



STRUCTURAL
CHEMISTRY

Volume 75 (2019)

Supporting information for article:

A novel (3,6)-connected Cd^{II} coordination polymer based on an ether-linked tricarboxylate ligand: synthesis, topology and luminescence sensing properties in aqueous solution

Yué Yu, Yuqian Chen, Xiuna Mi, Suna Wang and Jing Lu

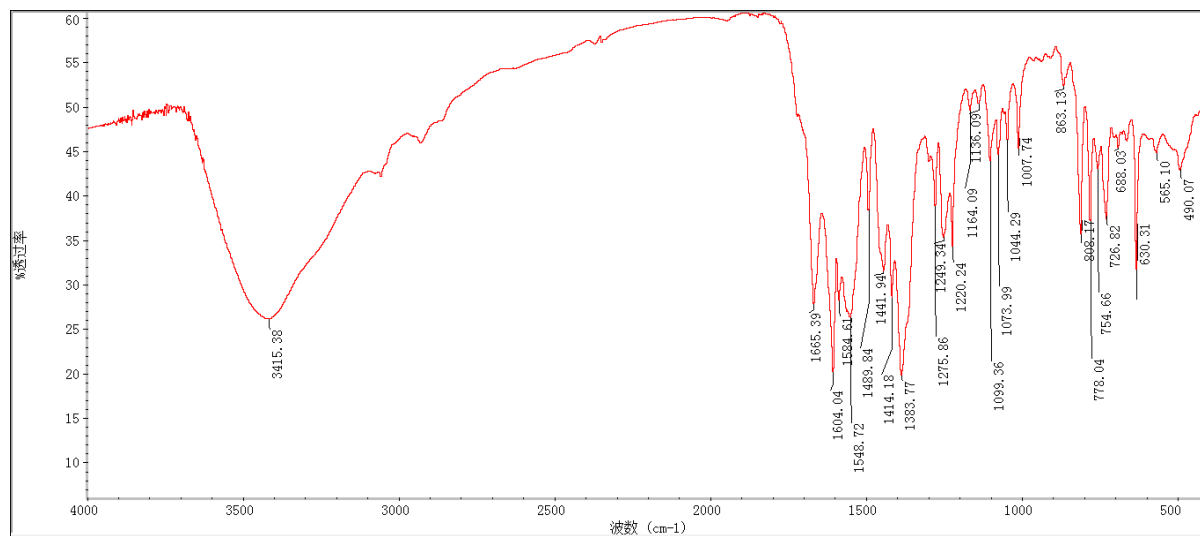


Figure S1. IR of complex 1.

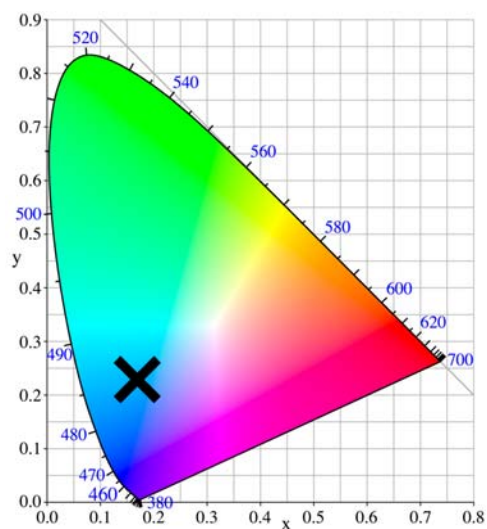


Figure S2. CIE of complex 1.

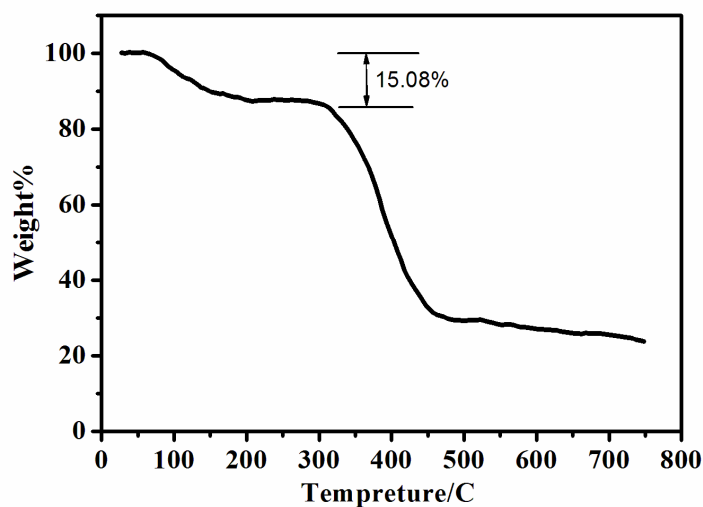


Figure S3. TGA of complex 1.

Thermogravimetric analysis (TGA) measurements on complex 1 indicated that the whole structure began to decompose until about 320°C. The weight loss between 60-220°C may be induced by the release of the coordinated DMF and H₂O molecules (found: 15.08%, calcd 15.25%).

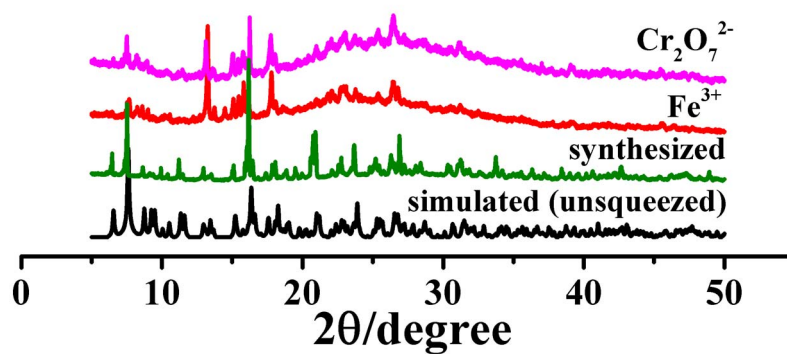


Figure S4. PXRD of complex 1 before and after sensing Fe³⁺ and Cr₂O₇²⁻.