

Electronic Supplementary Information (ESI) for
**Layered copper compounds based on 4-(3-bromothieryl)phosphonate
(BTP): weak ferromagnetism observed in $[\text{Cu}_2(4,4'\text{-bpy})_{0.5}(\text{BTP})_2]\cdot\text{H}_2\text{O}$**

Li-Rong Guo, Feng Zhu, Yu Chen, Yi-Zhi Li and Li-Min Zheng*

State Key Laboratory of Coordination Chemistry, Coordination Chemistry Institute, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210093, P. R. China

* Correspondence E-mail: lmzheng@netra.nju.edu.cn, Fax: +86-25-83314502.

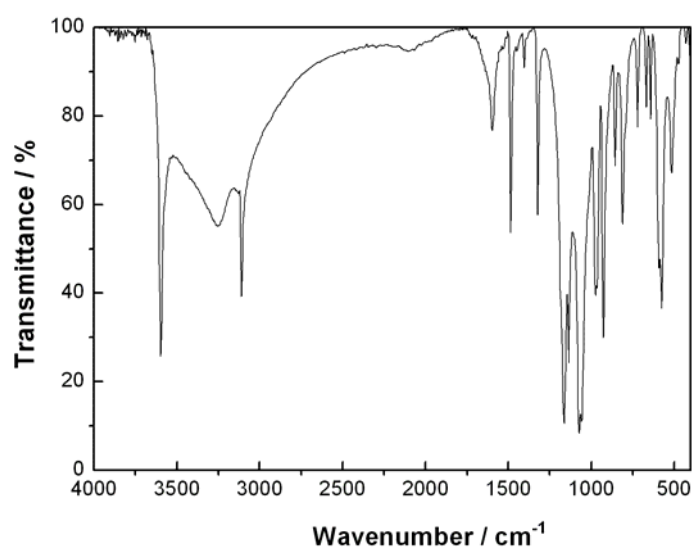


Fig. S1 IR spectroscopy of compound 1.

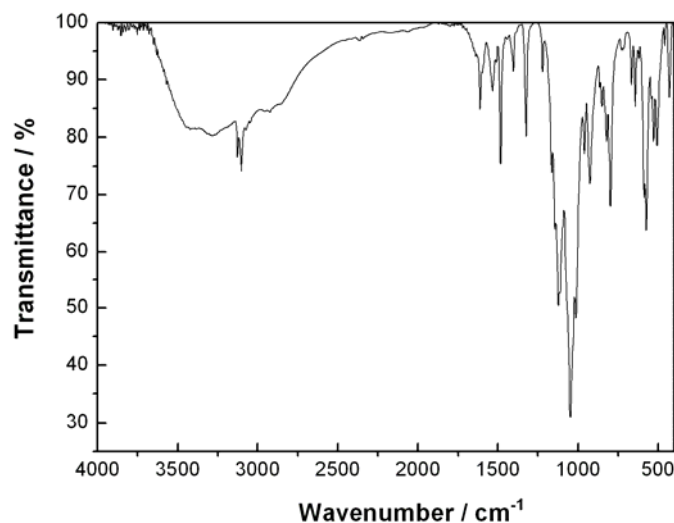


Fig. S2 IR spectroscopy of compound 2.

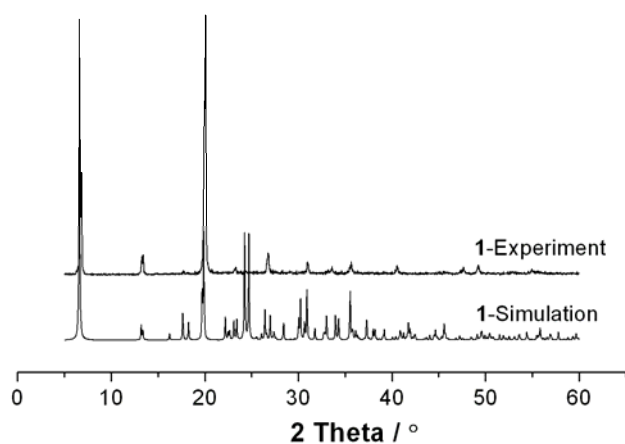


Fig. S3 Powder XRD diffraction patterns for compound 1.

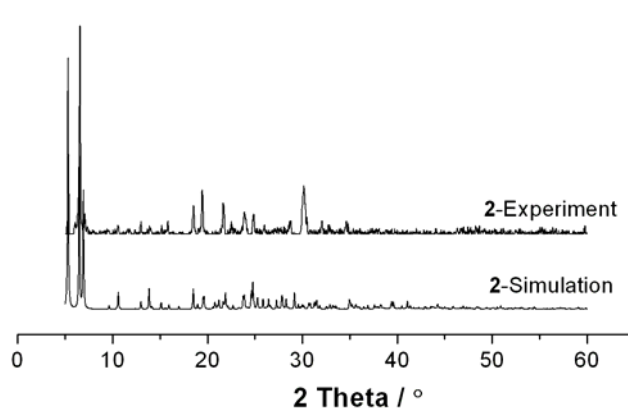


Fig. S4 Powder XRD diffraction patterns for compound 2.

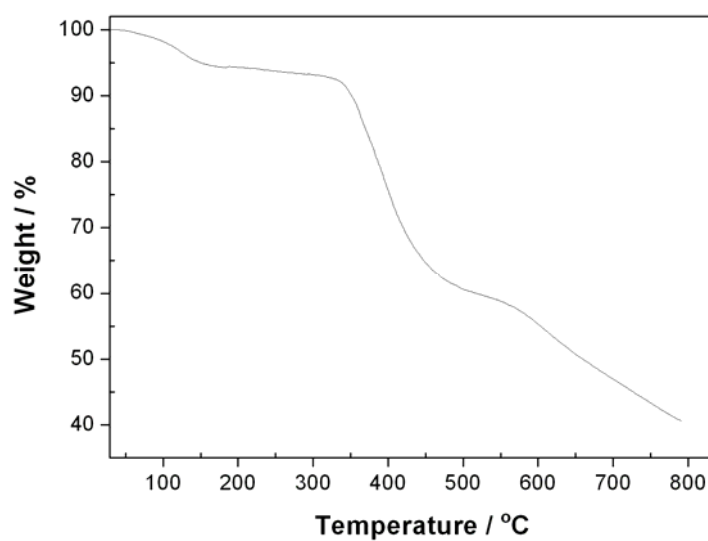


Fig. S5 TGA curve of compound 1.

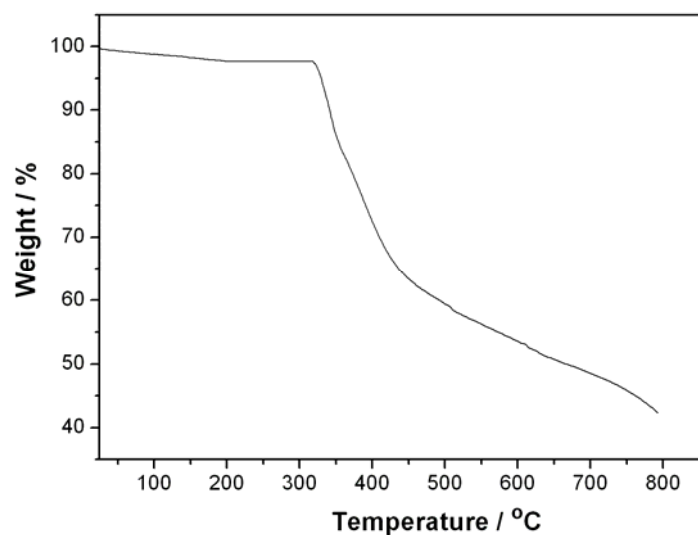


Fig. S6 TGA curve of compound 2.

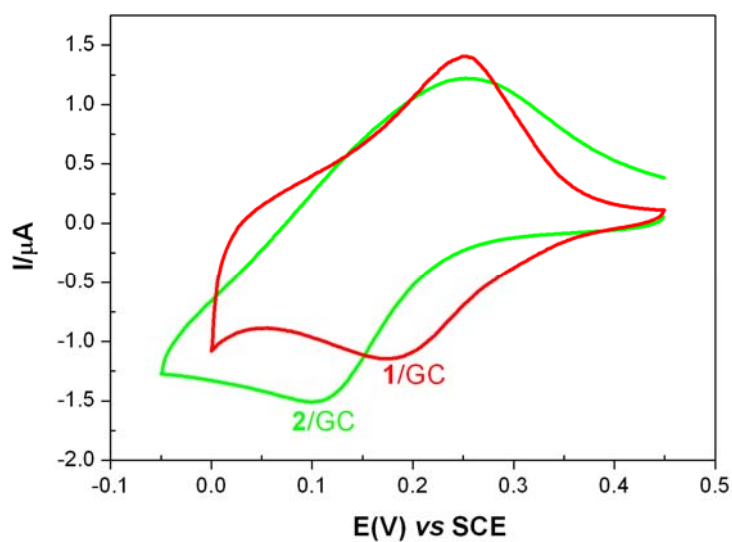


Fig. S7 Cyclic voltammograms of 1/GC (red) and 2/GC (green) electrodes in 1.0 M KNO₃ solution at a scan rate of 100 mV/s.