

## Supporting Information

### **New Zinc Germanates Incorporating Organic Amine Ligands: Solvothermal Synthesis and Structural Characterization of $\text{Zn}_2\text{Ge}_4\text{O}_{10}(\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NH}_2)$ and $\text{ZnGe}_2\text{O}_5(\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2)$**

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**Figure S1.** Experimental (bottom) and simulated (top) X-ray powder patterns of  $\text{Zn}_2\text{Ge}_4\text{O}_{10}(\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NH}_2)$  (compound **1**).

**Figure S2.** Experimental (bottom) and simulated (top) X-ray powder patterns of  $\text{ZnGe}_2\text{O}_5(\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2)$  (compound **2**).

**Figure S3.** Infrared spectrum of **1** (KBr pellet method)

**Figure S4.** Infrared spectrum of **2** (KBr pellet method)

**Figure S5.** Thermogravimetric analysis of compound **1** in flowing  $\text{N}_2$  at  $10\text{ }^\circ\text{C min}^{-1}$  from 40 to  $1000\text{ }^\circ\text{C}$ .

**Figure S6.** Thermogravimetric analysis of compound **2** in flowing  $\text{N}_2$  at  $10\text{ }^\circ\text{C min}^{-1}$  from 40 to  $1000\text{ }^\circ\text{C}$ .

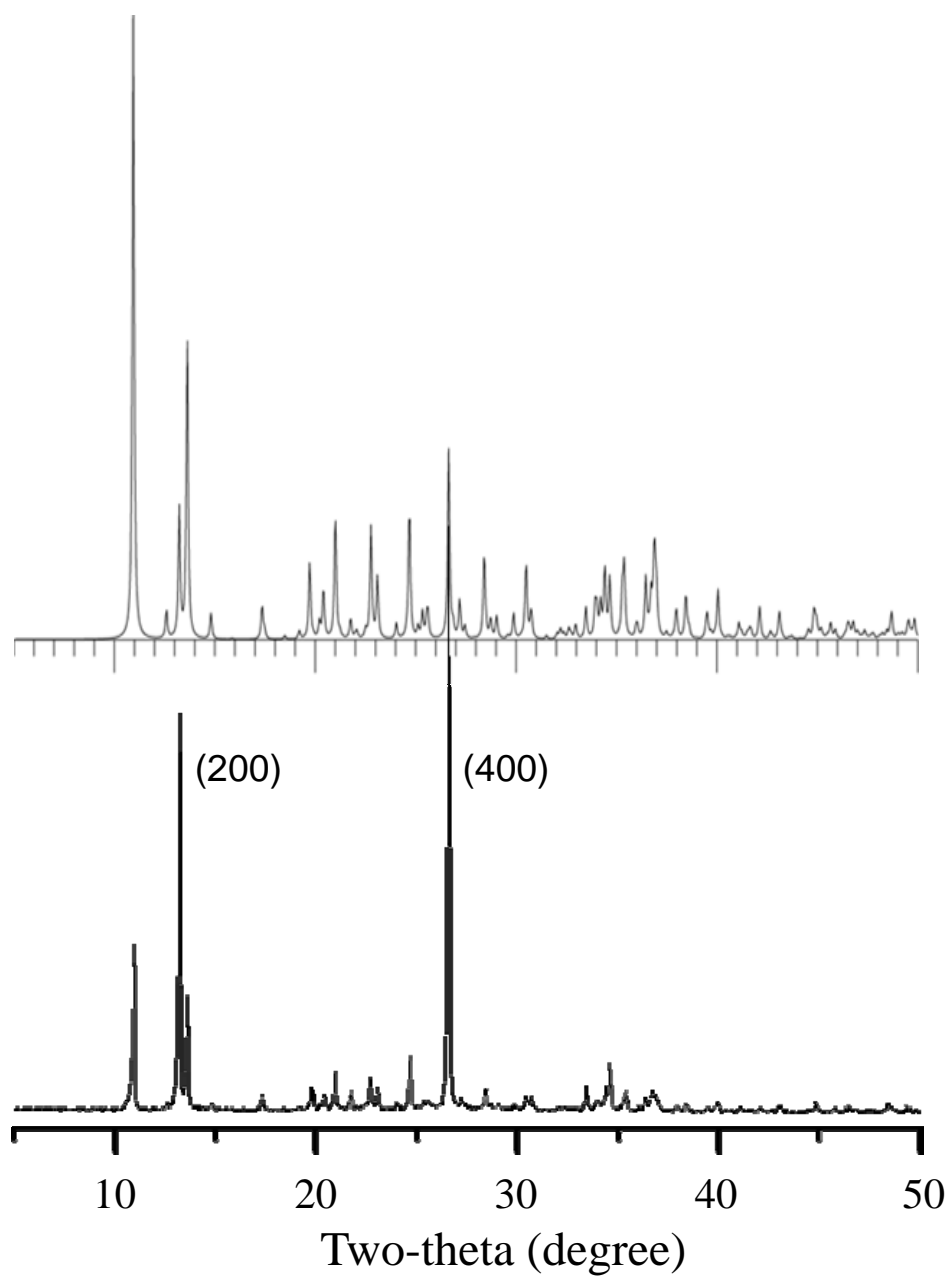


Figure S1

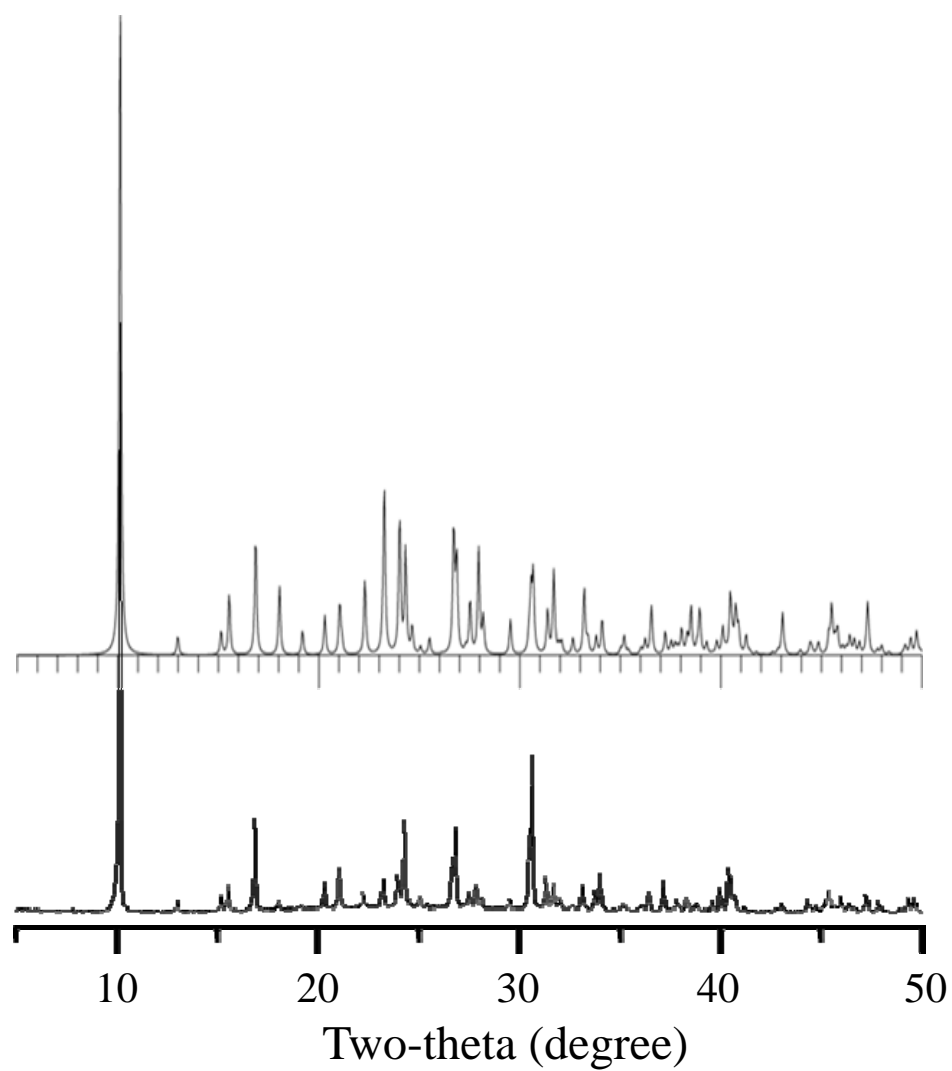


Figure S2

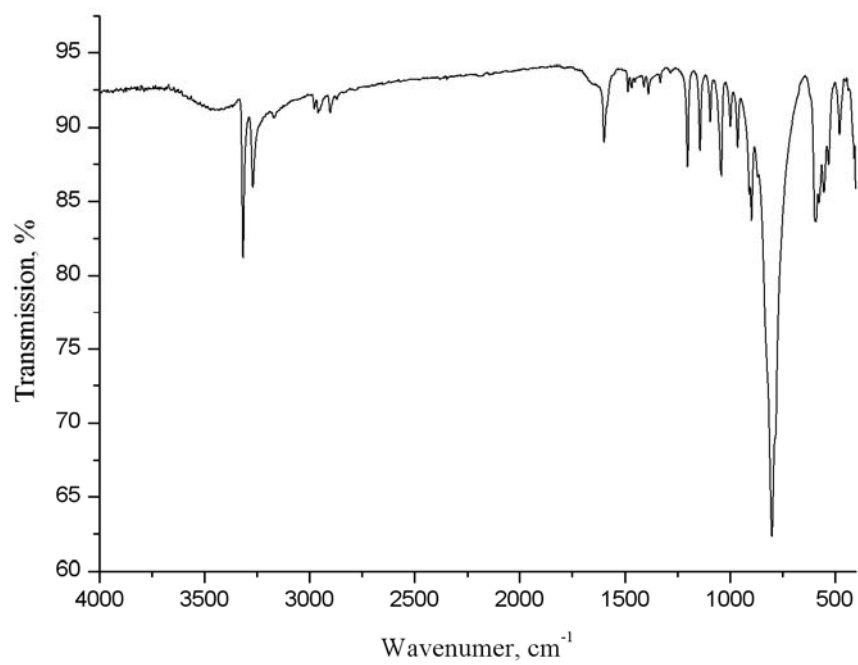


Figure S3

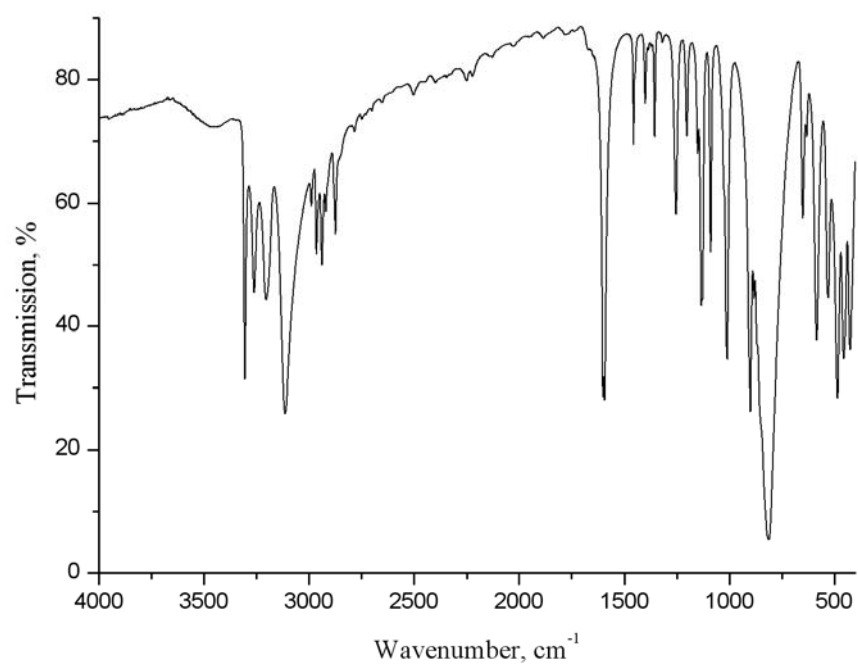


Figure S4

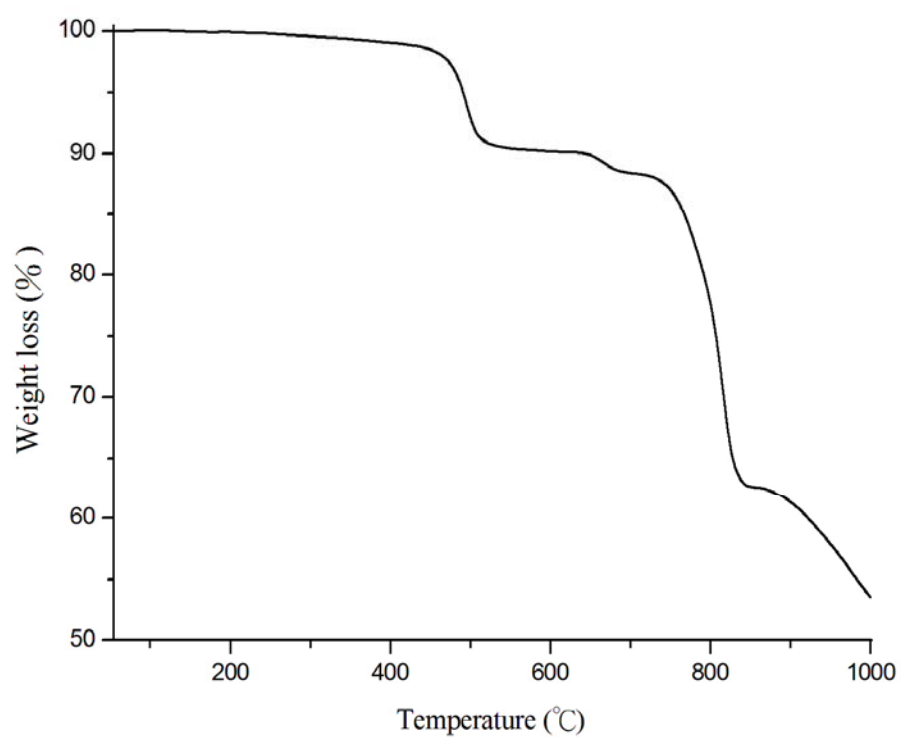


Figure S5

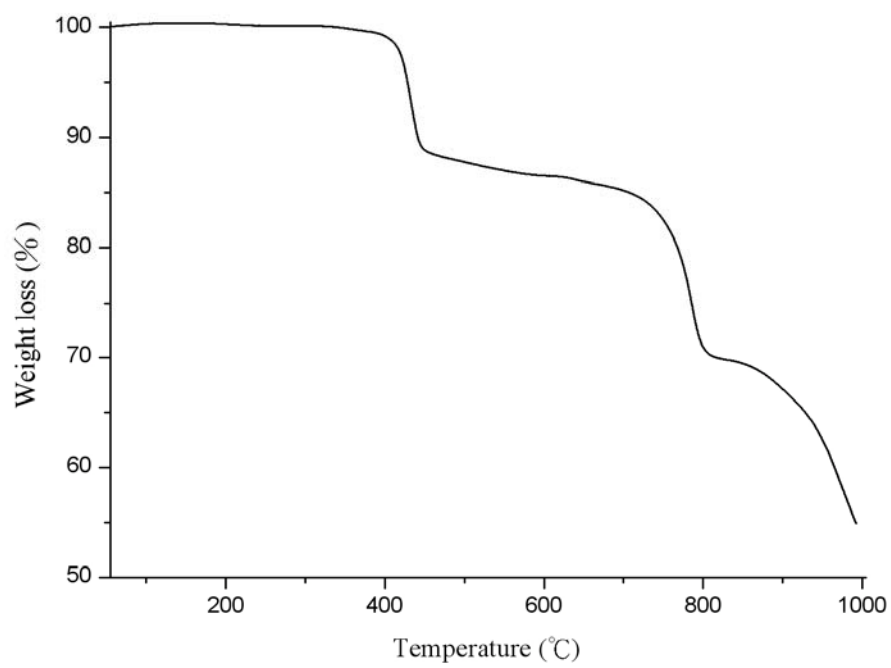


Figure S6