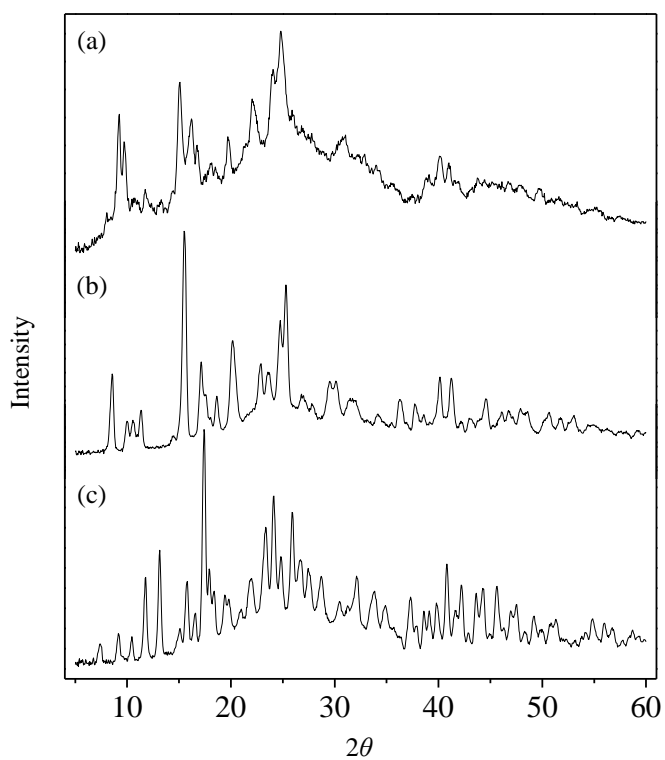


<Electronic Supplementary Information>

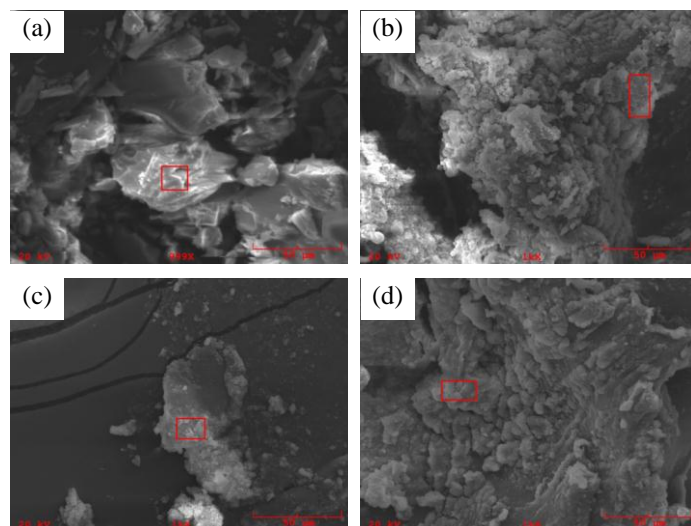
**Insight into the crystallization process: relationships between crystal structures and properties of copper(II) coordination polymers containing dimethylbis(4-pyridyl)silane**

So Yun Moon, Tae Hwan Noh and Ok-Sang Jung\*

Department of Chemistry, Pusan National University, Pusan 609-735, Korea

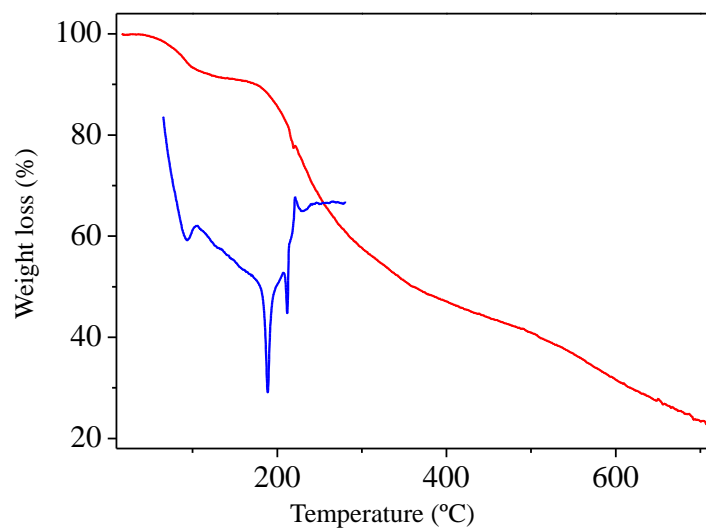


**Fig. S1.** Powder XRD data of  $[\text{Cu}(\text{L})_2\text{Br}_2]$  (a),  $[\text{Cu}(\text{L})_2\text{Br}]\text{Br}\cdot 2\text{Me}_2\text{SO}$  (b), and  $[\text{Cu}(\text{L})\text{Br}_2(\text{O}-\text{Me}_2\text{SO})]\cdot \text{Me}_2\text{SO}$  (c).



	C	N	B	O	F	Si	Cl	Br	Cu
[Cu(L) <sub>2</sub> Br]Br ·2Me <sub>2</sub> SO	62.292	5.884	–	–	–	11.418	–	13.939	6.467
[Cu(L) <sub>2</sub> Br]BF <sub>4</sub>	62.262	8.490	2.662	–	10.884	7.3981	–	4.003	3.718
[Cu(L) <sub>2</sub> Br]ClO <sub>4</sub>	58.844	6.740	–	14.212	–	7.838	3.710	4.675	3.980
[Cu(L) <sub>2</sub> Br]NO <sub>3</sub>	59.217	11.552	–	12.578	–	8.296	–	4.876	3.481

**Fig. S2.** SEM images and EDX data for [Cu(L)<sub>2</sub>Br]Br (a), [Cu(L)<sub>2</sub>Br]BF<sub>4</sub> (b), [Cu(L)<sub>2</sub>Br]ClO<sub>4</sub> (c), and [Cu(L)<sub>2</sub>Br]NO<sub>3</sub> (d).



**Fig. S3.** TGA (red) and DSC (blue) curves of  $[\text{Cu}(\text{L})_2\text{Br}][\text{Br}\cdot 2\text{H}_2\text{O}]\cdot 4\text{CH}_3\text{OH}$ .

