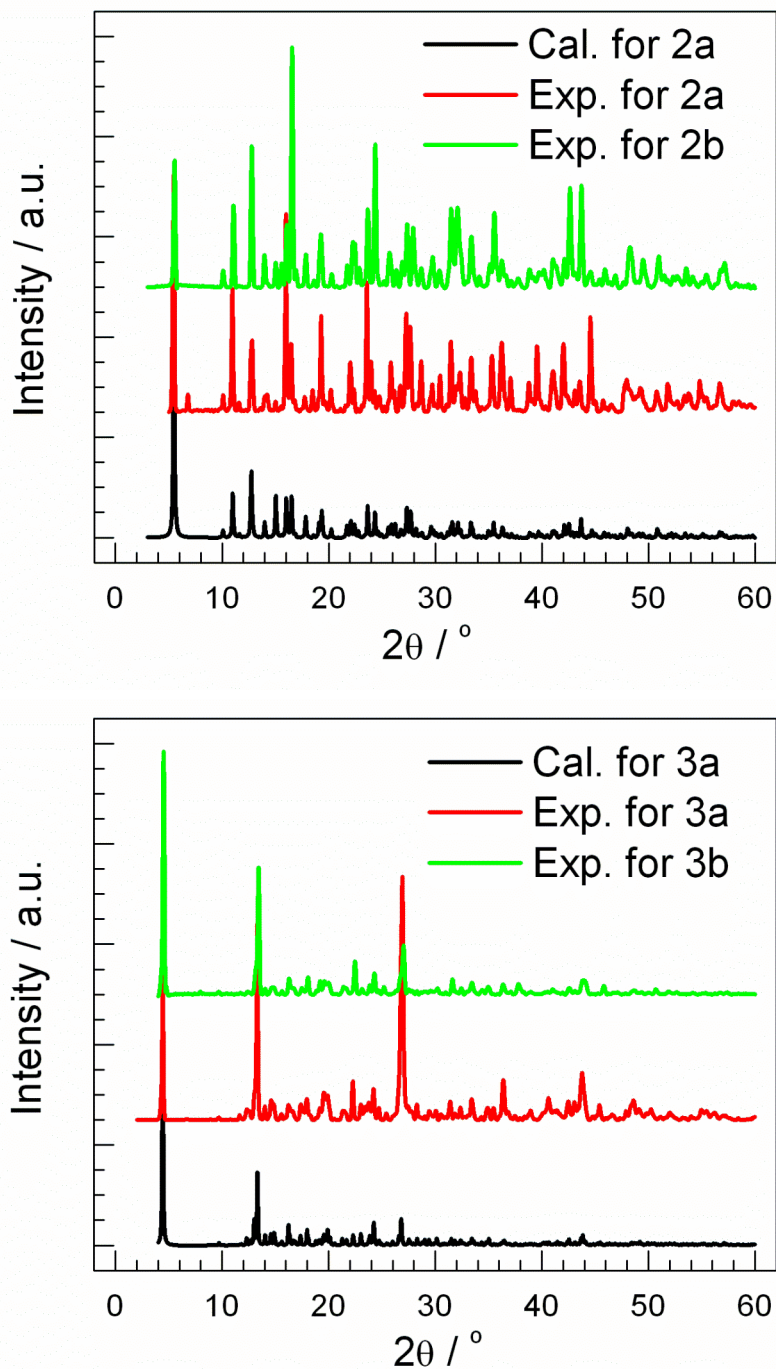


## Supporting Information

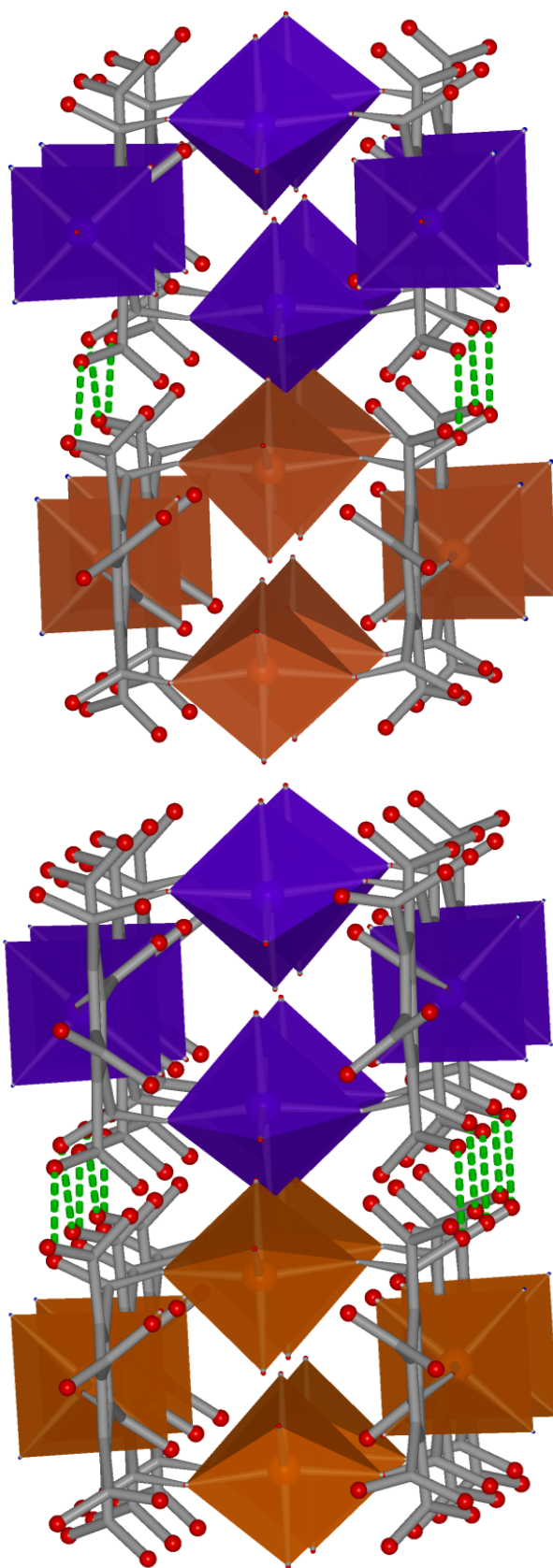
### Mellitate-Based Coordination Polymers with a Recurring Motif: Controlling Dimensionality with Secondary Ligands

Meng-Yuan Li and Slavi C. Sevov\*



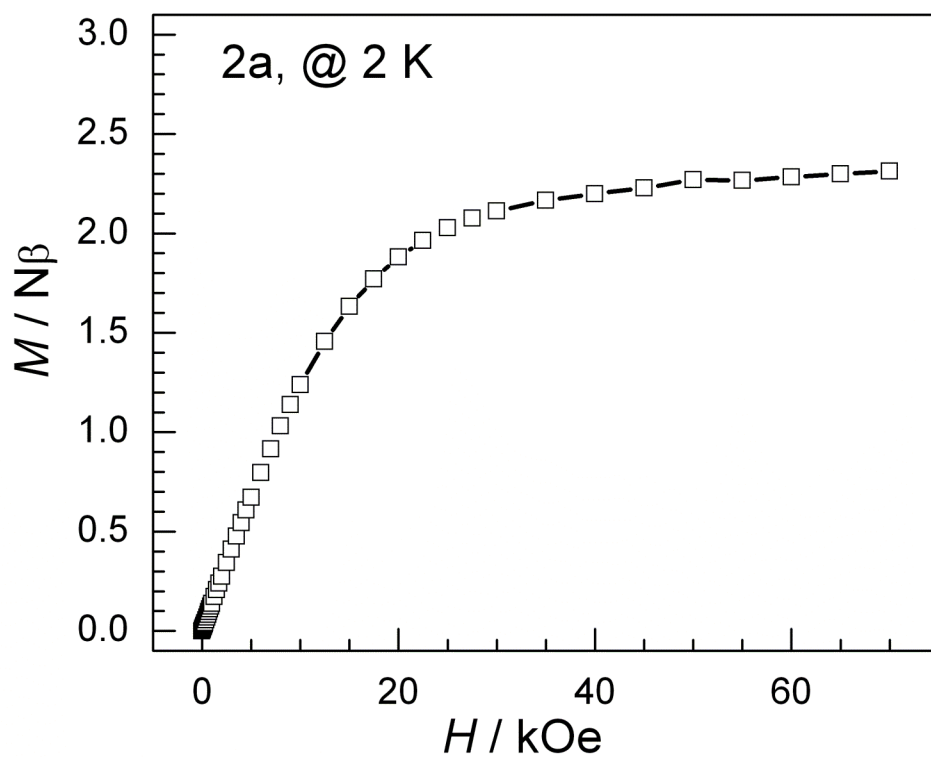
**Figure S1.** Calculated and experimental PXRD patterns for compounds **2a**, **2b**, **3a**, and **3b**

## Supporting Information



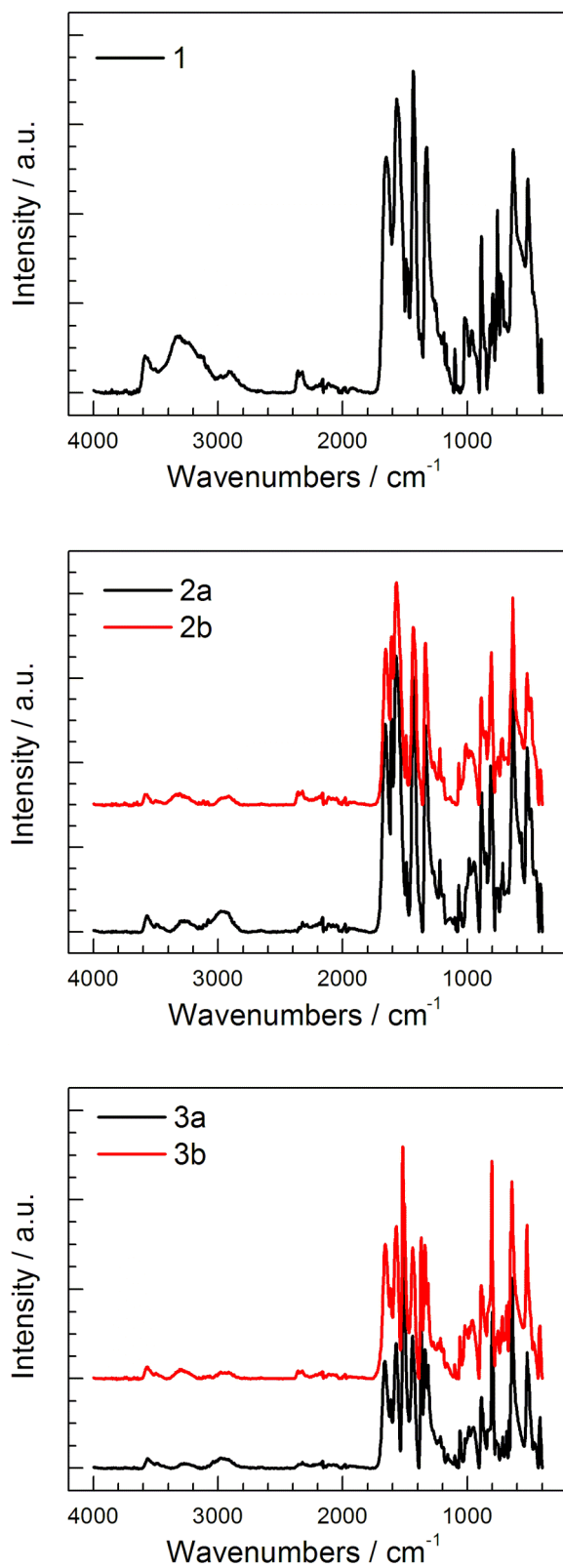
**Figure S2.** Hydrogen bonds between the 1D-SBUs in compounds **2** (top) and **3** (bottom).

## Supporting Information



**Figure S3.** Magnetization vs.  $H$  at 2 K for **2a**.

## Supporting Information



**Figure S4.** The IR spectra of the five compounds