Supporting Information

Novel flexible bis-triazole bridged copper(II) coordination polymers varying from one- to three-dimensionality

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Catalogue:
X-Ray crystallography
Figure S1. The TGA digram for compound 1-4.
Figure S2. Infrared spectrum of compound 1.
Figure S3. Infrared spectrum of compound 2.
Figure S4. Infrared spectrum of compound 3.
Figure S4. Infrared spectrum of compound 4.

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X-Ray crystallography

All crystallographic data were carried out with a collected on an Oxford Diffractometer SuperNova TM, which were equipped with graphite monochromatic Mo-Ka radiation (\(\lambda = 0.71073 \ \text{Å}\)). Lorentz polarization and absorption corrections were applied. Structures were solved by direct methods with the SHELXTL-97 program and refined by full-matrix least-squares techniques against \(F^2\) with the SHELXTL-97 program package. All non-hydrogen atoms were refined anisotropically, and hydrogen atoms were located and refined isotropically. The perchlorate in all the four compounds showed disorder very seriously, so a lot of restraints were used to treat the problem.

Figure S1. The TGA digram for compound 1-4.
Figure S2. Infrared spectrum of compound 1.

Figure S3. Infrared spectrum of compound 2.
Figure S4. Infrared spectrum of compound 3.

Figure S5. Infrared spectrum of compound 4.