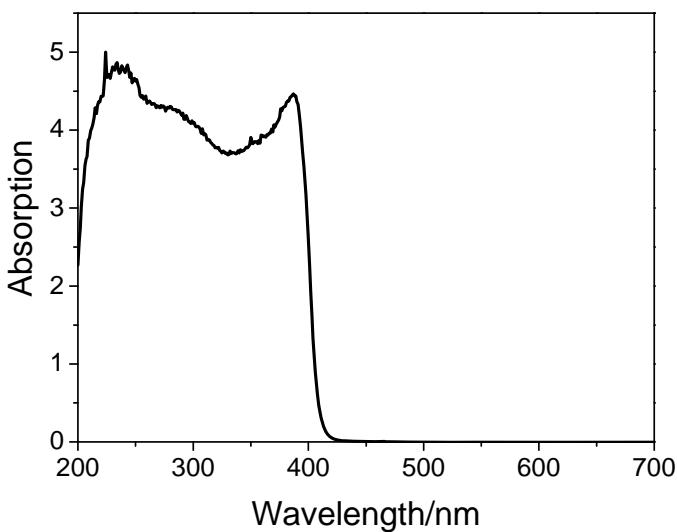
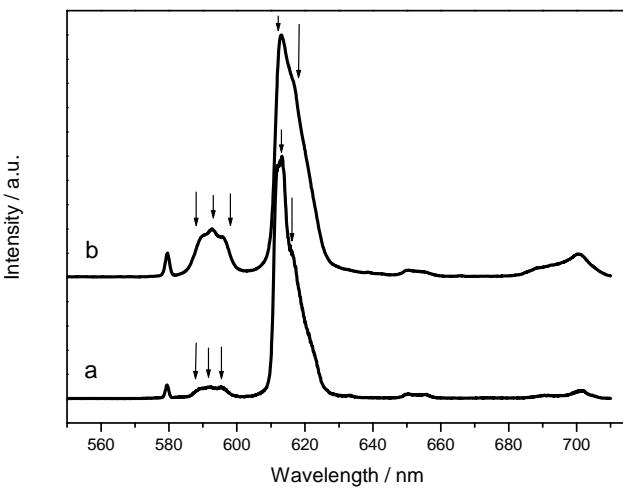


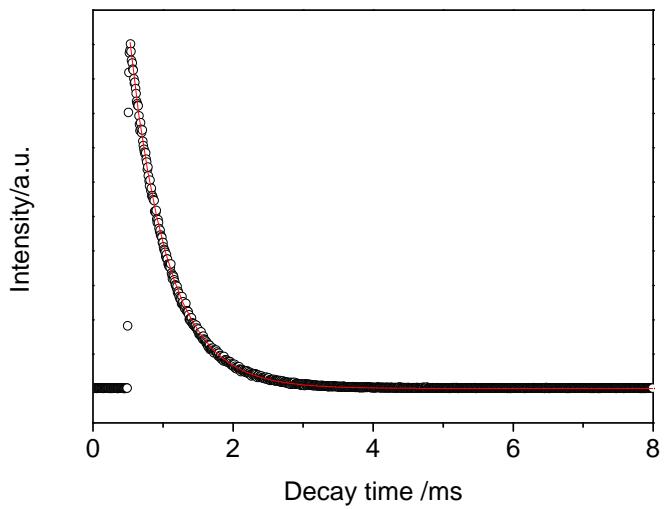
**Electronic Supplementary Information**



S1 The absorption spectrum of the hybrid material Ti-nit-Eu(tta)<sub>3</sub>



S2 Luminescence spectra of Eu(tta)<sub>3</sub>Py<sub>2</sub> (a) and Ti-nit-Eu(tta)<sub>3</sub> (b), the narrows indicate the fine structure of the spectra. (Eu(tta)<sub>3</sub>Py<sub>2</sub> was prepared according to the reported procedure<sup>1,2</sup>). The excitation wavelength is 340nm



S3. Decay curve of  $\text{Eu}(\text{tta})_3\text{Py}_2$ . The measurement was done at room temperature using an excitation wavelength of 340nm and monitored around the most intense emission line at 612nm.

#### Reference

- (1) Tsukube, H.; Shinoda, S. *Chem. Rev.* **2002**, *102*, 2389.
- (2) Cramer, R. E.; Seff, K. *Acta Crystallogr.* **1972**, *B28*, 3281.