Electronic Supplementary Information

Cleaving the framework of CuX with a tetrapyrazolyl-based ligand to construct [CuX]_n-based coordination polymers

Liang Zhang,^a Zhi-Gang Ren,^a Hong-Xi Li,^a and Jian-Ping Lang*^{ab}

- ^a College of Chemistry, Chemical Engineering and Materials Science, Suzhou University, Suzhou 215123, P. R.
- China. Fax: +86 512 65880089; Tel: +86 512 65882865; E-mail: jplang@suda.edu.cn
- ^b State Key Laboratory of Coordination Chemistry, Nanjing University, Nanjing 210093, P. R. China.
- 15

5

10



Figure S1. Experimental (down) and simulated (up) PXRD patterns for 1 and 2.



Figure S2. Experimental (down) and simulated (up) PXRD patterns for 3.



Figure S3 Experimental (down) and simulated (up) PXRD patterns for 4.



Figure S4. Experimental (down) and simulated (up) PXRD patterns for 5.



Figure S5. Cell packing diagram of 1 looking down along the 1, 0, 1 axis.



⁵ Figure S6. Cell packing diagram of 3 looking down along the 1, 0, 1 axis.



Figure S7. Cell packing diagram of 4 looking down along the 1, 0, 1 axis.



 ${}_{\scriptscriptstyle 5}$ Figure S8. View of the solvent molecules in compound 1.



Figure S9. View of the solvent molecules in compound 3.



Figure S10. Intermolecular CH- π interactions in 1



Figure S11. Intermolecular CH- π interactions in 3.



Figure S12. Intermolecular CH- π interactions in **4**.

10

5



Figure S13. Intermolecular CH- π interactions in **5**.

5