

Supplementary information

Syntheses, crystal structures, thermal stabilities and luminescence of two metal phosphonates

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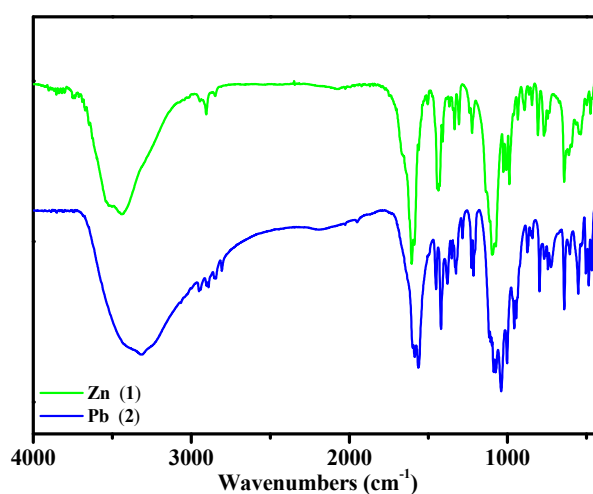


Fig. S1 IR curves of 1 and 2.

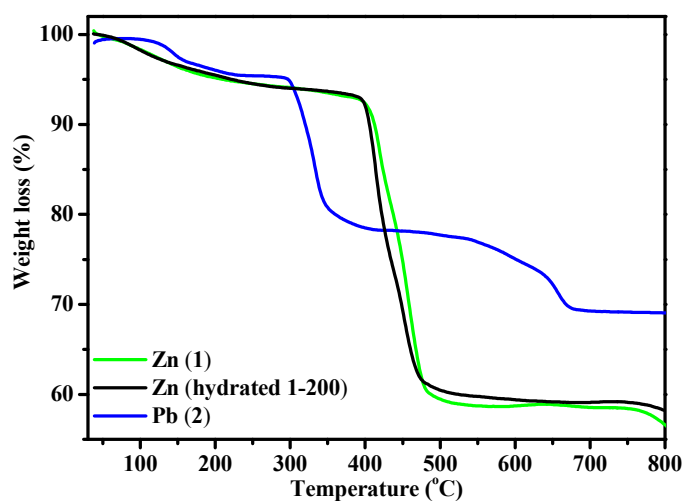


Fig. S2 TGA curves of 1-2, as well as hydrated 1-200 which indicates solid 1-200 has been dipped in water for two days.

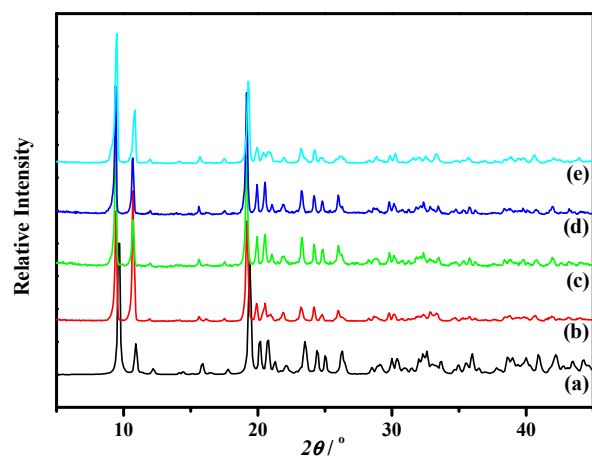


Fig. S3 The XRD patterns of **1** simulated from single-crystal X-ray data (a), as well as experimental data for solids **1** (b), **1-250** (c), **1-300** (d) and **1-350** (e).

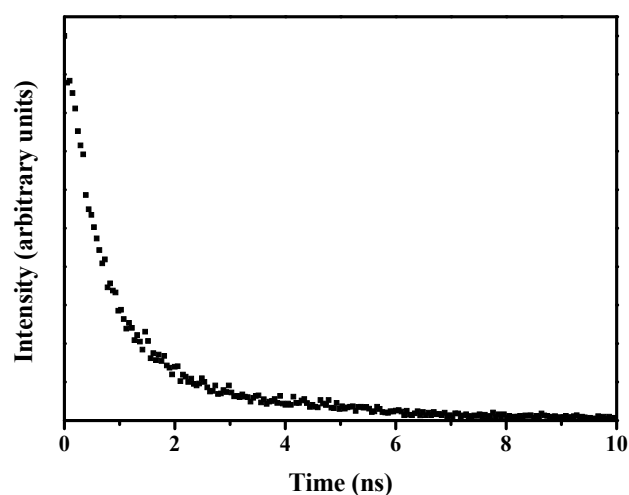


Fig. S4 Room-temperature solid-state fluorescent intensity as a function of time for solid **1** with $\lambda_{\text{em}} = 426$ nm.

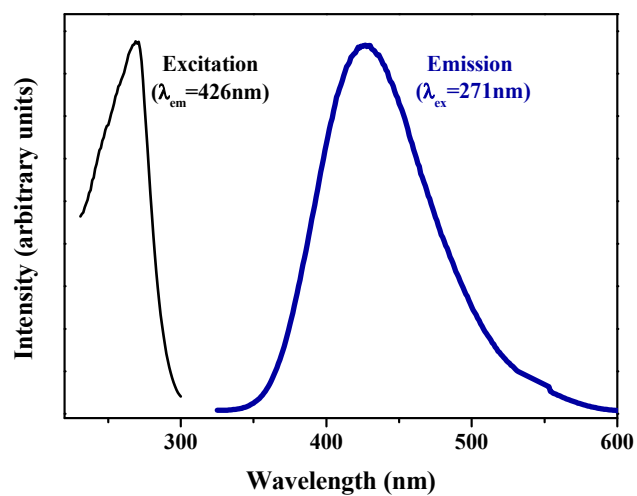


Fig. S5 Emission and excitation spectra of as-prepared **1**.

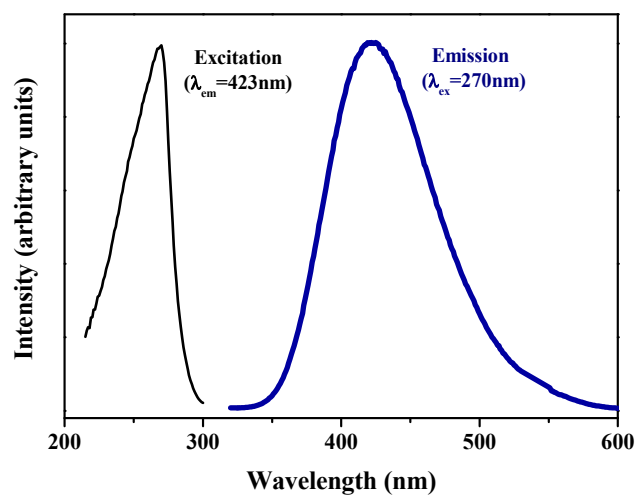


Fig. S6 Emission and excitation spectra of solid **1-250**.

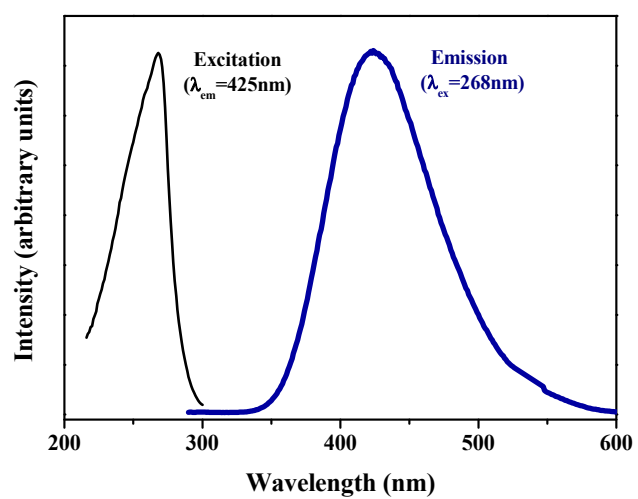


Fig. S7 Emission and excitation spectra of solid **1-300**.