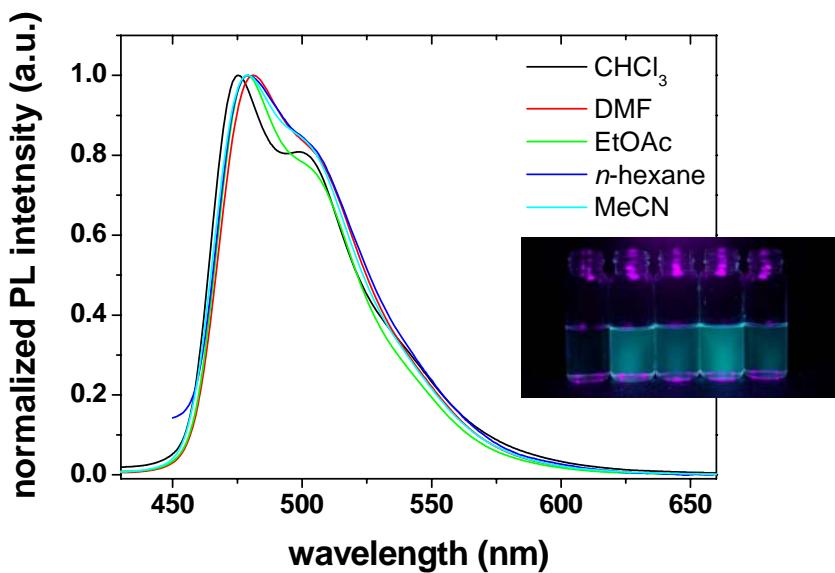
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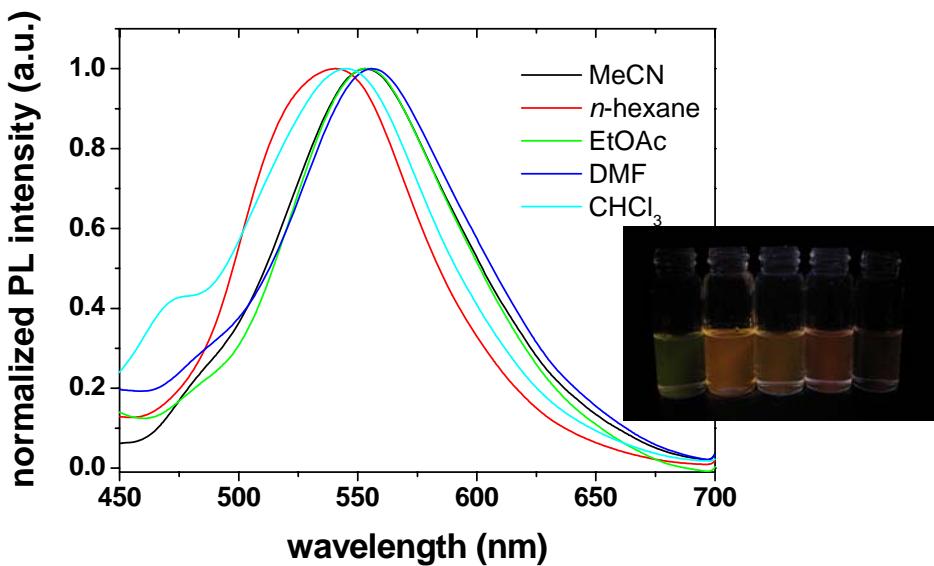
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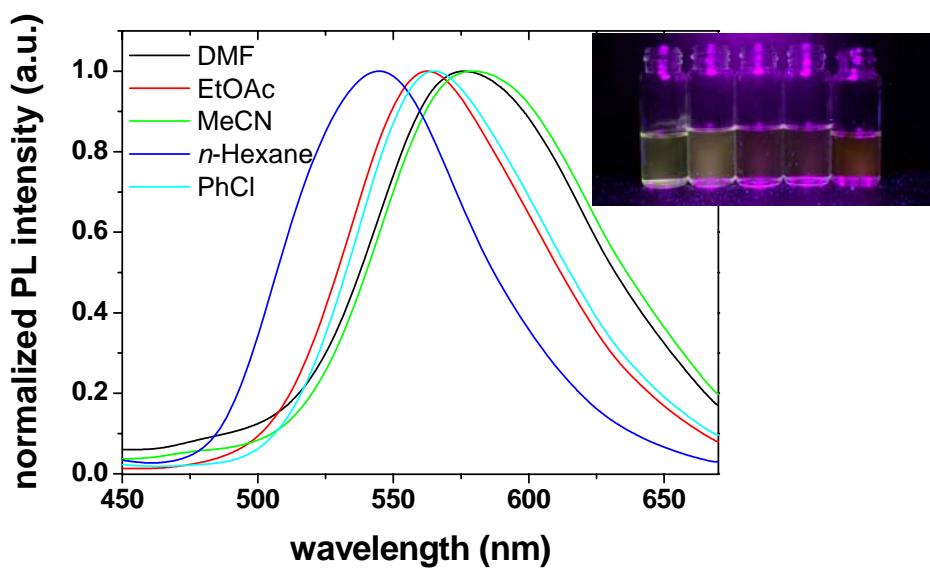
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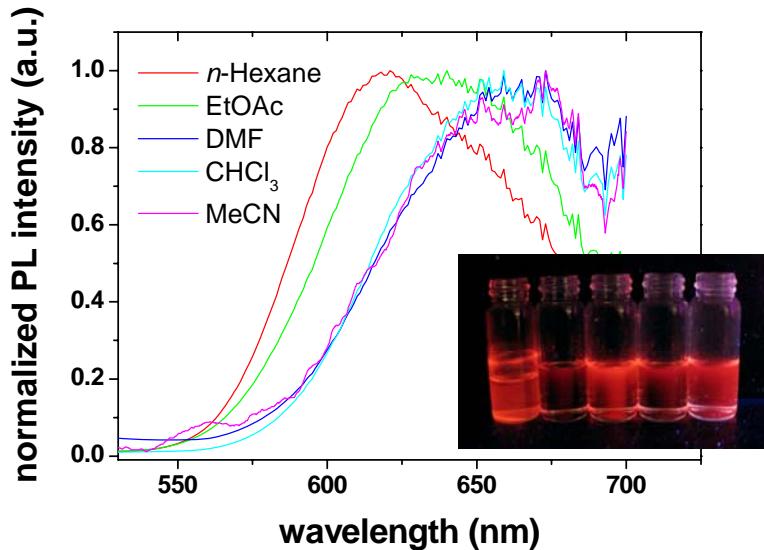
**SI 5.** A photograph and photoluminescence spectra of **1** in solutions of CHCl<sub>3</sub>, DMF, EtOAc, *n*-hexane, and MeCN. Polarity of the solvents increase from right to left in the photograph.



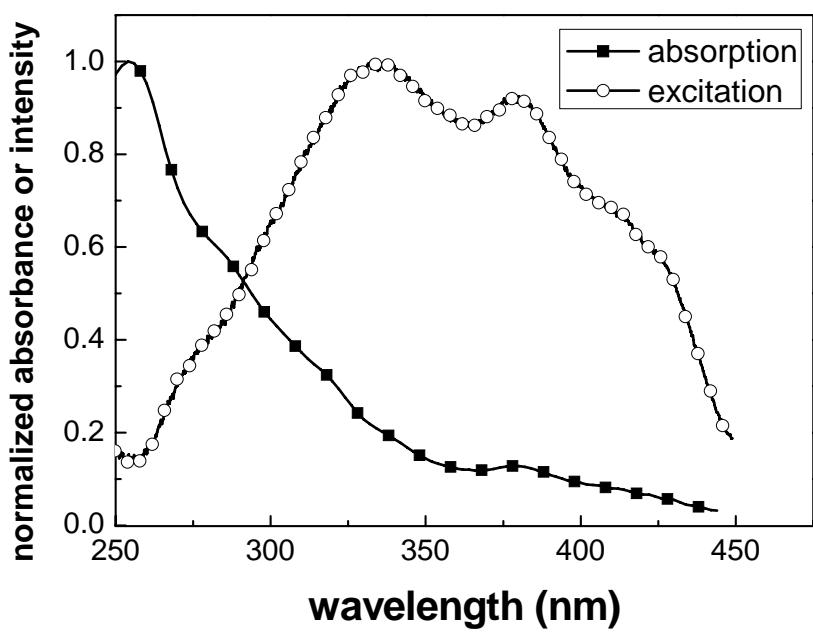
**SI 6.** A photograph and photoluminescence spectra of **3** in solutions of CHCl<sub>3</sub>, DMF, EtOAc, *n*-hexane, and MeCN. Polarity of the solvents increase from right to left in the photograph.



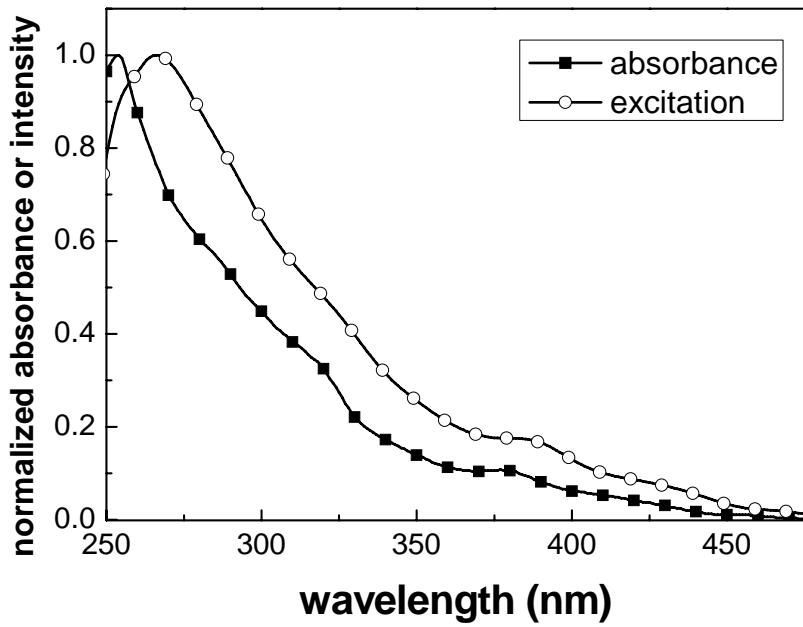
**SI 7.** A photograph and photoluminescence spectra of **5** in solutions of  $\text{CHCl}_3$ , DMF, EtOAc, *n*-hexane, and MeCN. Polarity of the solvents increase from right to left in the photograph.



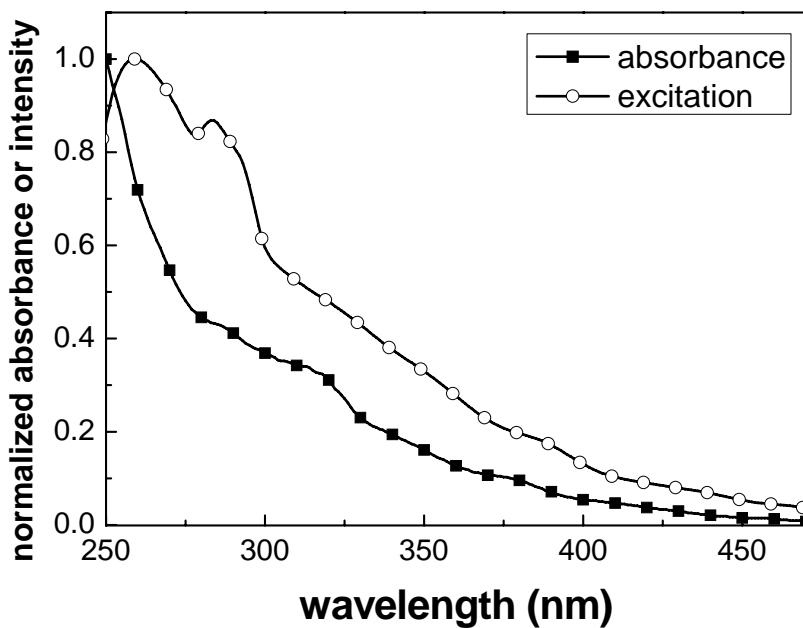
**SI 8.** A photograph and photoluminescence spectra of **6** in solutions of  $\text{CHCl}_3$ , DMF, EtOAc, *n*-hexane, and MeCN. Polarity of the solvents increase from right to left in the photograph.



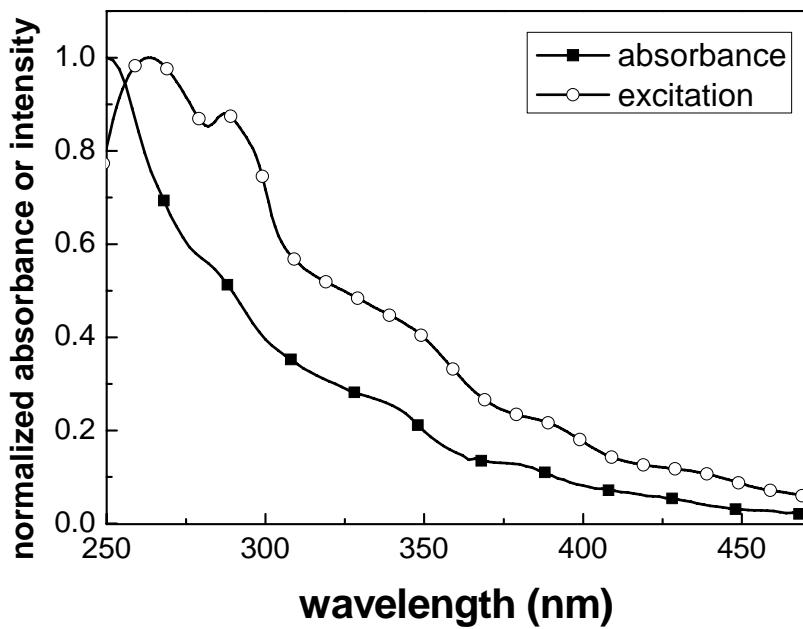
**SI 9.** A plot of excitation and absorption spectra of **1** ( $1 \times 10^{-5}$  M in PhMe).



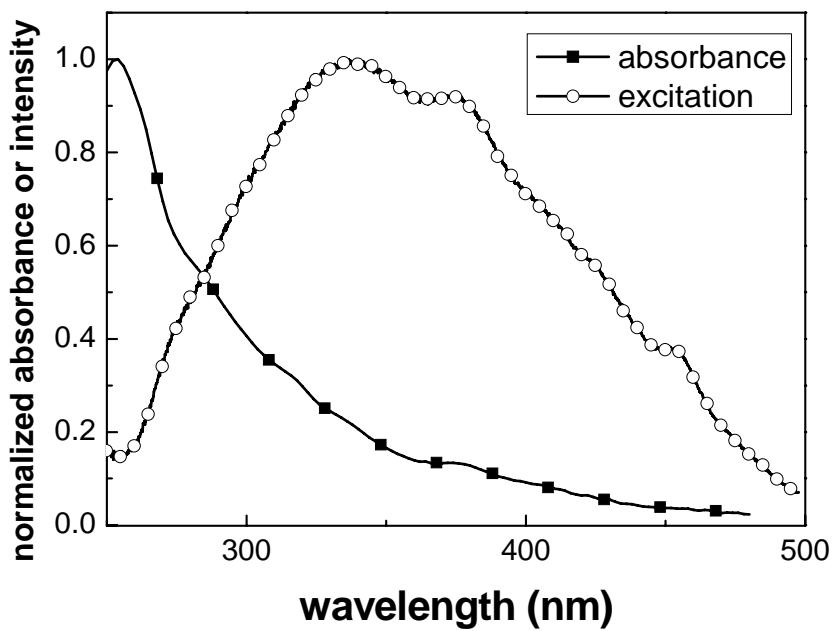
**SI 10.** A plot of excitation and absorption spectra of **2** ( $1 \times 10^{-5}$  M in PhMe).



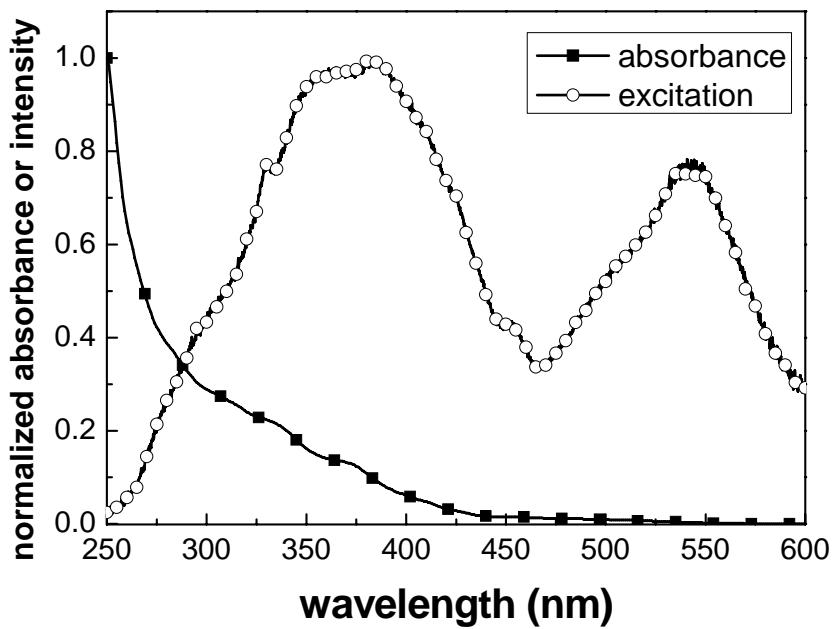
**SI 11.** A plot of excitation and absorption spectra of **3** ( $1 \times 10^{-5}$  M in PhMe).



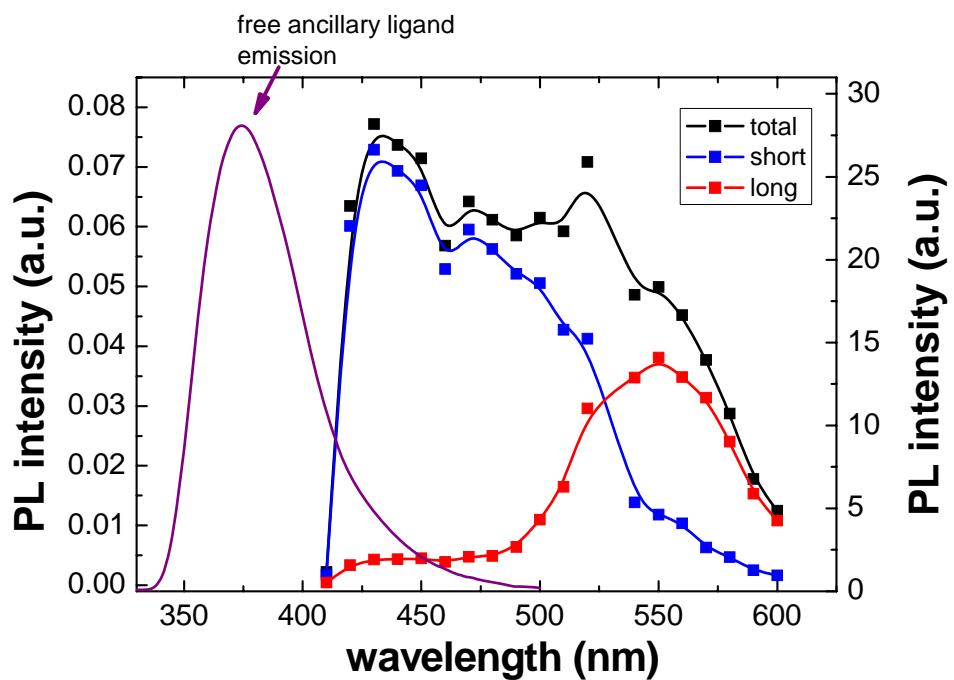
**SI 12.** A plot of excitation and absorption spectra of **4** ( $1 \times 10^{-5}$  M in PhMe).



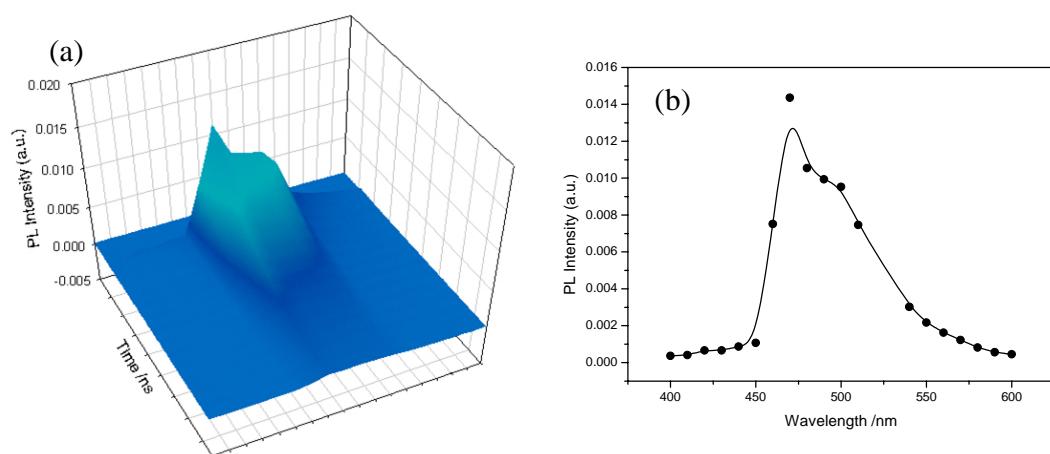
**SI 13.** A plot of excitation and absorption spectra of **5** ( $1 \times 10^{-5}$  M in PhMe).



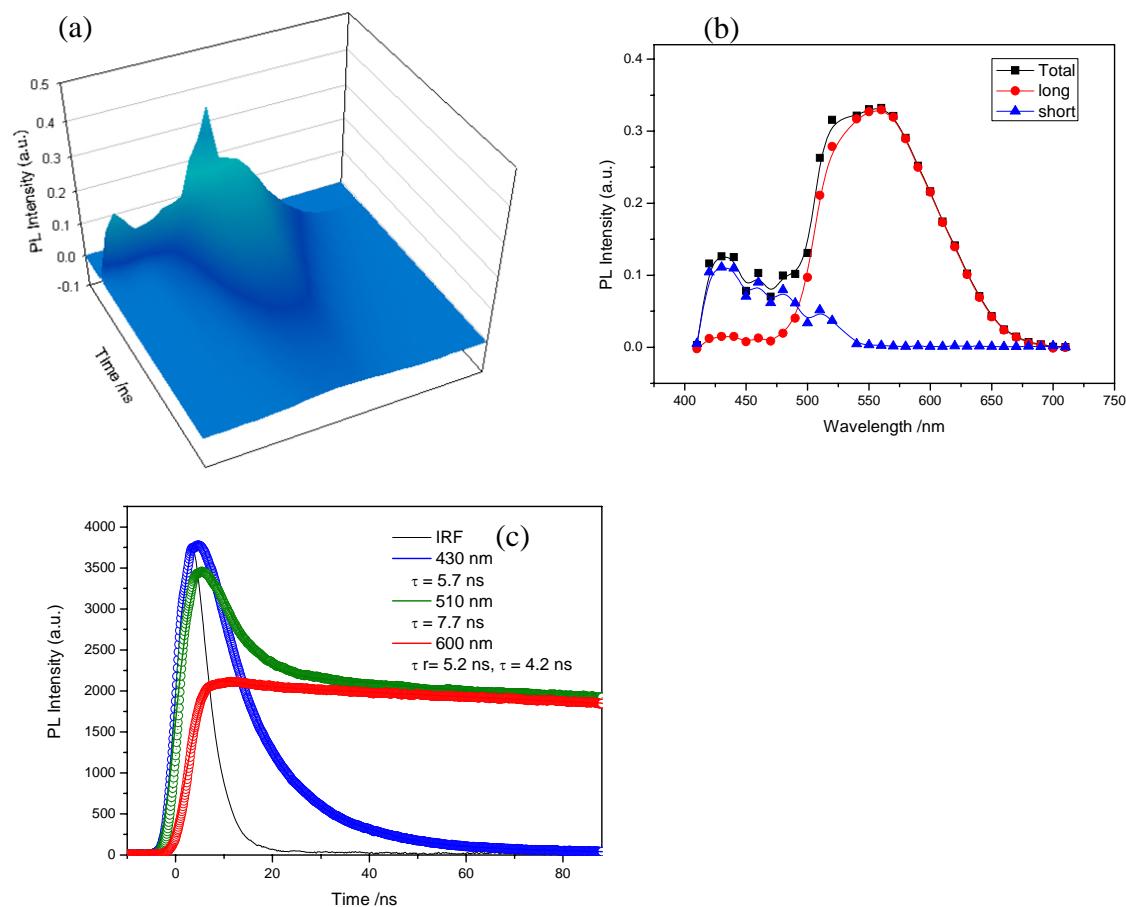
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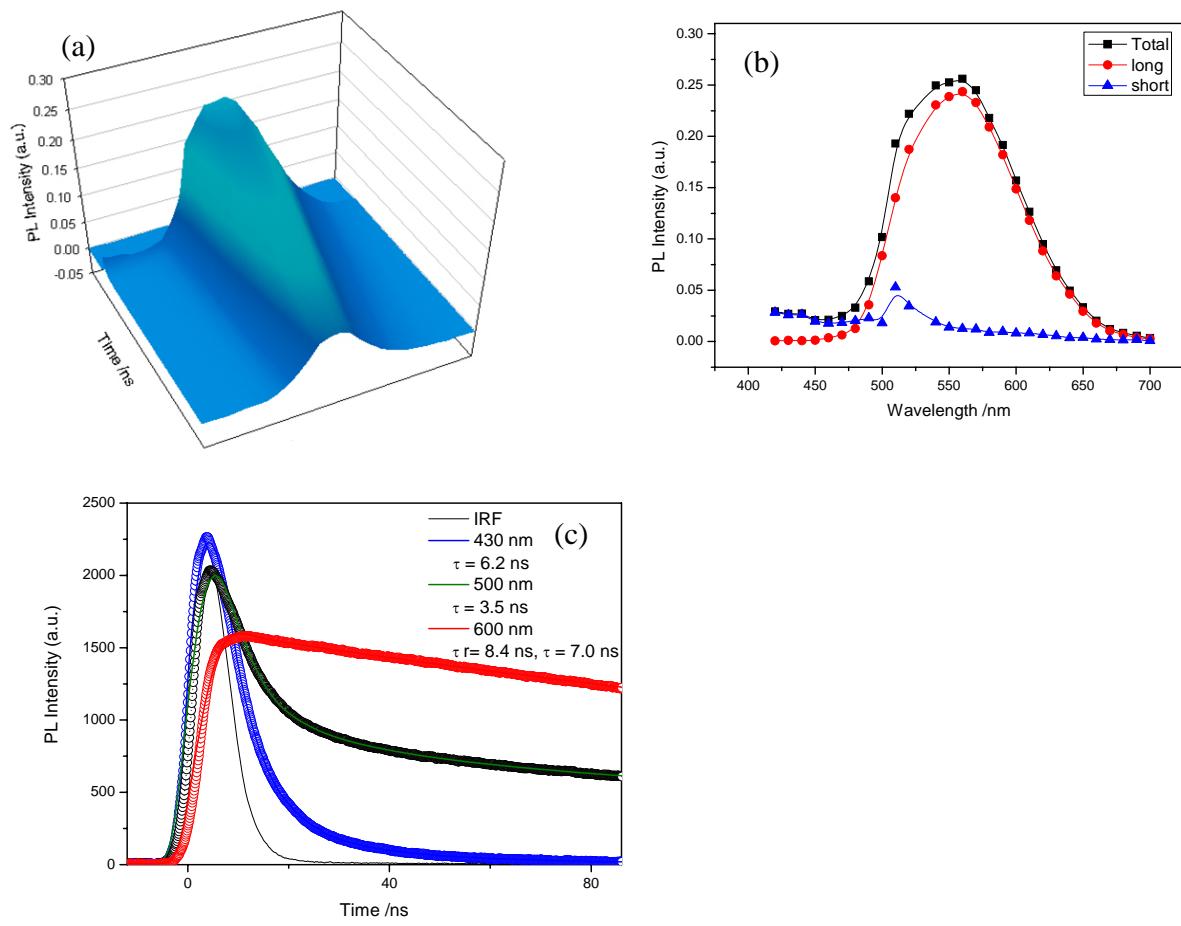
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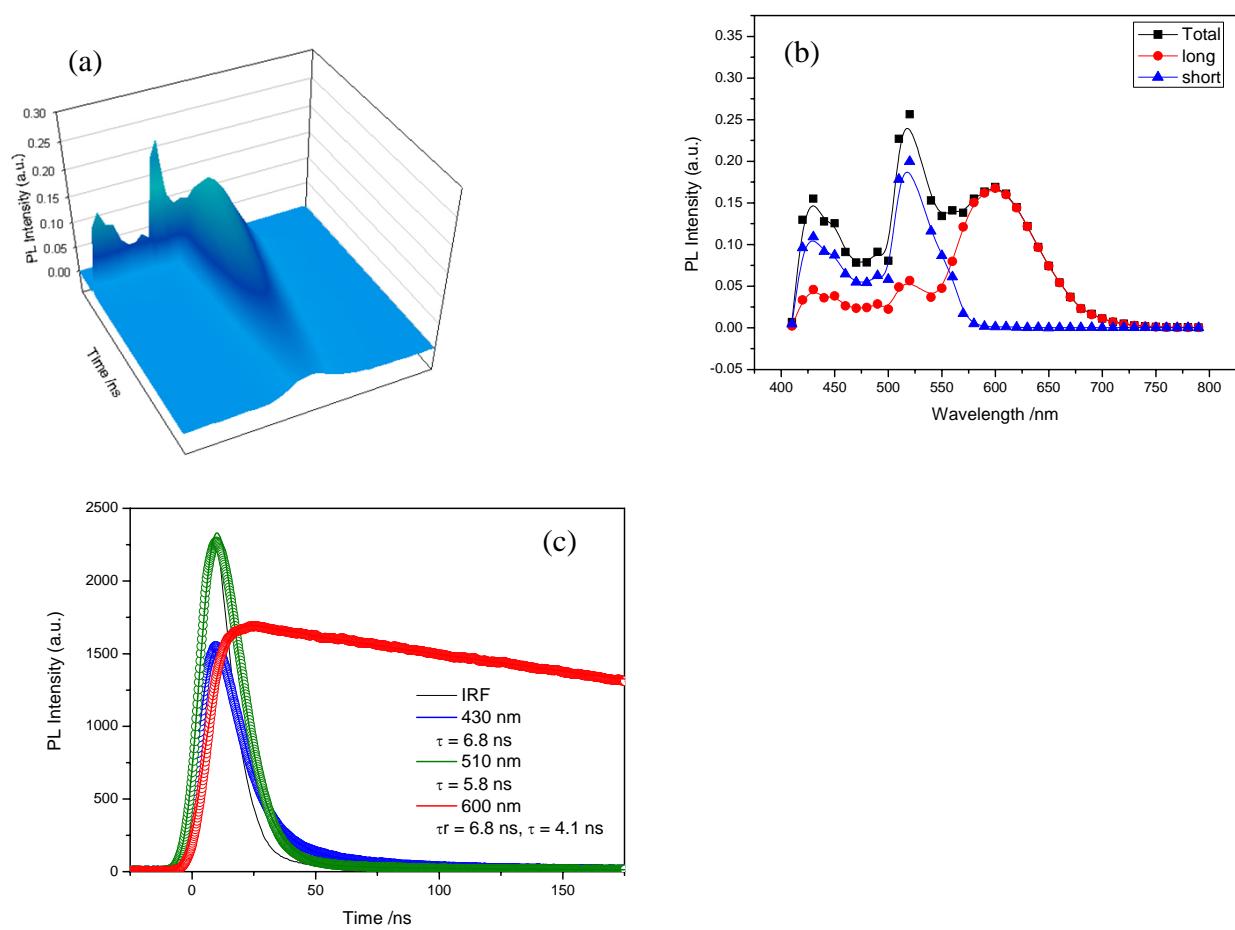
**SI 16.** (a) A plot of transient PL spectra of **2**. (b) Fast, delayed components and total spectrum of **2**.



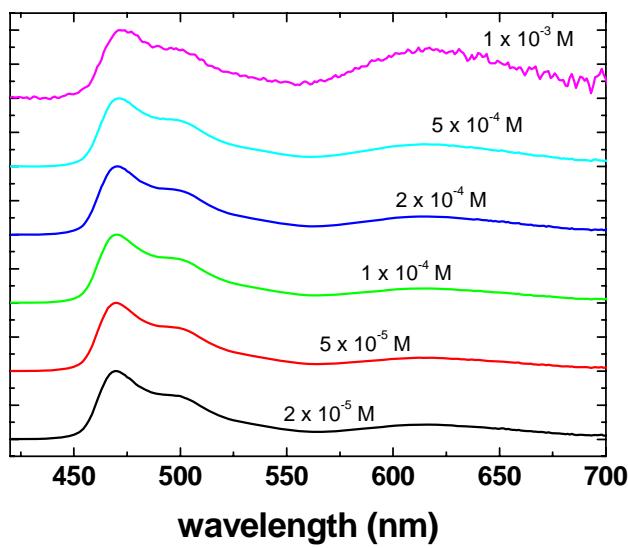
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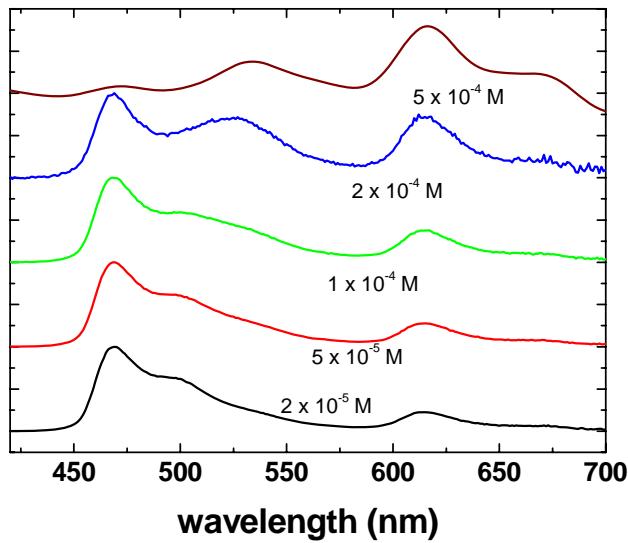
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