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.