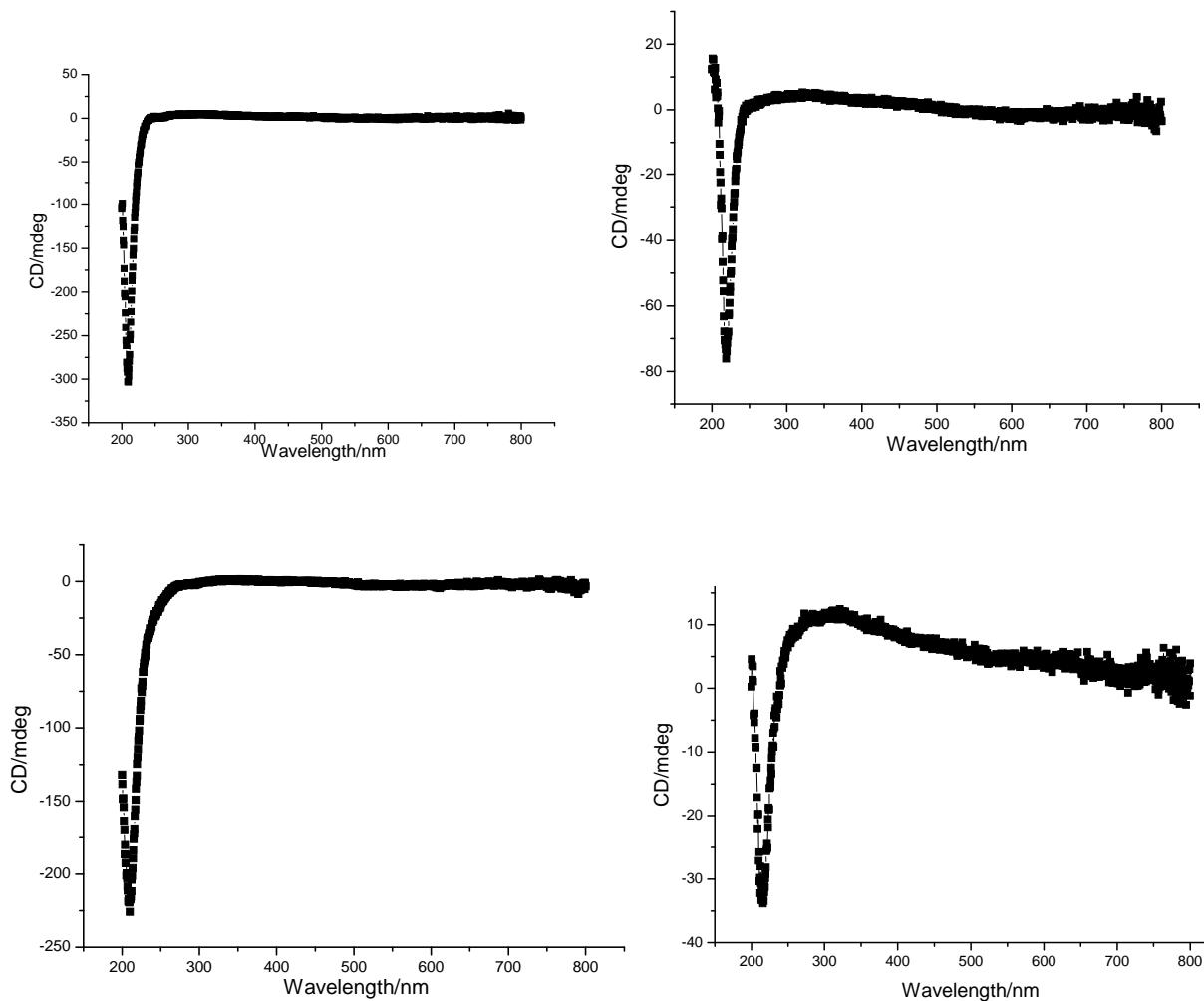
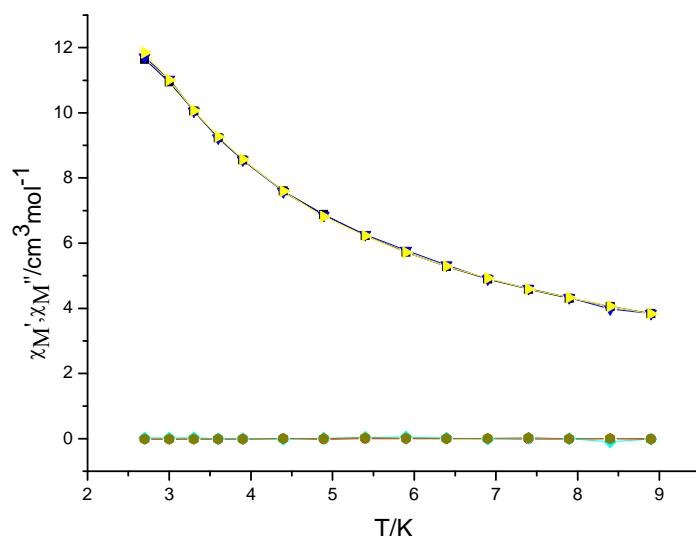


**Multi-functional magnetic, ferroelectric, and fluorescent homochiral lanthanide (Ln)-camphorate compounds built on helical  $\{\text{Ln-O}\}_n$  inorganic substructure**

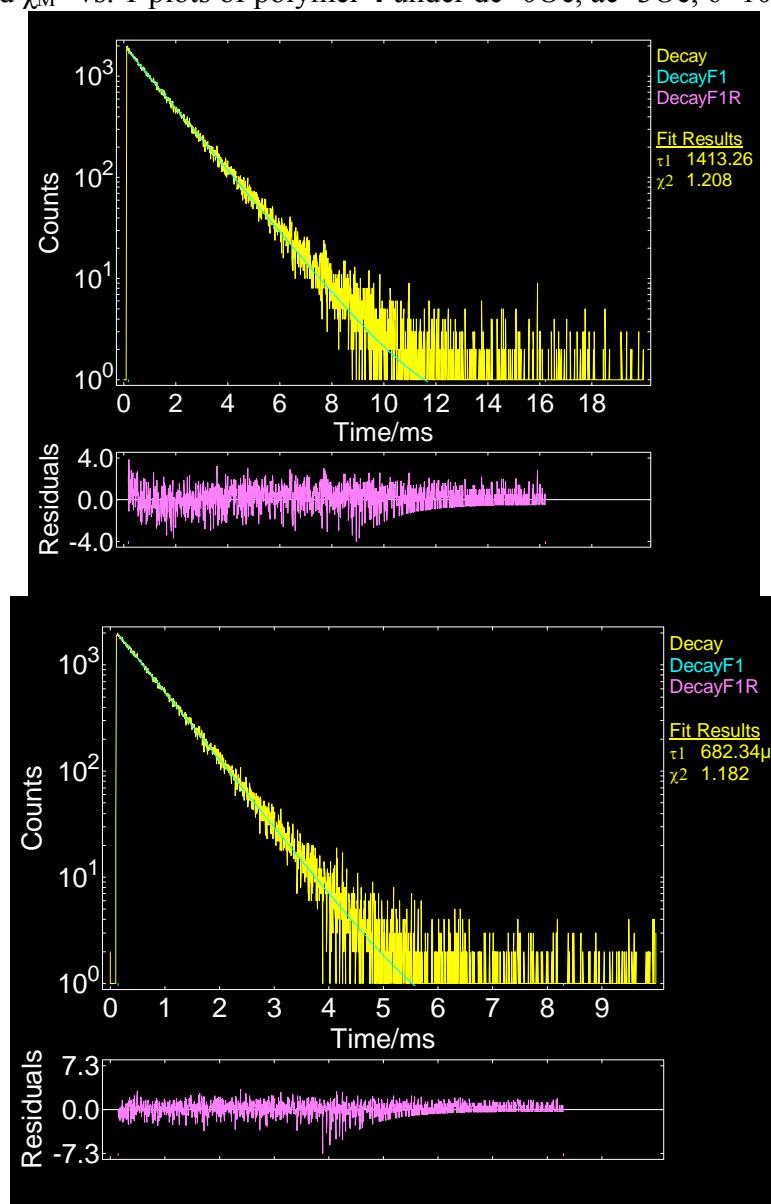
Yu-mei Song, Hai-xiao Huang, Zhen-wei Liao, Gong-ming Sun, Ming-biao Luo, Shu-juan Liu, and Feng Luo\*  
Wuhan University, Wuhan, China



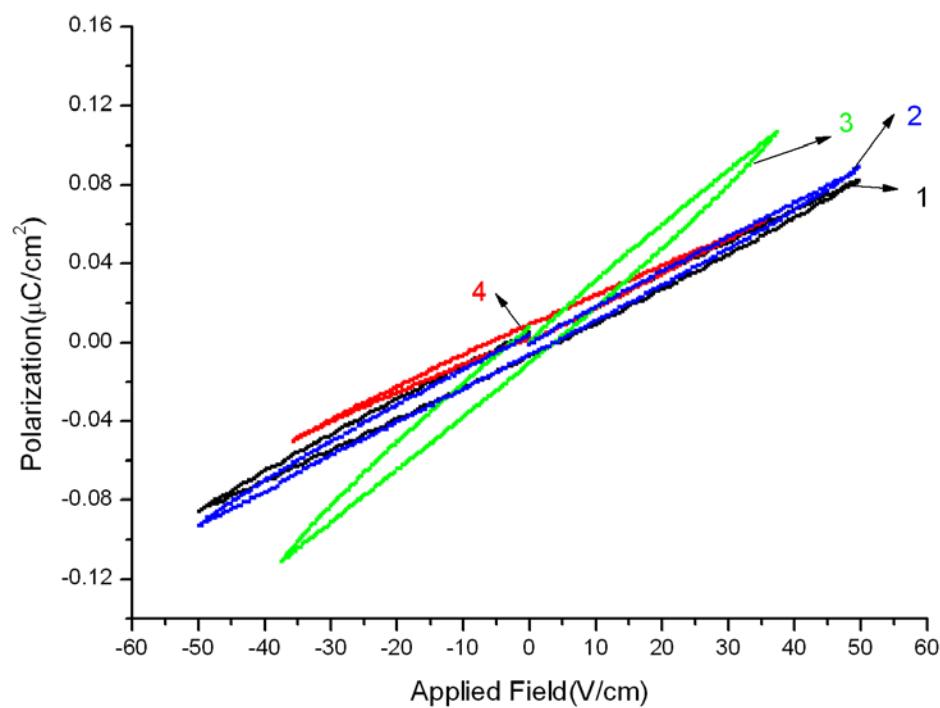
**Fig. S1** The solid-state circular dichroism (CD) spectra of polymers **1-4**, respectively.



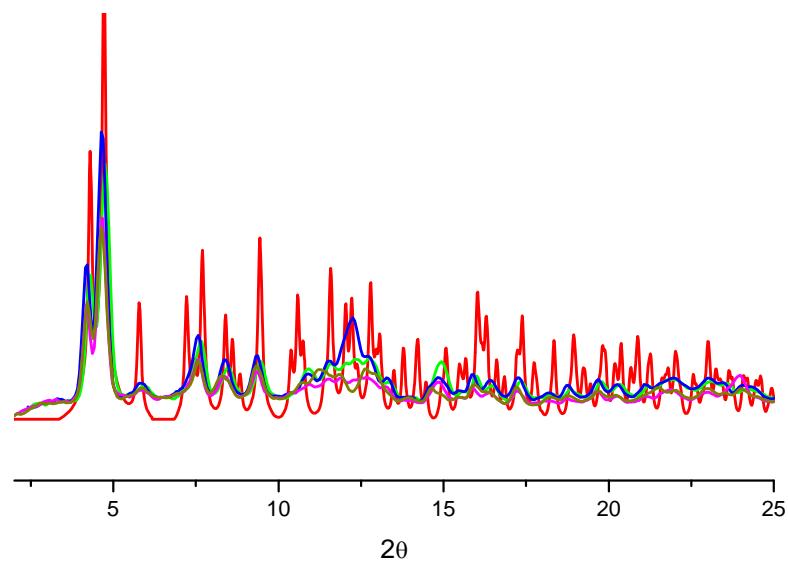
**Fig. S2** The  $\chi_M'$  and  $\chi_M''$  vs.  $T$  plots of polymer **4** under dc=0Oe, ac=3Oe, v=10Hz, 100Hz, 1000Hz.



**Fig. S3** The emission decay profile of polymers **2** and **3**.



**Fig. S4** View of the electrical hysteresis loop of polymers **1-4**.



**Fig. S5** The experimental XRD (blue/**1**, green/**2**, purple/**3**, gray/**4**) and calculated XRD patterns (red) based on the single crystal data of **1**.