



STRUCTURAL
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Supporting information for article:

**The effect of the coordination orientation of N atoms on
polymeric structures: syntheses and characterization of one-
and two-dimensional Cu^{II} coordination polymers based on 4-
amino-3-(pyridin-2-yl)-5-[(pyridin-3-ylmethyl)sulfanyl]-1,2,4-
triazole**

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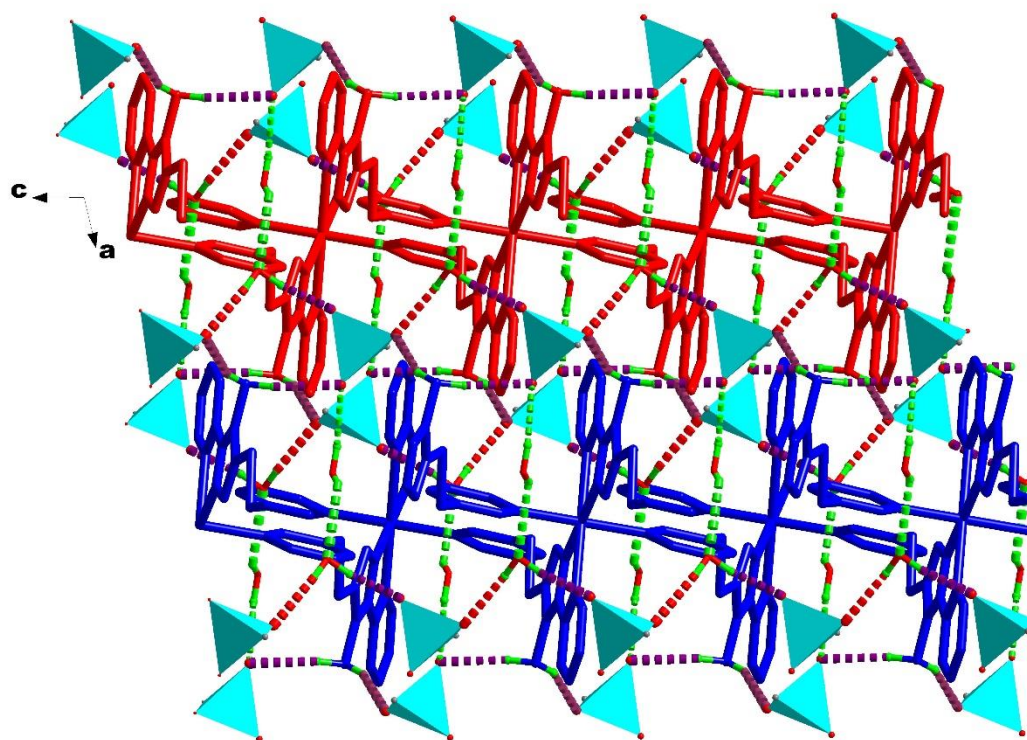


Fig. S1 The stacking fashion of adjacent rhombic grids in **1** as viewed along *b* axis: the blue polyhedrons represent the CH_3SO_3^- anions. The inter-layer $\text{N-H}\cdots\text{O}$ and $\text{O-H}\cdots\text{O}$ hydrogen bonding interactions are presented as purple and green dotted lines, respectively.

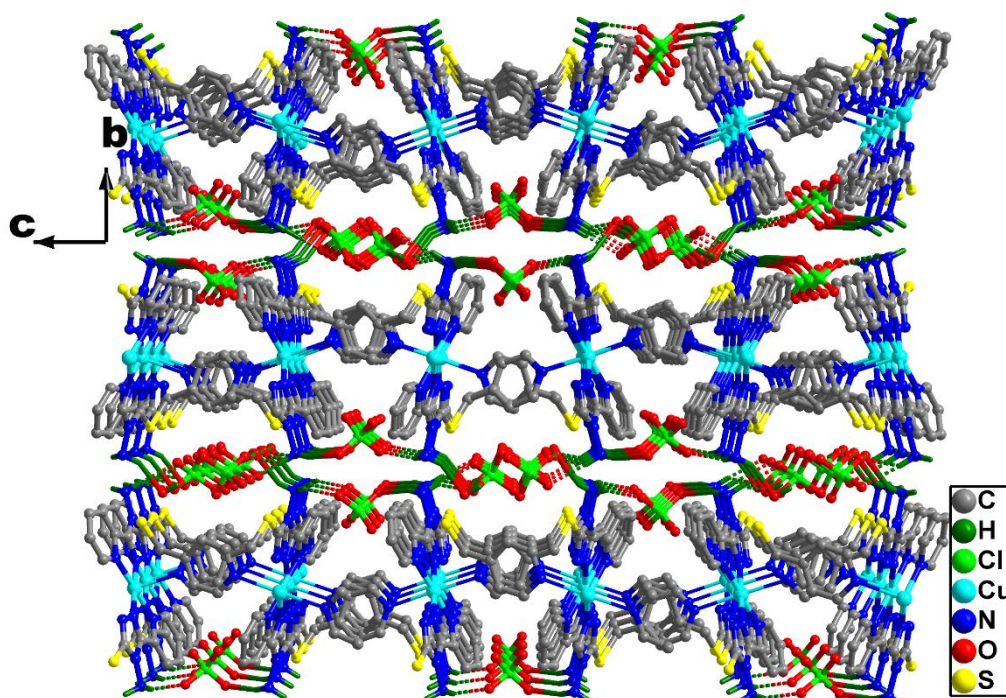


Fig. S2 The stacking fashion of 2D layers in **3** through inter-layer N–H...O and O–H...O hydrogen bonds between –NH₂ groups, H₂O molecules and ClO₄[−] anions, view down *a* axis.

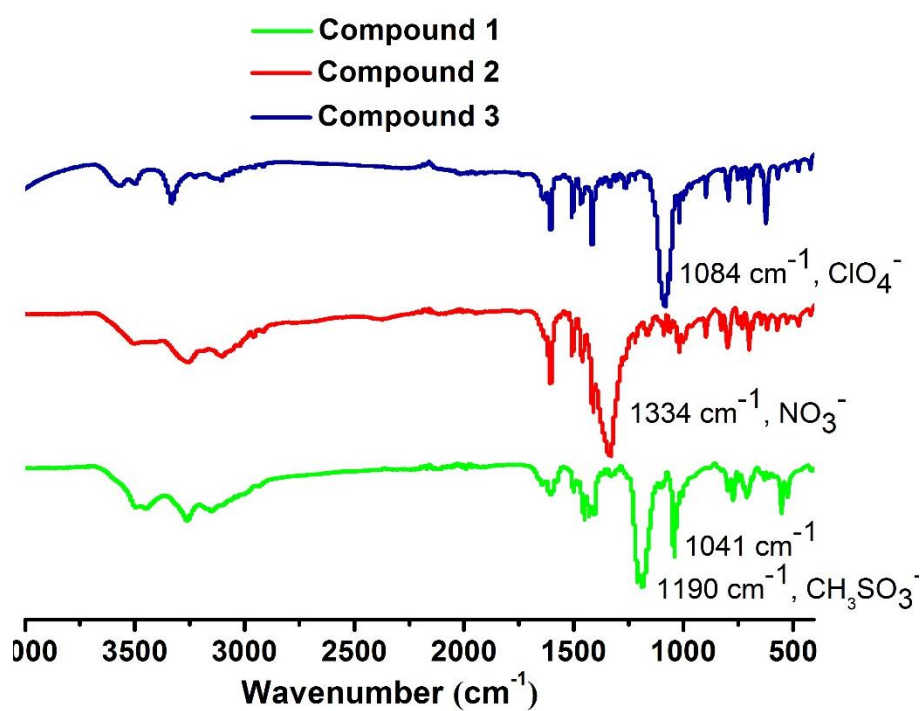


Fig. S3 IR spectra of polymers **1-3**.

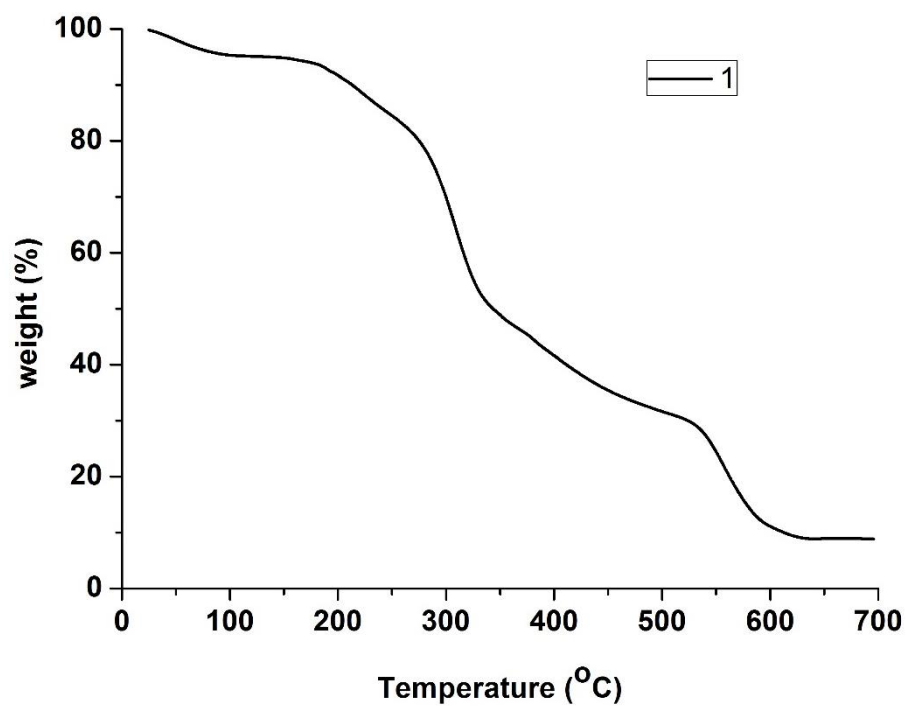


Fig. S4 TGA curve of polymer **1**.