

Zinc(II) and Cadmium(II) Carboxyphosphonates with a 3D Pillared-Layered Structure: Synthesis, Crystal Structures, High Thermal Stabilities, and Luminescent Properties

Wei Chu, Yan-Yu Zhu, Zhen-Gang Sun,* Cheng-Qi Jiao, Jing Li, Shou-Hui Sun, Hui Tian and Ming-Jing Zheng

Supporting Information

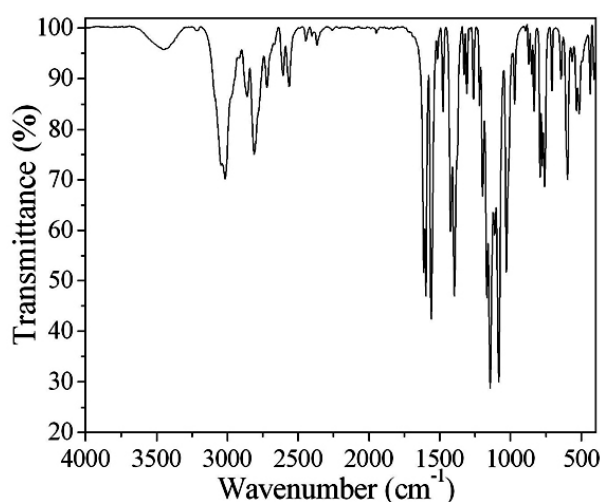


Fig. S1 The IR spectrum of compound 1.

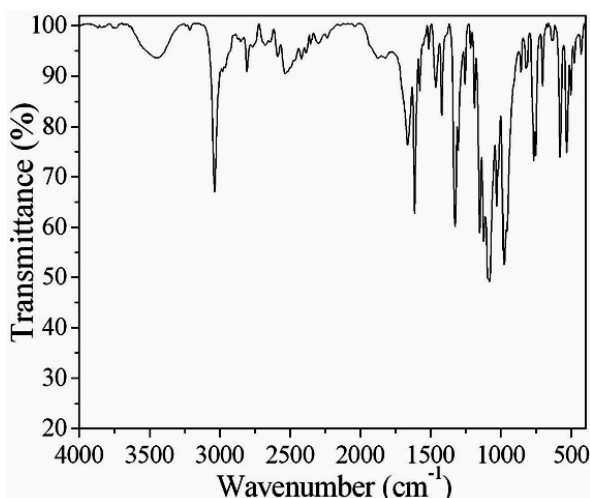


Fig. S2 The IR spectrum of compound 2.

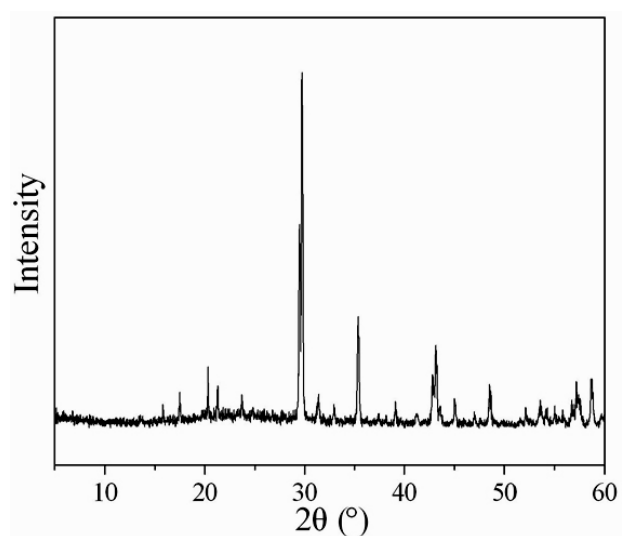


Fig. S3 The X-ray powder diffraction patterns of the intermediate compound in the thermal decomposition for compound **1**. The intermediate compound contains $\text{Zn}_2\text{P}_2\text{O}_7$ (JCPDS 00-007-0153).

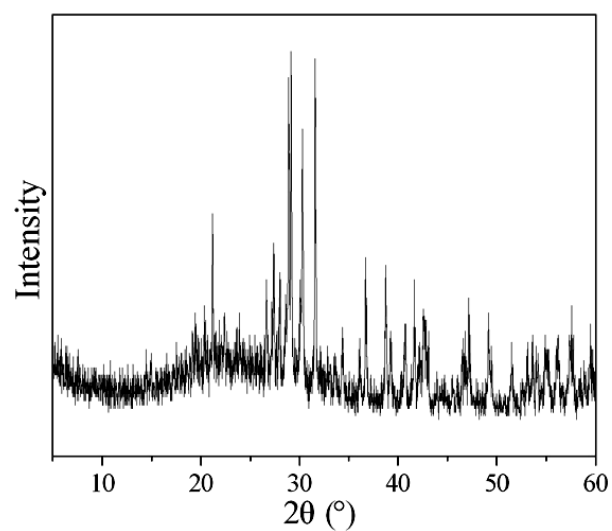


Fig. S4 The X-ray powder diffraction patterns of the intermediate compound in the thermal decomposition for compound **2**. The intermediate compound contains $\text{Cd}_2\text{P}_2\text{O}_7$ (JCPDS 00-031-0233).

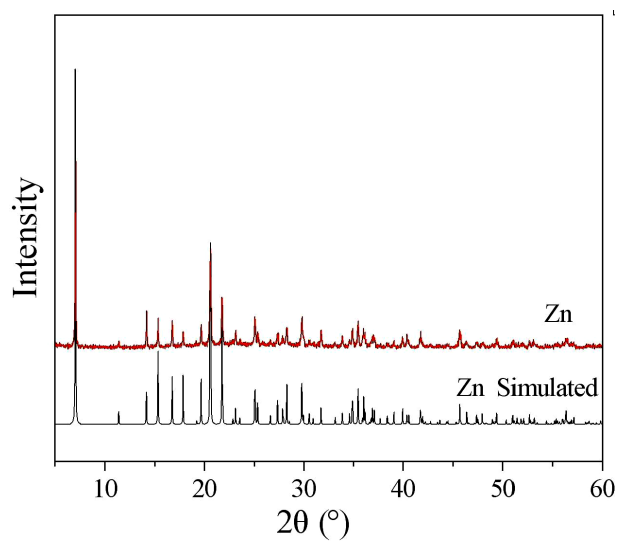


Fig. S5 The experimental powder XRD patterns and the simulated XRD patterns of compound **1**.

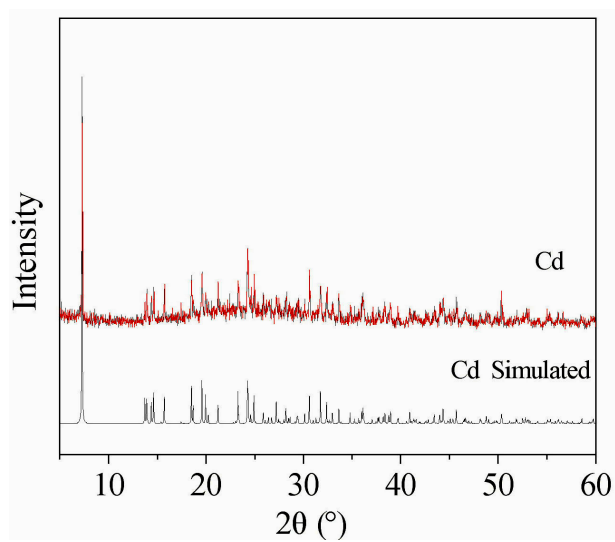


Fig. S6 The experimental powder XRD patterns and the simulated XRD patterns of compound **2**.