

Intercalation of organic sensitisers into layered europium hydroxide and enhanced luminescence property

Nankai Chu,^a Yahong Sun,^a Yushuang Zhao,^a Xinxin Li,^b Genban Sun,^a
Shulan Ma ^{a,*} and Xiaojing Yang ^{a,*}

^a College of Chemistry, Beijing Normal University, Beijing 100875, China.

^b Analysis and Test Center, Beijing Normal University, Beijing 100875, China.

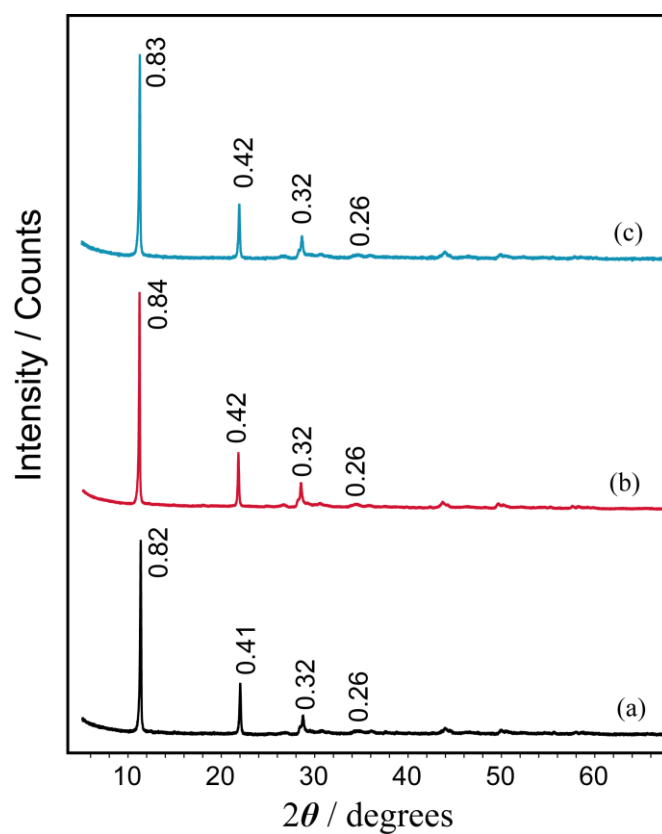


Fig. S1 Powder XRD patterns of the NO₃-LEuH precursors at different drying conditions: dried in air at ambient humidity (a), vacuum-dried at 70 °C (b), and vacuum-dried at 40 °C.

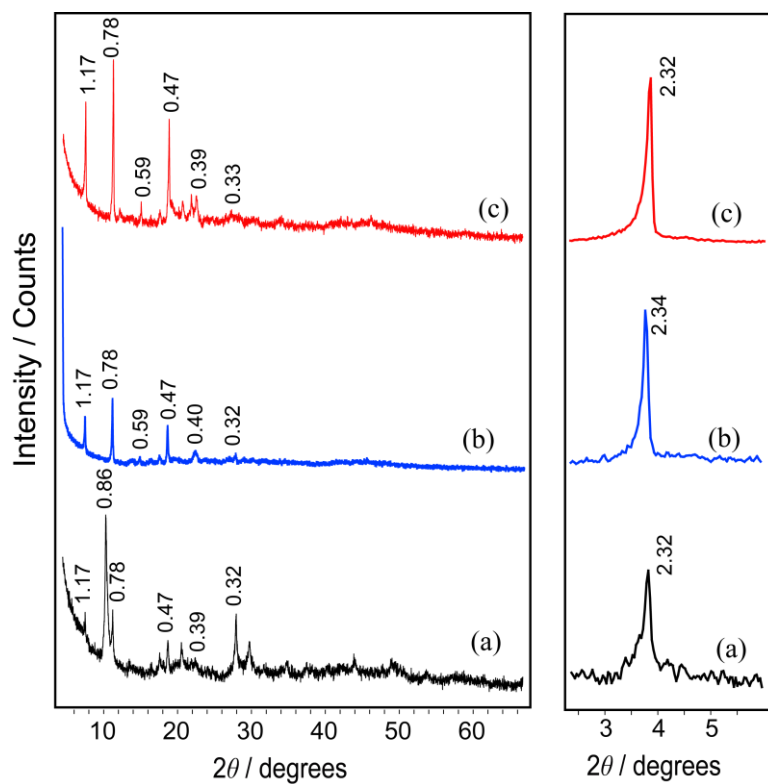


Fig. S2 Powder XRD patterns of the composite BPC-LEuH at different drying conditions: air-dried at ambient humidity (a), vacuum-dried at 40 °C (b), and vacuum-dried at 70 °C (c).

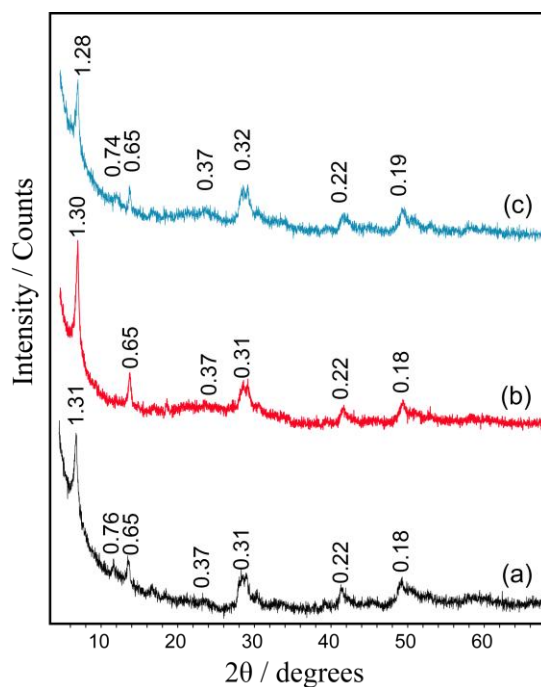


Fig. S3 Powder XRD patterns of the composite TA-LEuH at different drying conditions: dried in air at ambient humidity (a), vacuum-dried at 40 °C (b), and vacuum-dried at 70 °C (c).

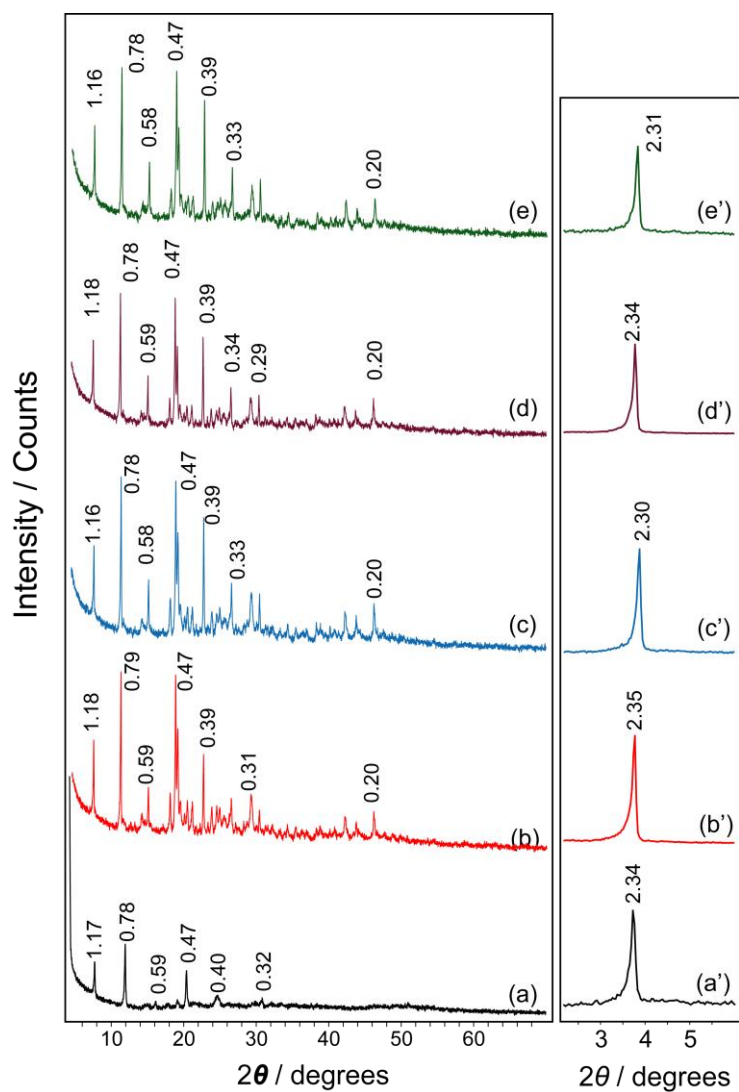


Fig. S4 Powder XRD patterns of the composite BPC-LEuH reacted at 120 °C using different NaOH amount: the NaOH/BPC molar ratios were 1 (a), 1.2 (b), 1.5 (c), 2 (d) and 3 (e), respectively.

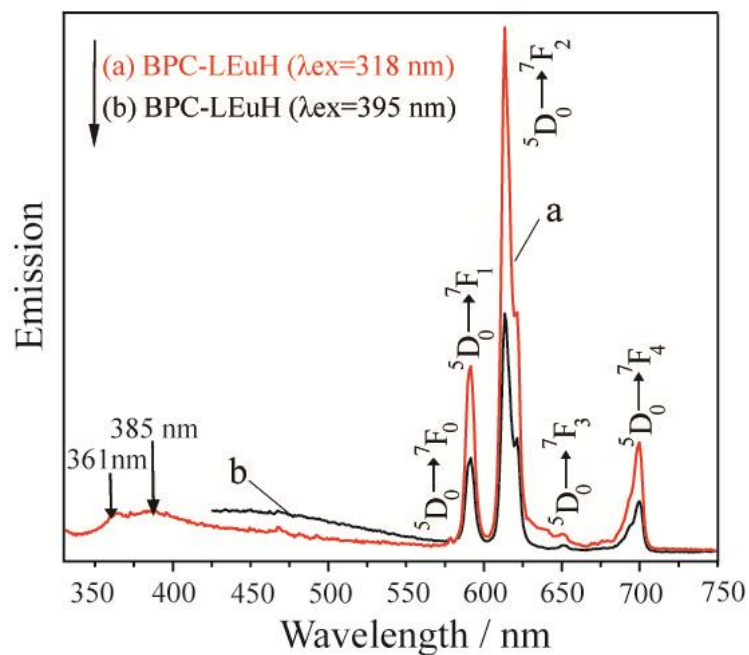


Fig. S5 Room-temperature emission spectra of composite BPC-LEuH at excited wavelengths of 318 (a) and 395 nm (b), respectively.

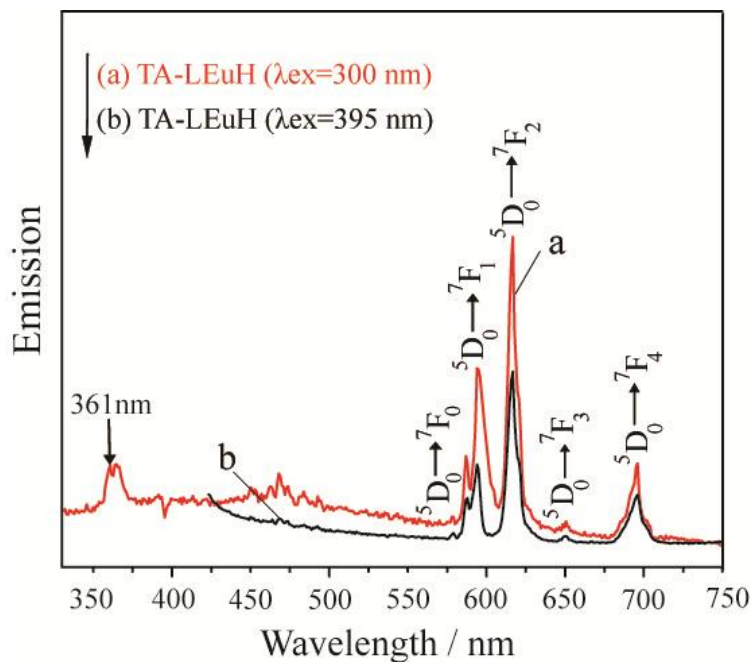


Fig. S6 Room-temperature emission spectra of the composite TA-LEuH at different excited wavelengths: 300 nm (a), 395 nm (b).