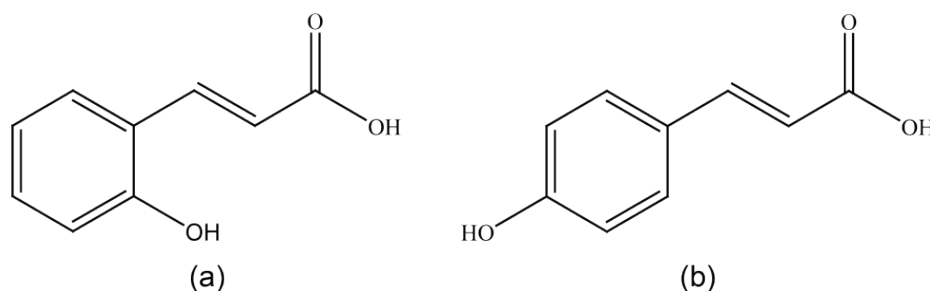


Electronic Supplementary Information (ESI)

Intercalation of coumaric acids into layered rare-earth hydroxide: controllable structure and photoluminescence property

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Scheme S1 Structural diagram of the organic species: (a) *o*-CMA, (b) *p*-CMA.

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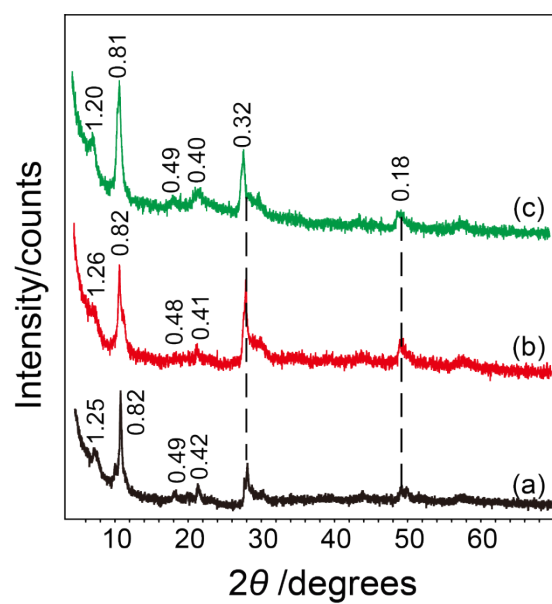


Fig. S1 XRD patterns of *p*-CMA-LEuH-1:1 composite prepared at different conditions: (a) 70 °C, 24 h, (b) 70 °C, 48 h, (c) 90 °C, 24 h.

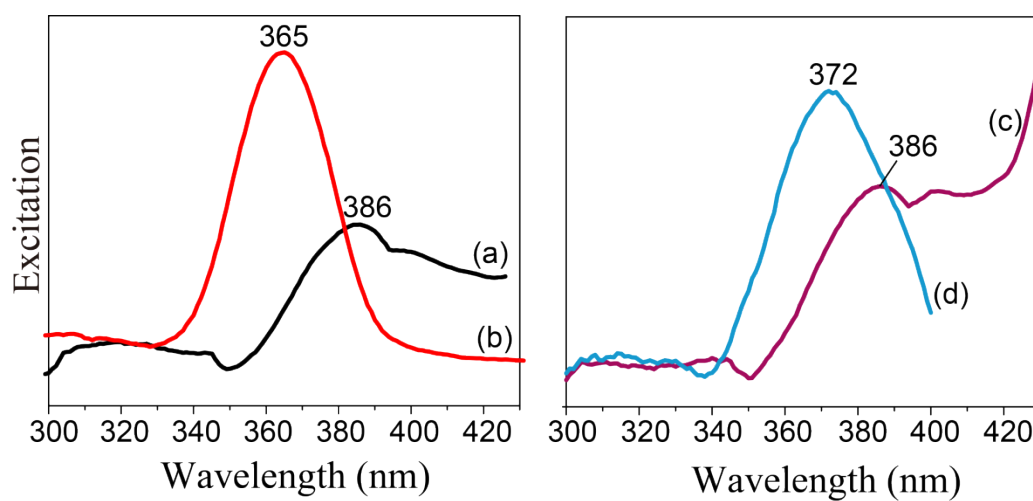


Fig. S2 Excitation spectra of composites in FM: (a) *o*-CMA-LEuH-1:1, (b) OS-*o*-CMA-LEuH-1:1, (c) *p*-CMA-LEuH-1:1, (d) OS-*p*-CMA-LEuH-1:1.