

Supplementary Information

Chiral two-dimensional metal–organic frameworks based on Zn(salen) ligands: subcomponent self-assembly and circularly polarised luminescence

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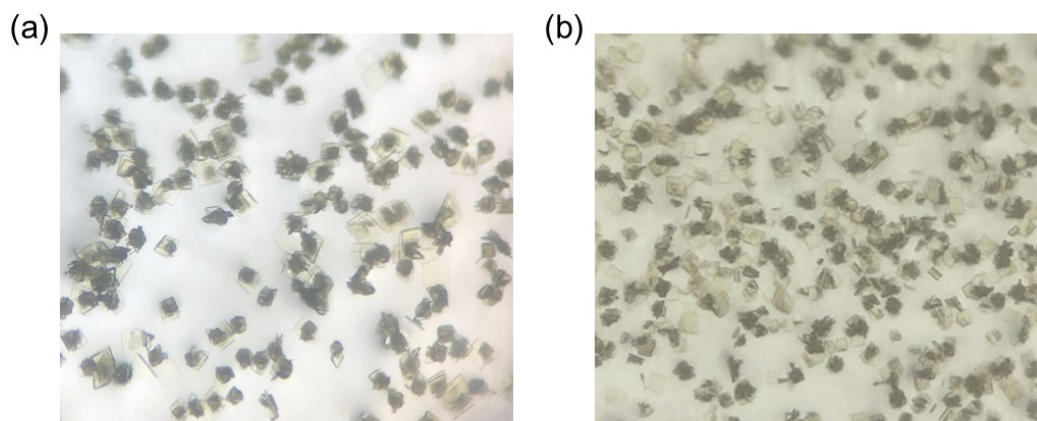


Fig. S1 Microscopy images of single crystals of the (a) (*R*)-1 and (b) (*S*)-1.

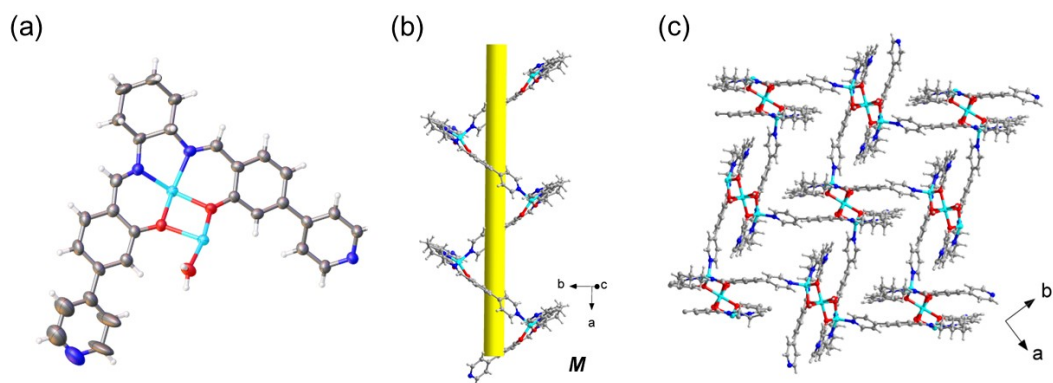


Fig. S2 Crystal structure of (*S*)-1: (a) The asymmetric unit with 50% probability thermal ellipsoids, (b) left-handed (*M*) 2_1 helical chain in (*S*)-1 along the *b*-axis, (d) view of the 2D framework. Color scheme: Zn, cyan; N, blue; C, gray; O, red; H, white.

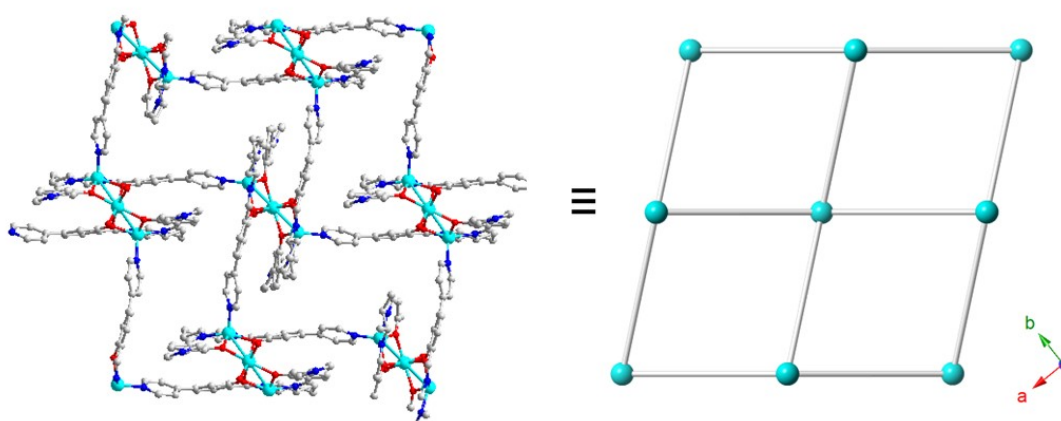


Fig. S3 Topological net of (*R*)-1 with **sql** topology.

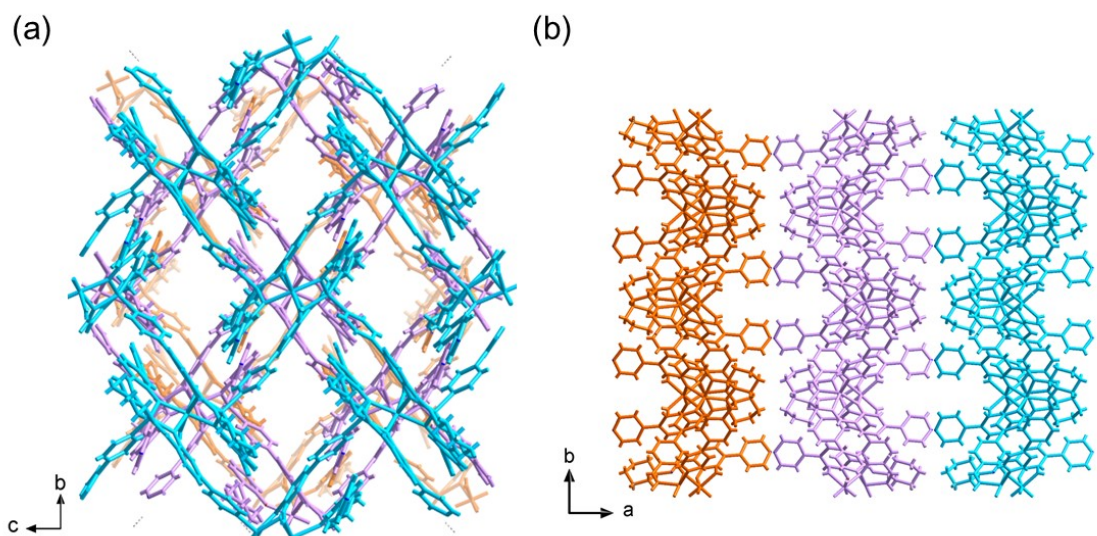


Fig. S4 Three-dimensional stacking structure of (R)-1 viewed from the (a) a-axis and (b) c-axis. The three layers are labeled lavender, sky blue, and orange, respectively.

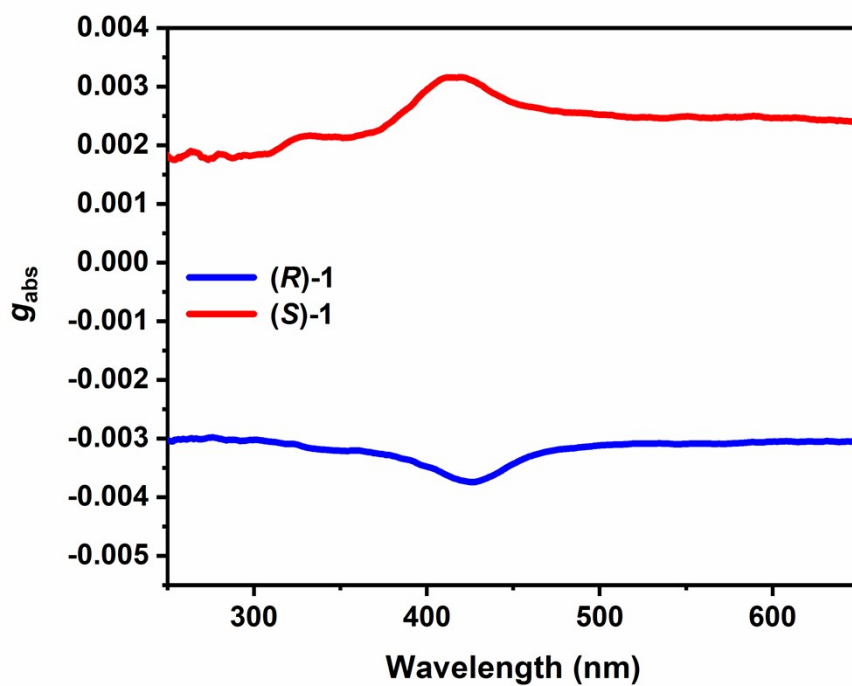


Fig. S5 The g_{abs} spectra of (R)-1 and (S)-1 in the solid state.

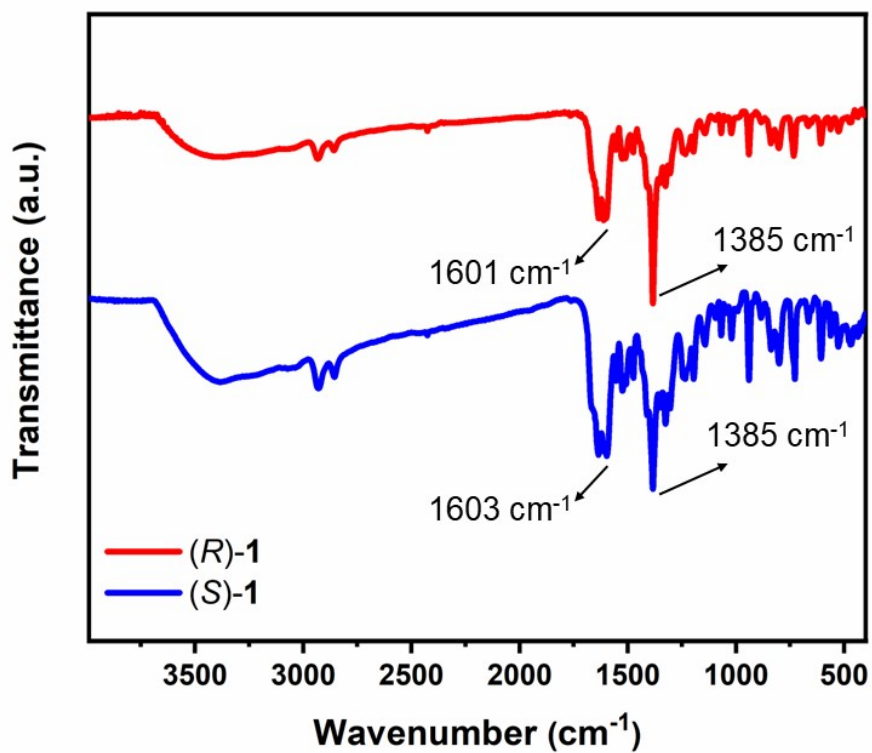


Fig. S6 Fourier-transform infrared spectra of (R)-1 and (S)-1.

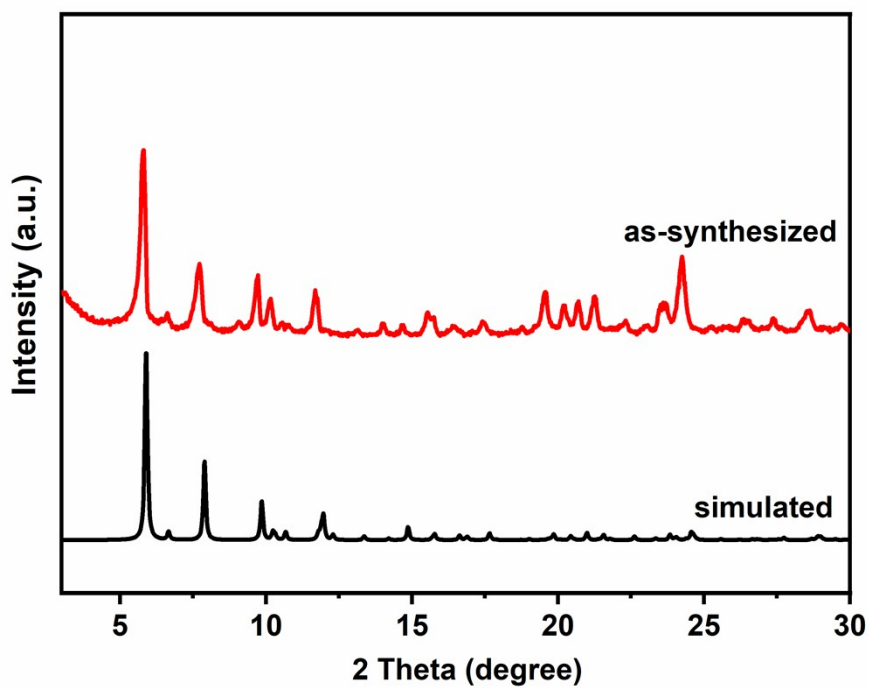


Fig. S7 PXRD pattern of (S)-1 simulated and as-synthesized samples.

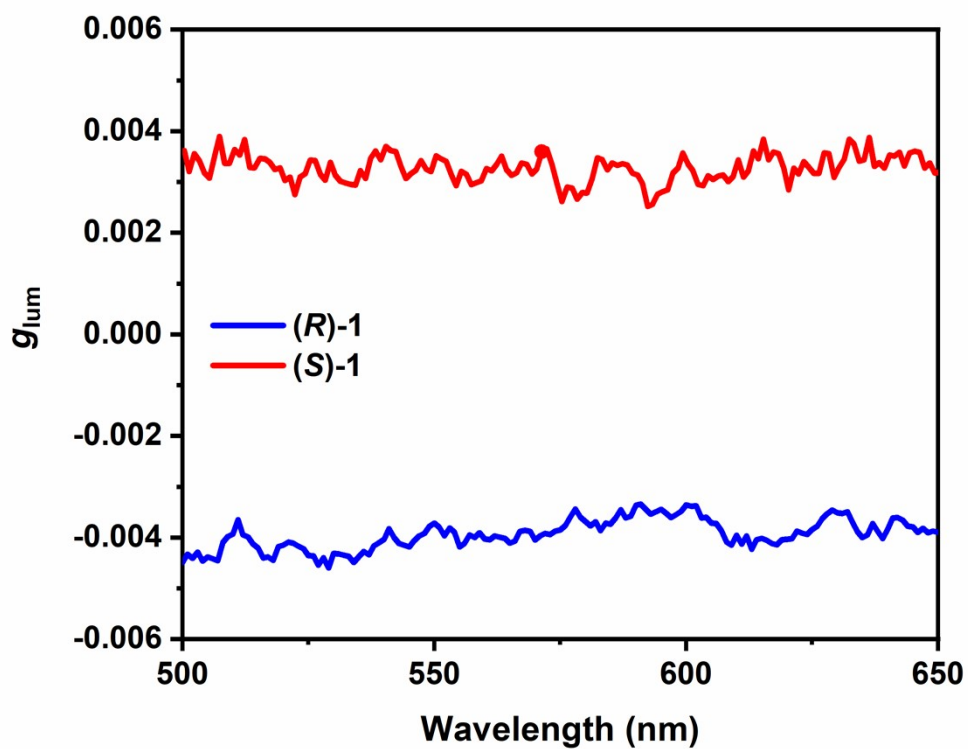


Fig. S8 The g_{lum} plots of (R)-1 and (S)-1 in the solid state.

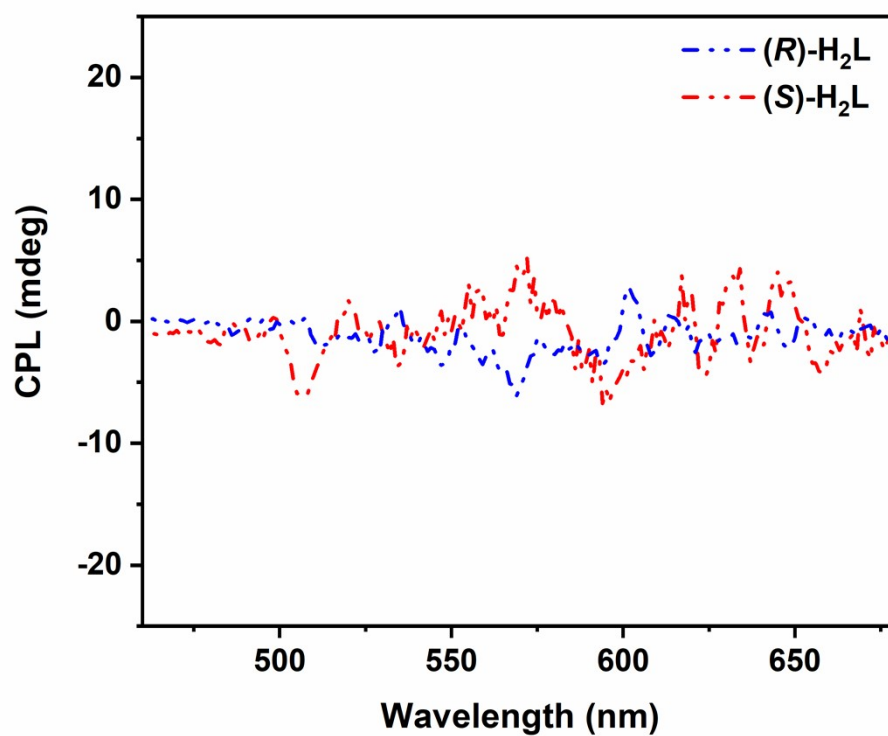


Fig. S9 CPL spectra of (R)-H₂L and (S)-H₂L in the solid state.