

Supporting Information

Preparation, characterization, and properties of PMMA-doped polymer film materials: study the effect of terbium ion on luminescent and lifetime enhancement

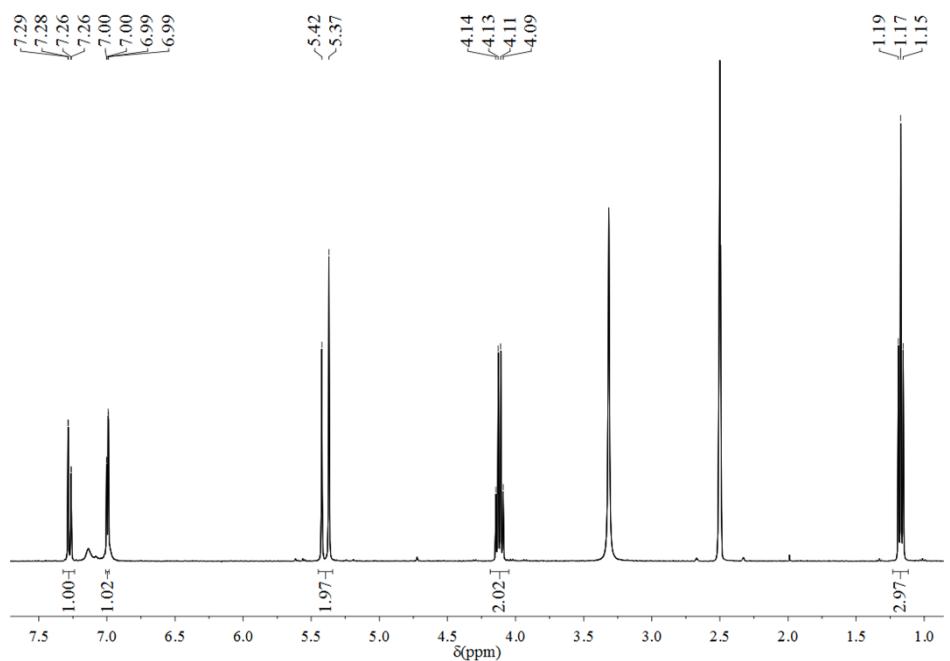
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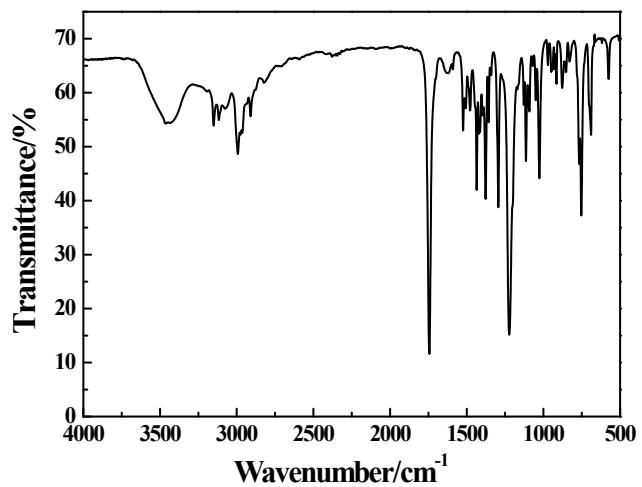
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(a)



(b)

Fig. S1 ^1H NMR spectrum (d_6 -DMSO) and IR spectrum of L' ligand.

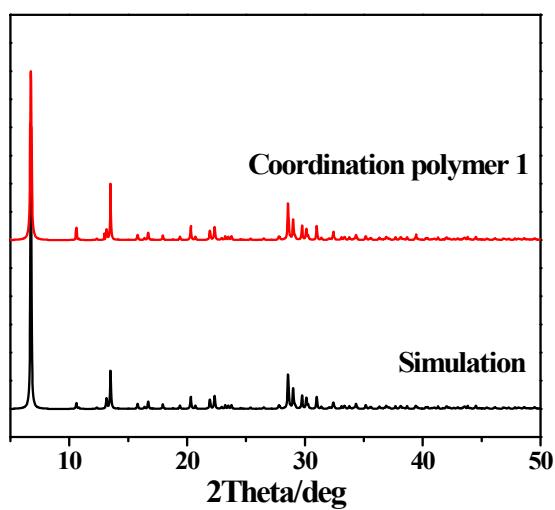


Fig. S2 The PXRD pattern of coordination polymer **1** with the relevant simulated pattern.

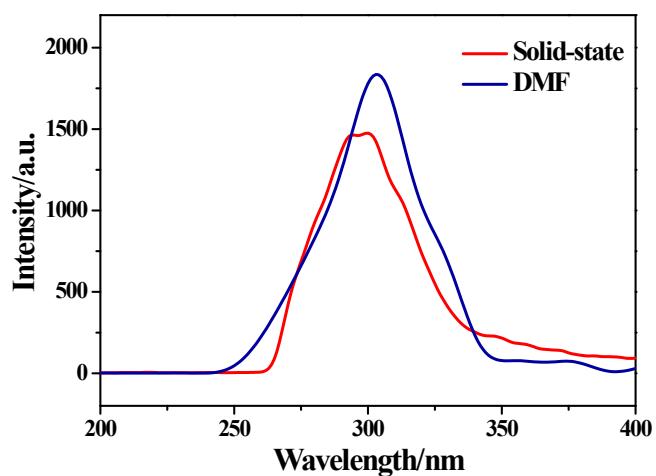


Fig. S3 Excitation spectra of coordination polymer **1** in the solid-state and in DMF solution at 298 K.

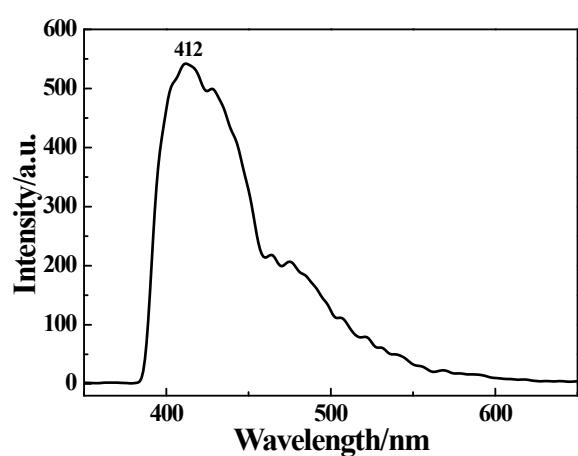


Fig. S4 Emission spectrum of L' ligand.

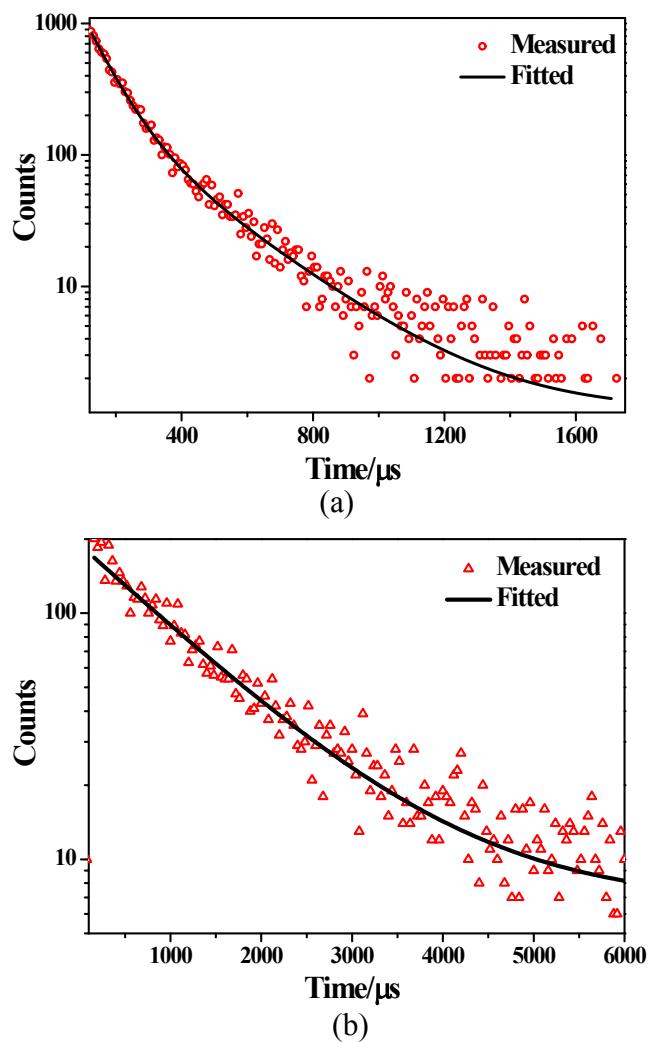


Fig. S5 (a) The decay curve of coordination polymer **1** in the solid-state; (b) The decay curve of coordination polymer **1** in DMF solution at 298 K.

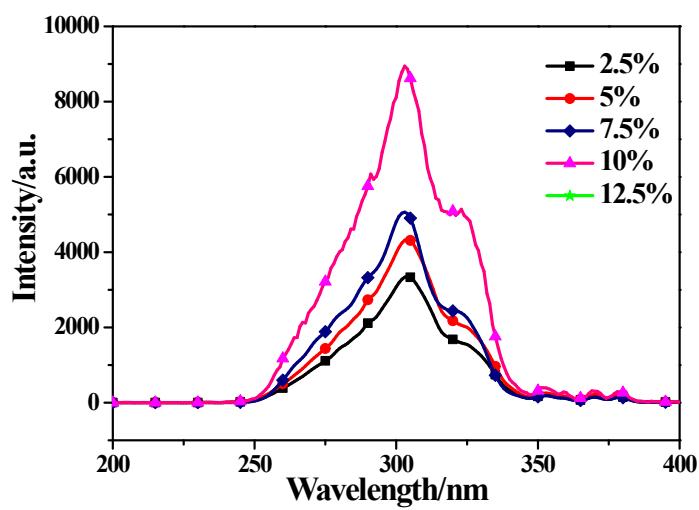


Fig. S6 Excitation spectra of coordination polymer **1** at different concentrations.

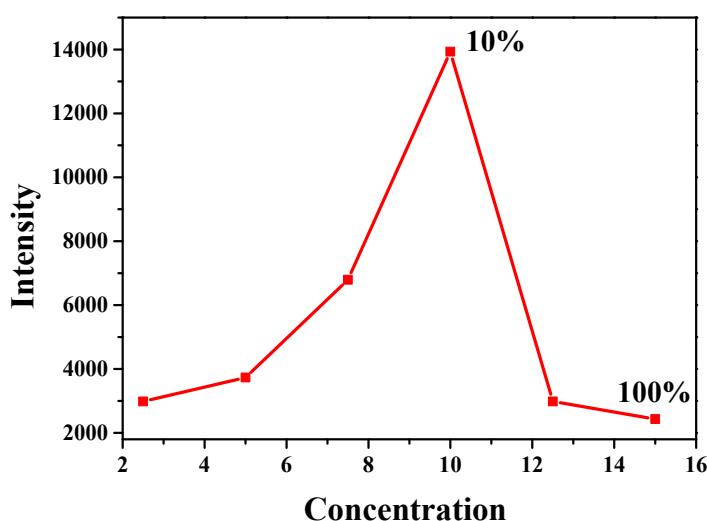


Fig. S7 The trend of luminescence intensity in different Tb-doped concentrations.