Supporting Information

Nanoencapsulation of luminescent 3-hydroxypicolinate lanthanide complexes

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Figure S1. (a) SEM image and correspondent EDX distribution maps of (b) Eu:Tb, (c) Eu, and (d) Tb, in $[Eu_{0.5}Tb_{0.5}(H_2O)(picOH)_2(\mu\text{-}HpicO)]\cdot 4H_2O$ **3**.

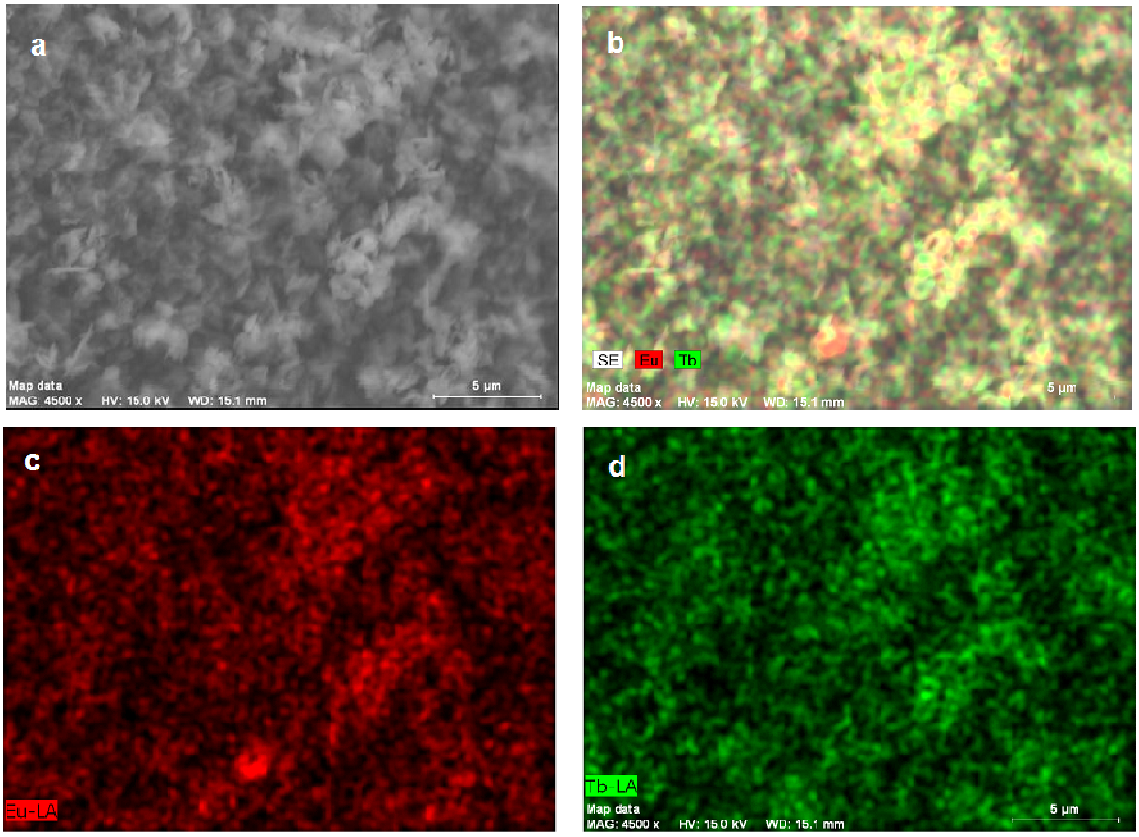

Figure S2. (a) SEM image and correspondent EDX distribution maps of (b) Eu:Tb, (c) Eu, and (d) Tb, in $[Eu_{0.3}Tb_{0.7}(H_2O)(picOH)_2(\mu\text{-}HpicO)]\cdot 3H_2O$ **4**.

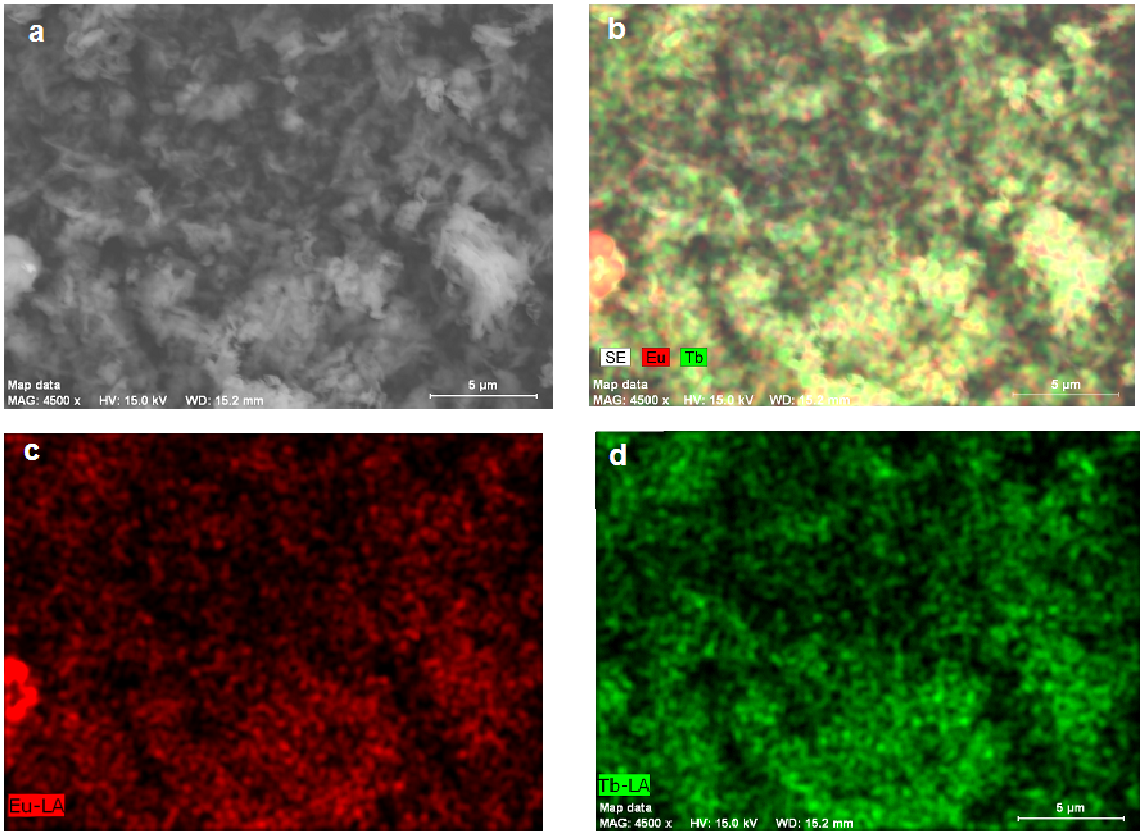

Figure S3. (a) SEM image and correspondent EDX distribution maps of (b) Eu:Tb, (c) Eu, and (d) Tb, in $[Eu_{0.1}Tb_{0.9}(H_2O)(picOH)_2(\mu\text{-}HpicO)]\cdot 3H_2O$ **5**.

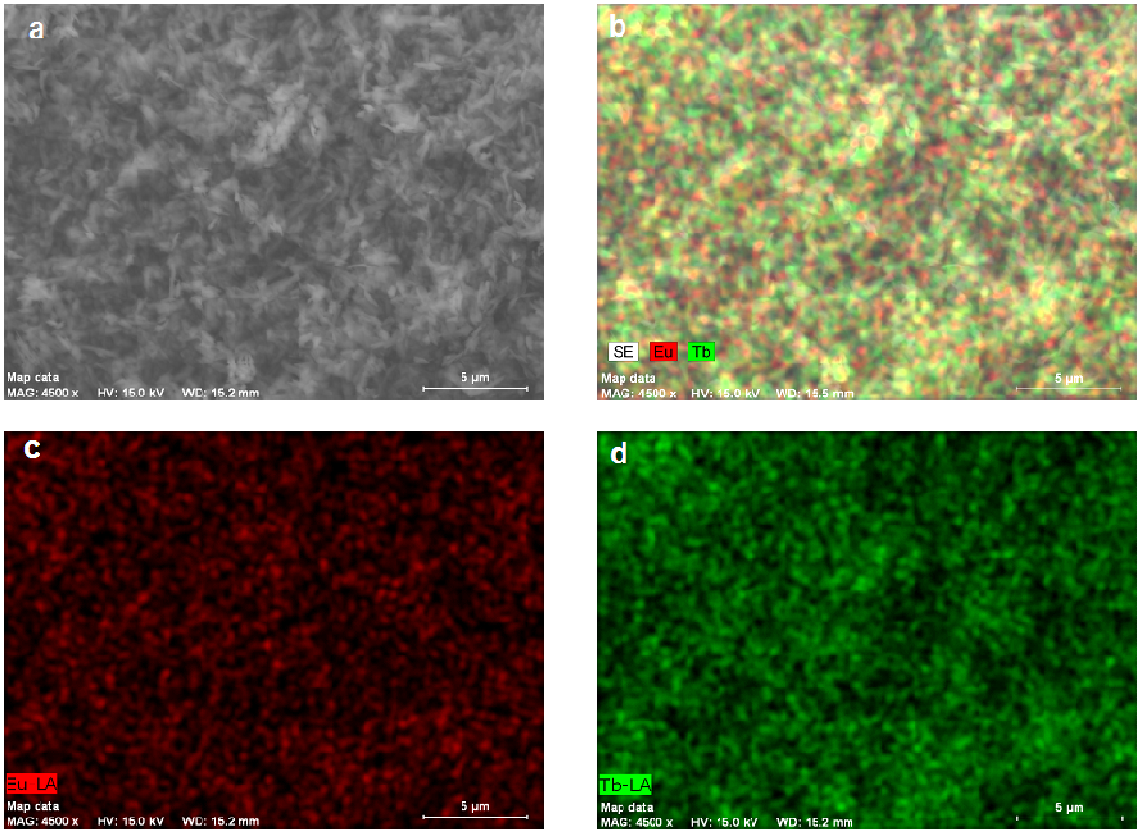

Figure S4. (A) Excitation and (B) emission spectra of **2**/SiO_2-R monitored at 544 nm and excited at 320 nm, respectively, for R = 6 (blue), 8 (red) and 10 (black) together with the emission spectra of **2**/SiO_2-6 excited at (green) 336 and (magenta) 353 nm.

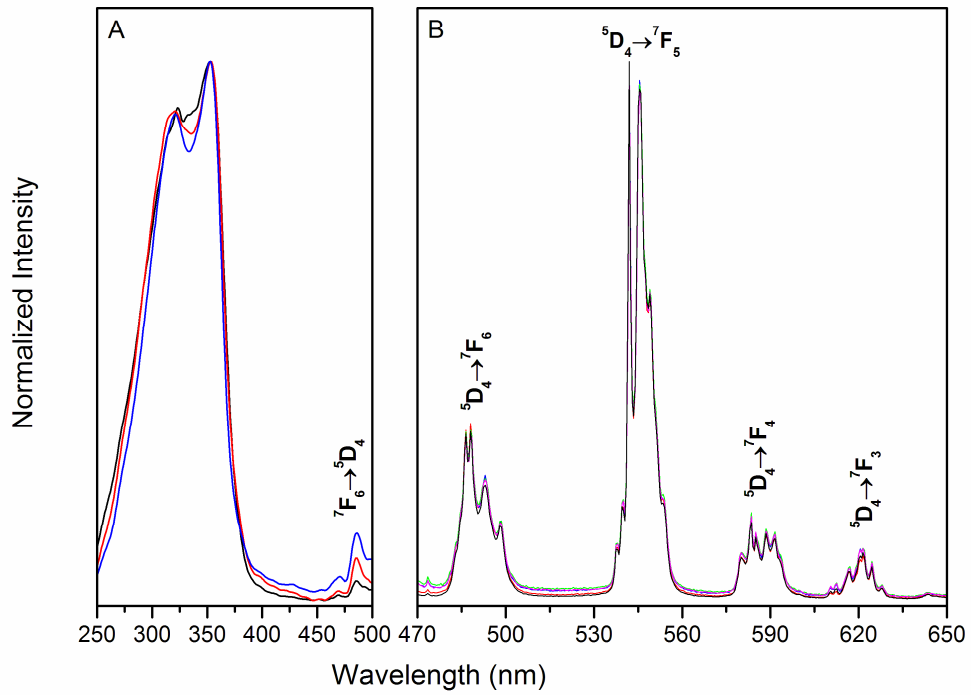

Figure S5. Emission spectra of **3-5**/SiO_2-R (R = 8 and 10) excited at 355-370 nm.

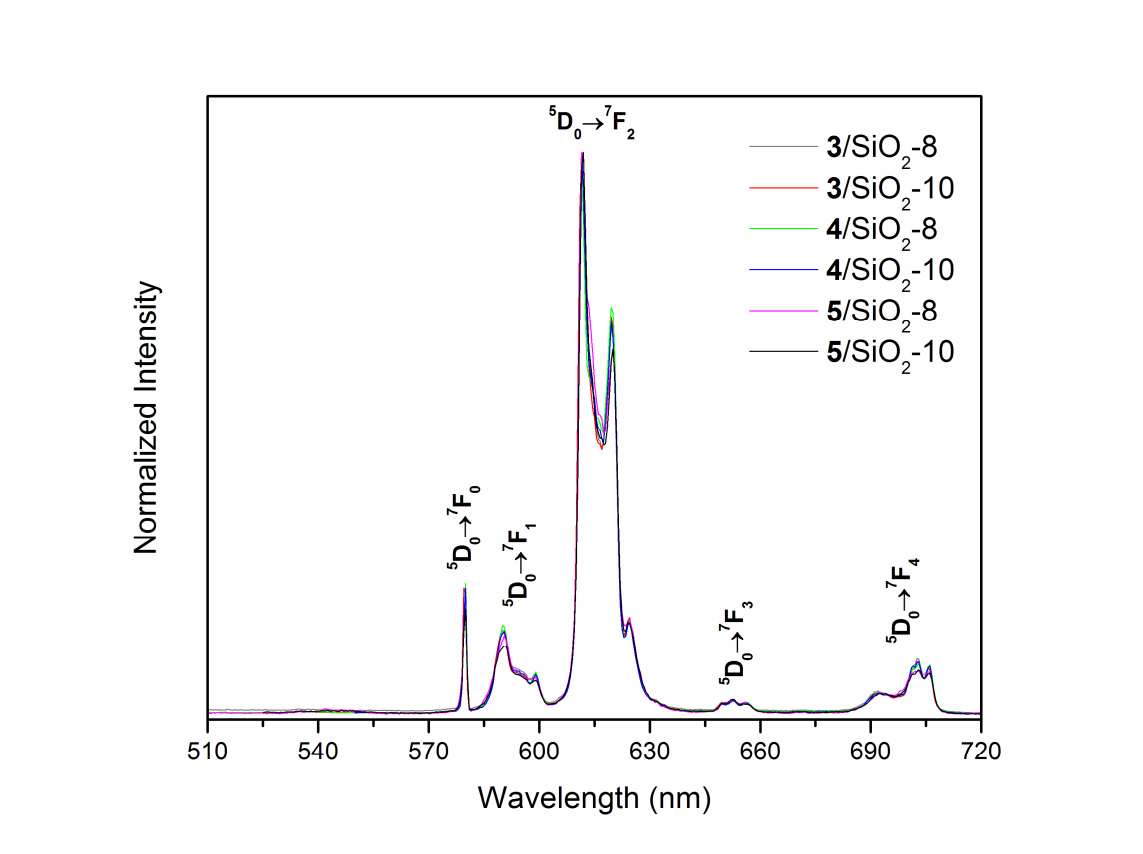

Figure S6. (A) Excitation and (B) emission spectra of **6**/SiO_2-10 (blue), **7**/SiO_2-10 (red) and **8**/SiO_2-10 (black), monitored at 620 nm and excited at 353-357 nm, respectively.