Synthesis, Crystal Structures, and Properties of Ln(III)-Cu(I)-Na(I) and Ln(III)-Ag(I) Heterometallic Coordination Polymers

Rong-Hua Zeng [a,b,c], Guo Peng [a], Yong-Cai Qiu [d], Sheng-Run Zheng [a], Wei-Shan Li [*a,b,c], Wei-Xiong Zhang [e], Hong Deng [a,b,c] and Yue-Peng Cai [a,b,c]

a. School of Chemistry and Environment, South China Normal University, Guangzhou 510006, China.

b. Key Laboratory of Electrochemical Technology on Energy Storage and Power Generation of Guangdong Higher Education Institutes, South China Normal University, Guangzhou 510006, China

c. Engineering Research Center of Materials and Technology for Electrochemical Energy Storage (Ministry of Education), South China Normal University, Guangzhou 510006, China

d. The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, China

e Tohoku University, Department of Chemistry, Graduate School of Science, Aramaki-Aza-Aoba, Aoba-ku, Sendai 980-8578,Japan

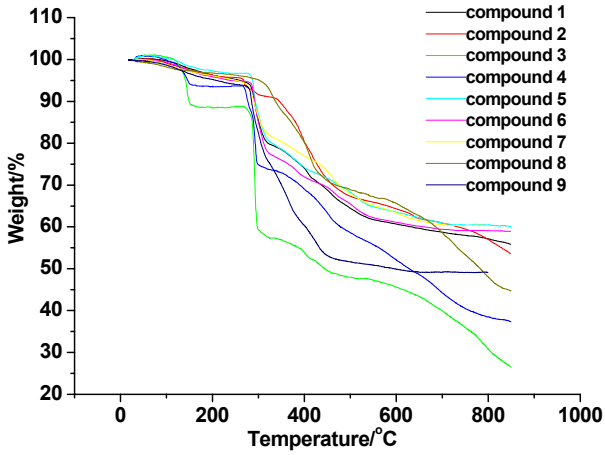


Fig. S1. The TGA curves of the compounds **1-9**.

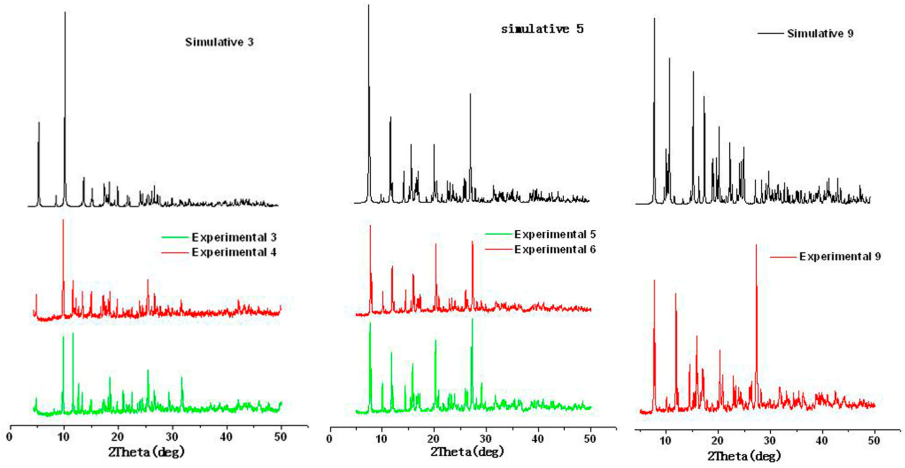
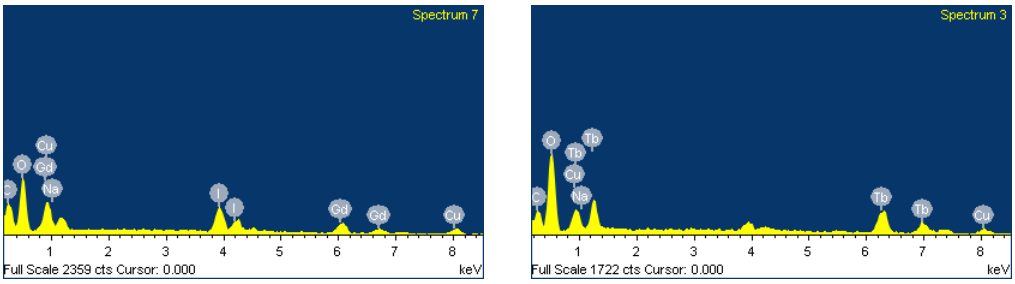


Fig. S2. PXRD patterns by simulated based on the X-ray single crystal diffraction data and by synthesized compounds.



compound 3 compound 4

Fig. S3. The EDX spectrum of the compounds 3-4