



STRUCTURAL
CHEMISTRY

Volume 75 (2019)

Supporting information for article:

Structural diversity, magnetic properties and luminescence of Ni^{II}, Co^{II} and Zn^{II} coordination polymers derived from 3,3'-[(5-carboxy-1,3-phenylene)bis(oxy)]dibenzoic acid and 1,10-phenanthroline

Dong-Dong Yang, Li-Ping Lu and Miao-Li Zhu

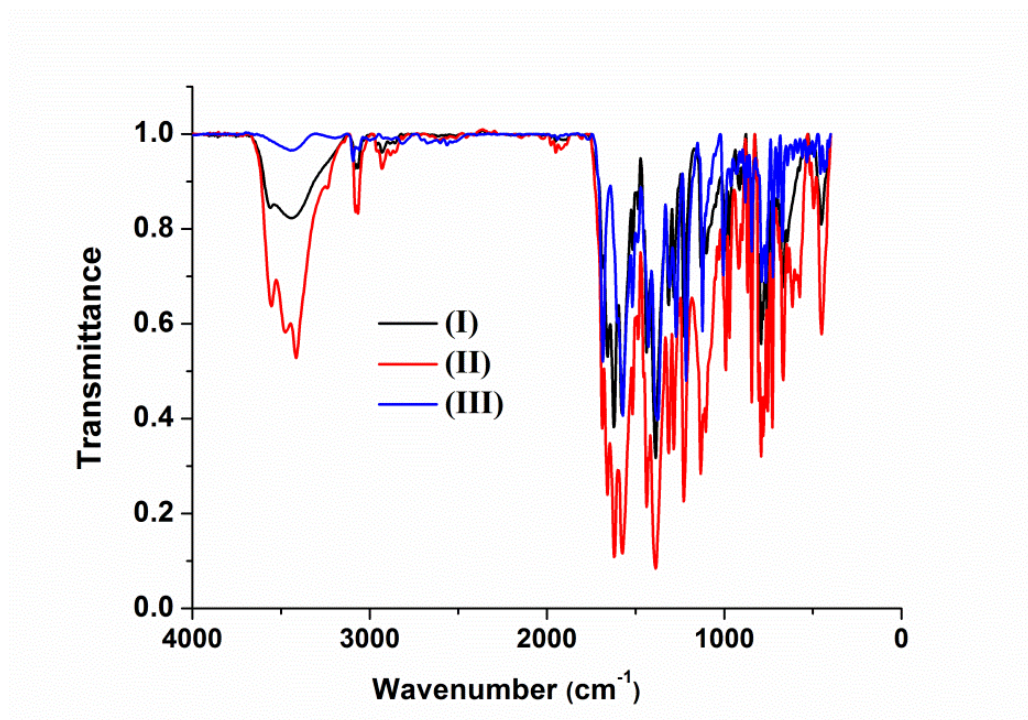


Fig. S1 FT-IR spectra of (I)-(III)

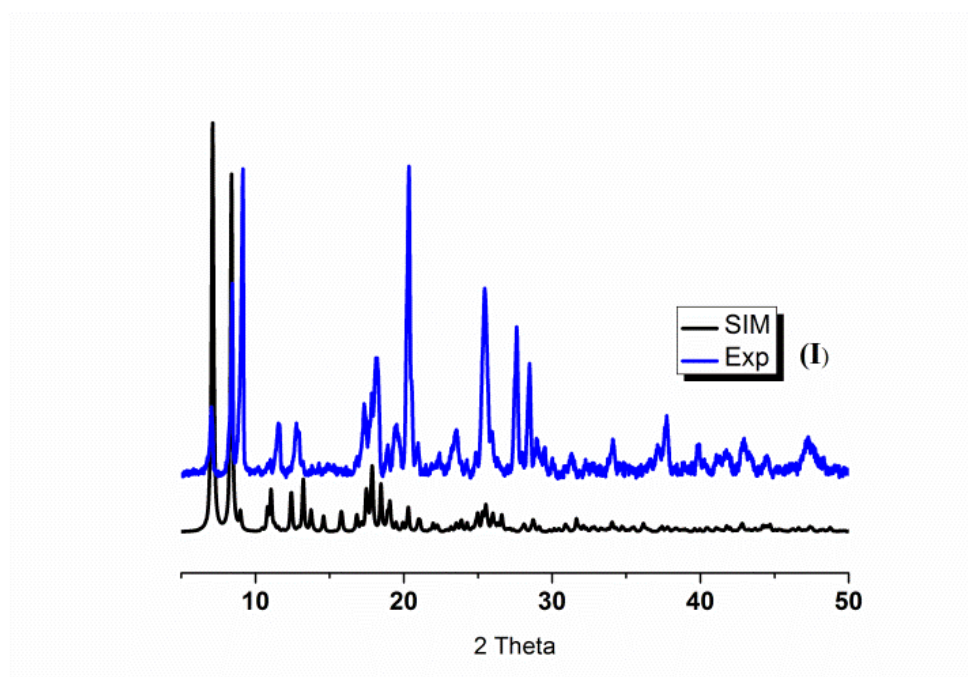


Fig. S2 PXRD patterns of complex (I) at room temperature. Blue patterns correspond to the experimental data obtained using the as-synthesized bulk samples. Black patterns were simulated from the single crystal X-ray data.

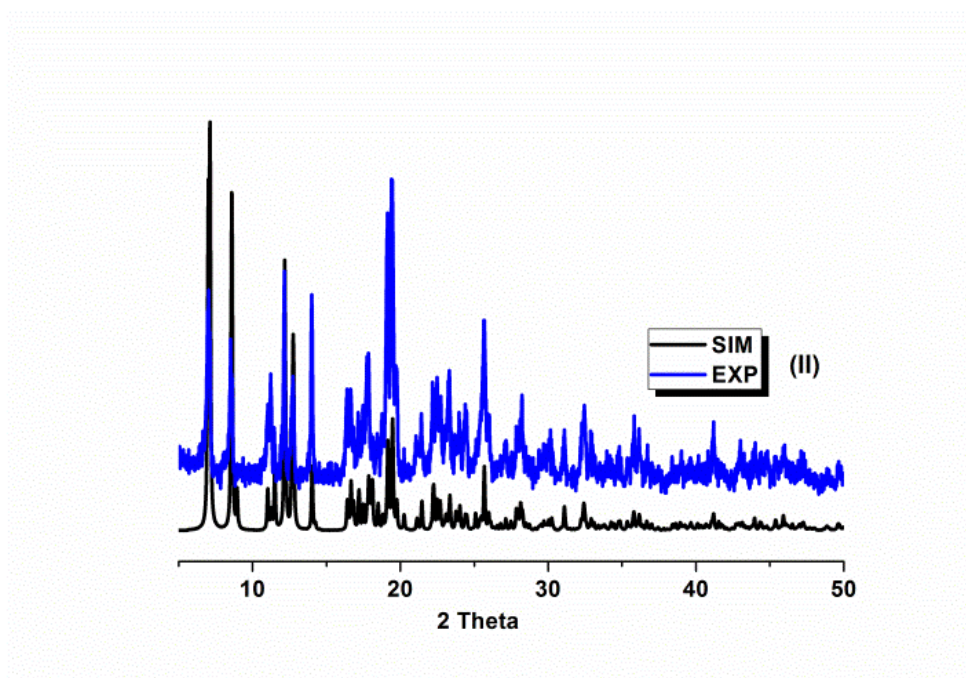


Fig. S3 PXRd patterns of (II) at room temperature. Blue patterns correspond to the experimental data obtained using the as-synthesized bulk samples. Black patterns were simulated from the single crystal X-ray data.

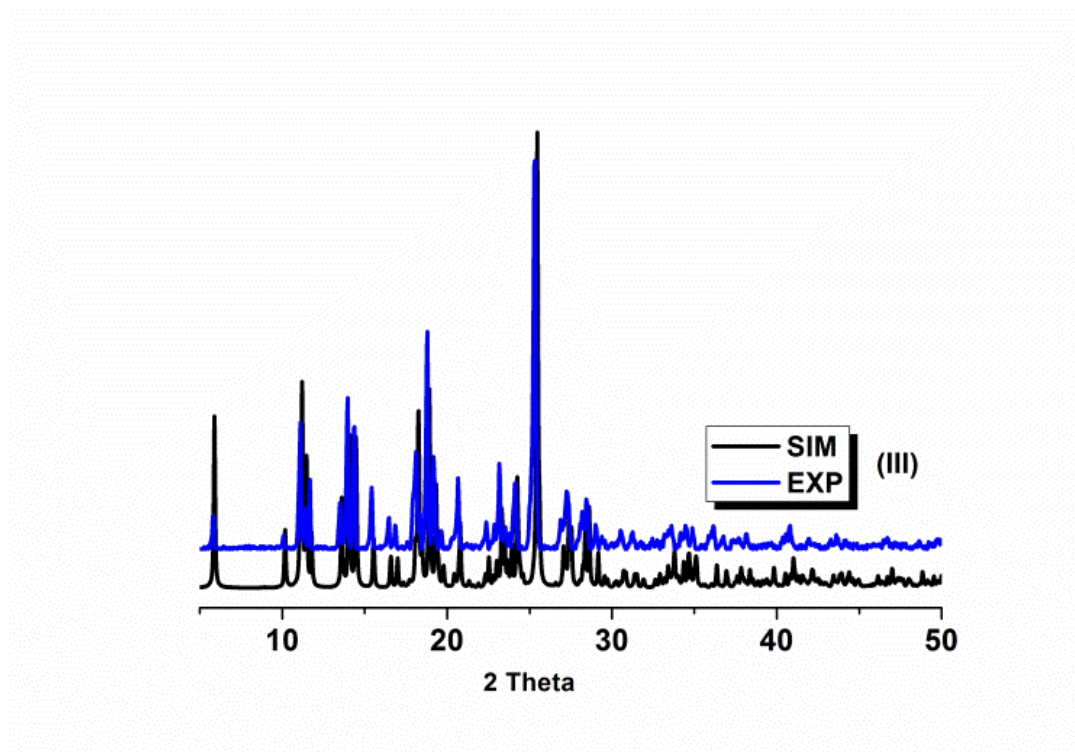


Fig. S4 PXRD patterns of complex (III) at room temperature. Blue patterns correspond to the experimental data obtained using the as-synthesized bulk samples. Black patterns were simulated from the single crystal X-ray data.

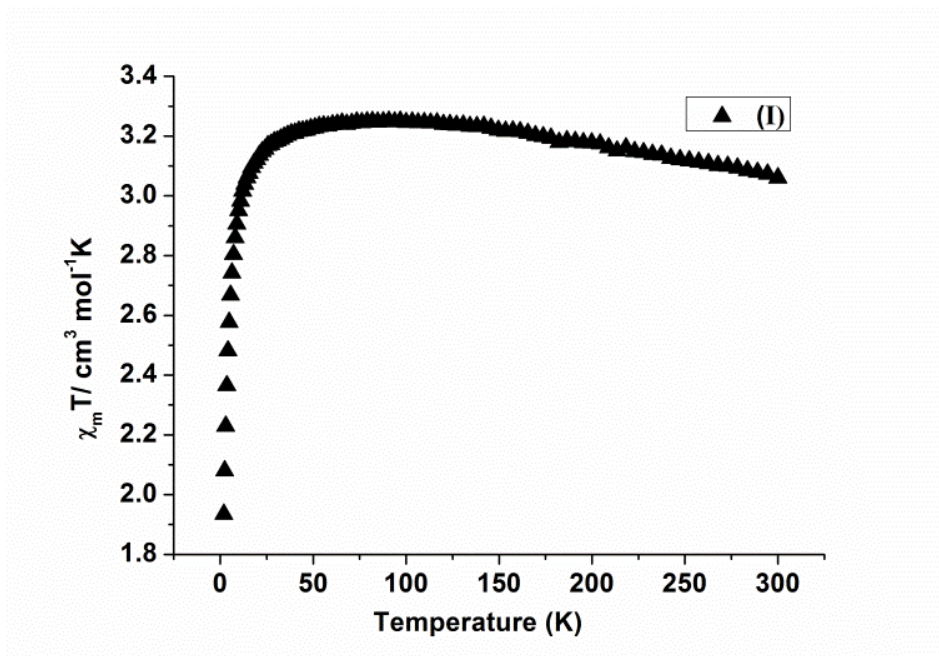


Fig. S5 Temperature dependence of $\chi_M T$ for complex (I)

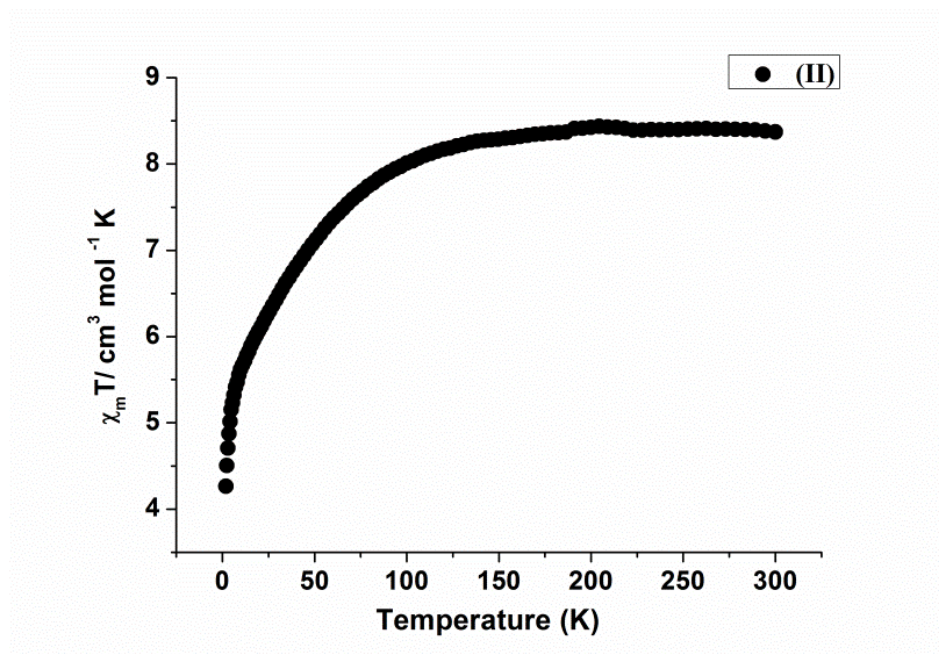


Fig. S6 Temperature dependence of $\chi_M T$ for complex (II)

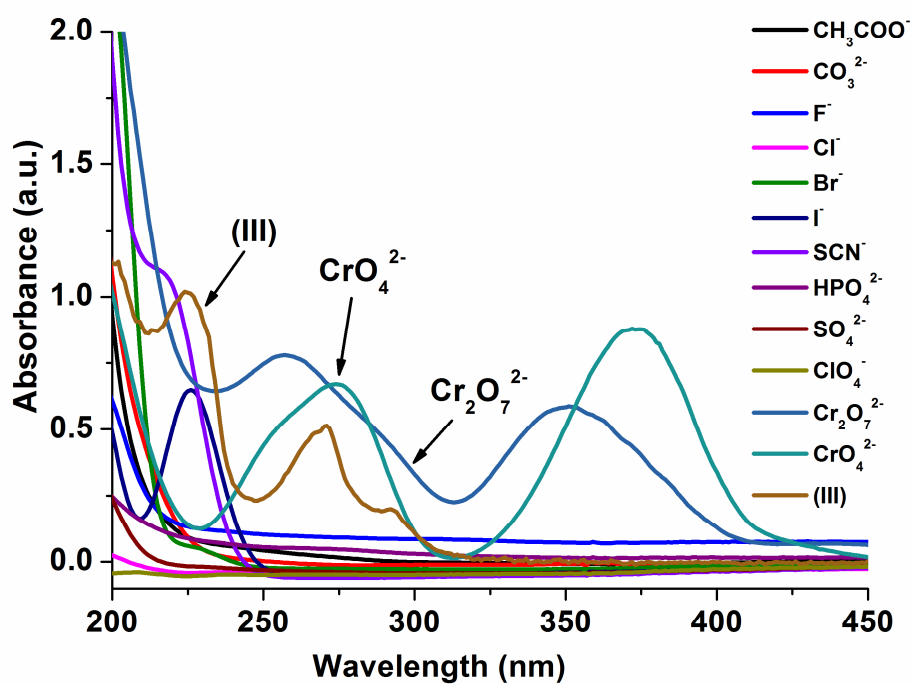


Fig. S7 Liquid UV-vis spectra of complex (III) and anion in the aqueous solution