Supporting Information

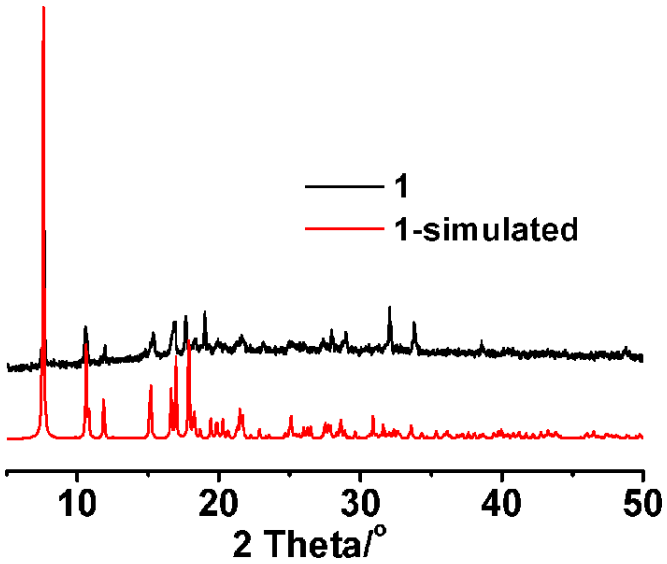

Figure S1. Powder X-ray diffraction patterns for compound **1** and **1**-simulated from single crystal data.

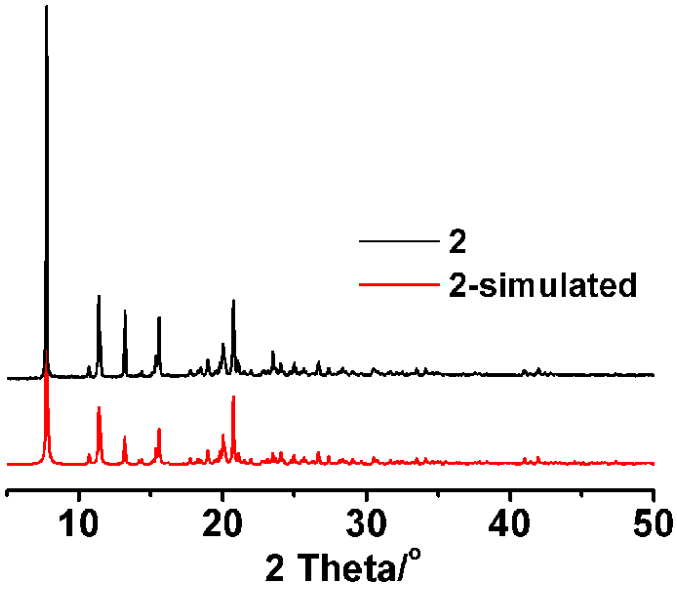

Figure S2. Powder X-ray diffraction patterns for compound **2** and **2**-simulated from single crystal data.

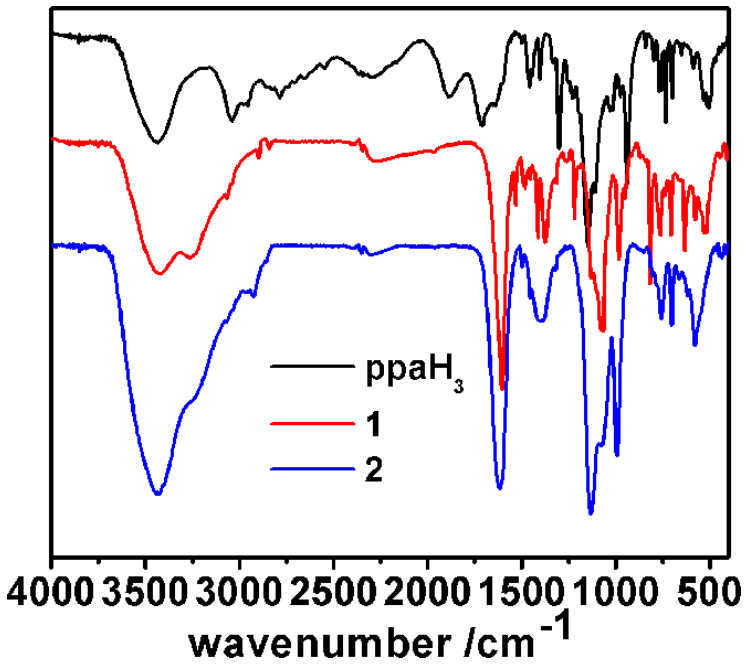

Figure S3. The IR spectra of compounds **1** and **2.**

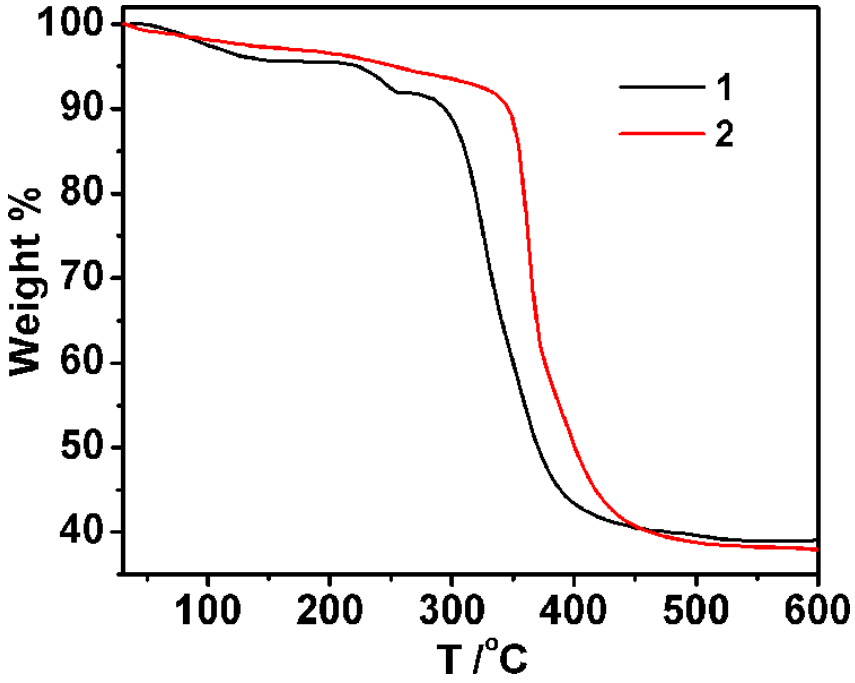

Figure S4. Thermal analyses of compounds **1** and **2**.

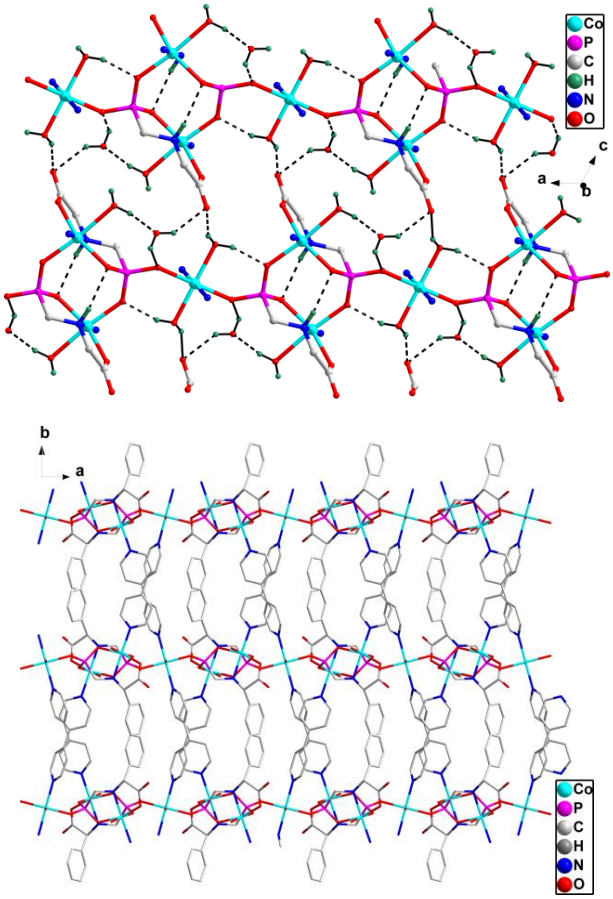

Figure S5. Packing diagram of complex **1** projected along the *c*-axis.

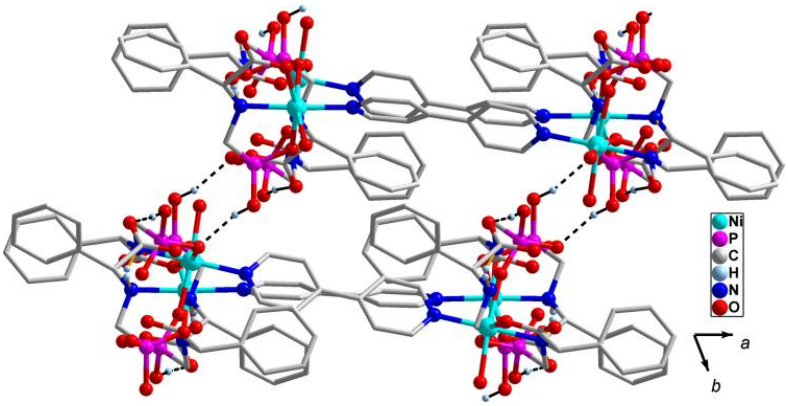

Figure S6. Packing diagram of complex **2** projected along the *c*-axis. The inter-layer hydrogen bonds are highlighted in dotted lines.

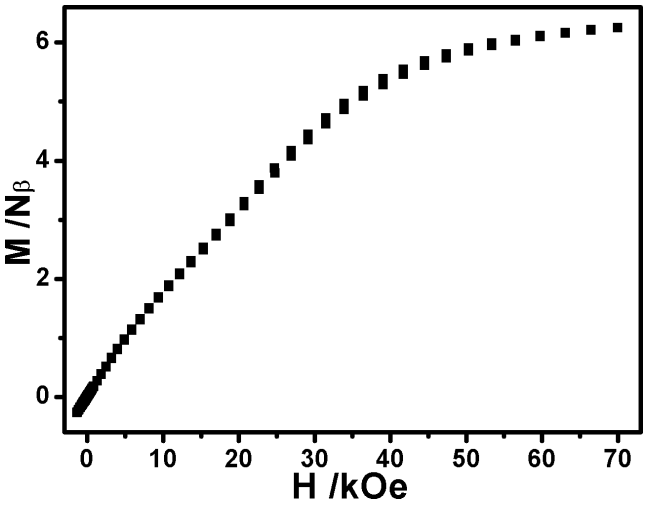

Figure S7. Plot of *M vs. H* for compound **1** at 1.8 K.

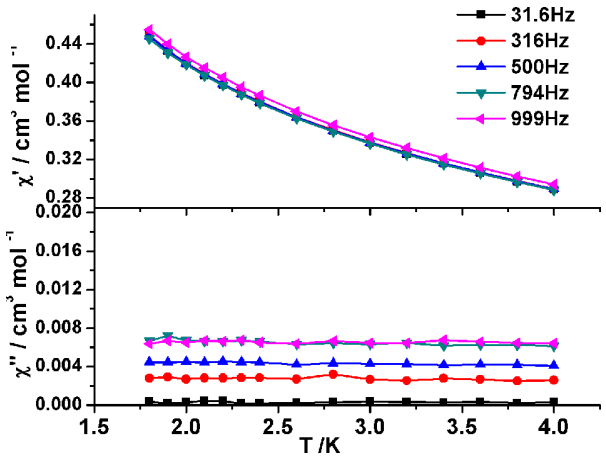

Figure S8. Temperature dependence of *ac* susceptibilities at frequencies of 31.6, 316, 500, 794 and 999 Hz for **1** under a zero *dc* field.

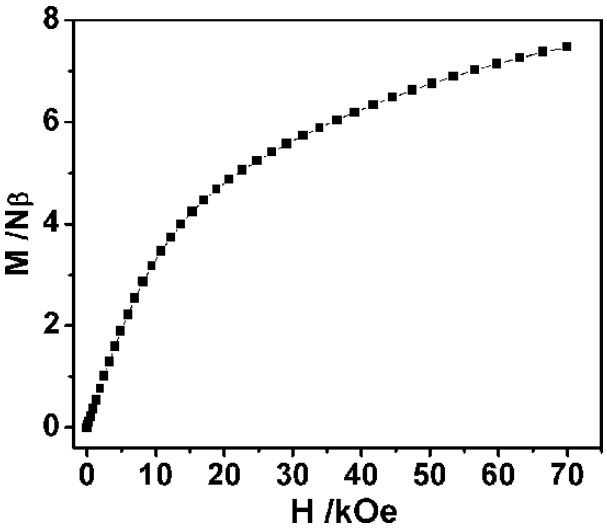

Figure S9. Plot of *M vs. H* for compound **2** at 1.8 K.