Supporting Information

Slow relaxation processes of salen type Dy_2 complex and 1D ionic spiral Dy_n coordination polymer

Jing Zhu, Hui-Feng Song, Peng-Fei Yan,* Guang-Feng Hou, Guang-Ming Li*

Scheme 1 Synthesis of the ligand

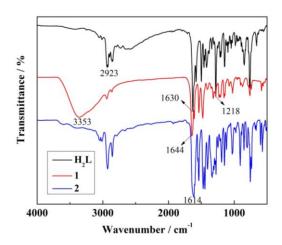


Fig. S1 IR spectra of the H_2L , 1 and 2.

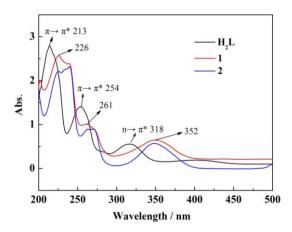


Fig. S2 UV absorption spectra of the H₂L, 1 and 2 in MeOH.

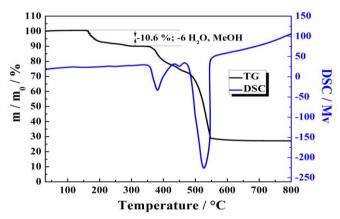


Fig. S3 TG-DSC curves of complex 1

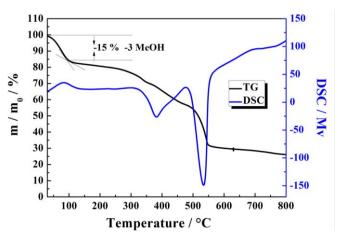


Fig. S4 TG-DSC curves of complex 2.

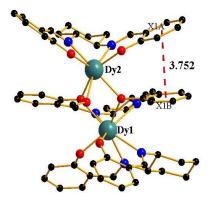


Fig. S5 A view of the molecular structure of 1. Intramolecular π - π stacking interaction: X1A···X1B 3.752 Å.

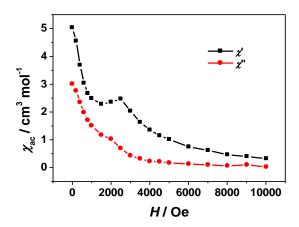


Fig. S6 The field dependence of ac susceptibilities for complex 1 at 2 K and 1000 Hz.

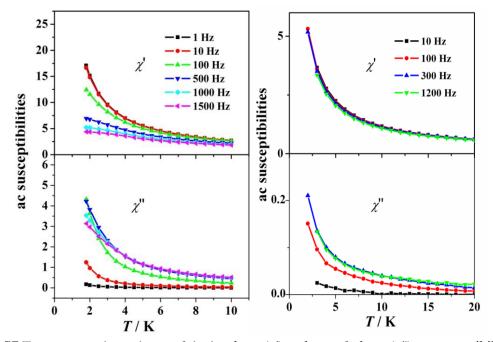


Fig. S7 Temperature dependence of the in-phase (χ') and out-of-phase (χ'') ac susceptibility of 1 and 2 under zero field in the frequency range 1–1500 Hz at 1.8–10 K (1) and 1.8–20 K (2).