Supporting Information

Reactivity of CuI and CuBr towards Et_2S; a Reinvestigation on the Self-Assembly of Luminescent Copper(I) Coordination Polymers

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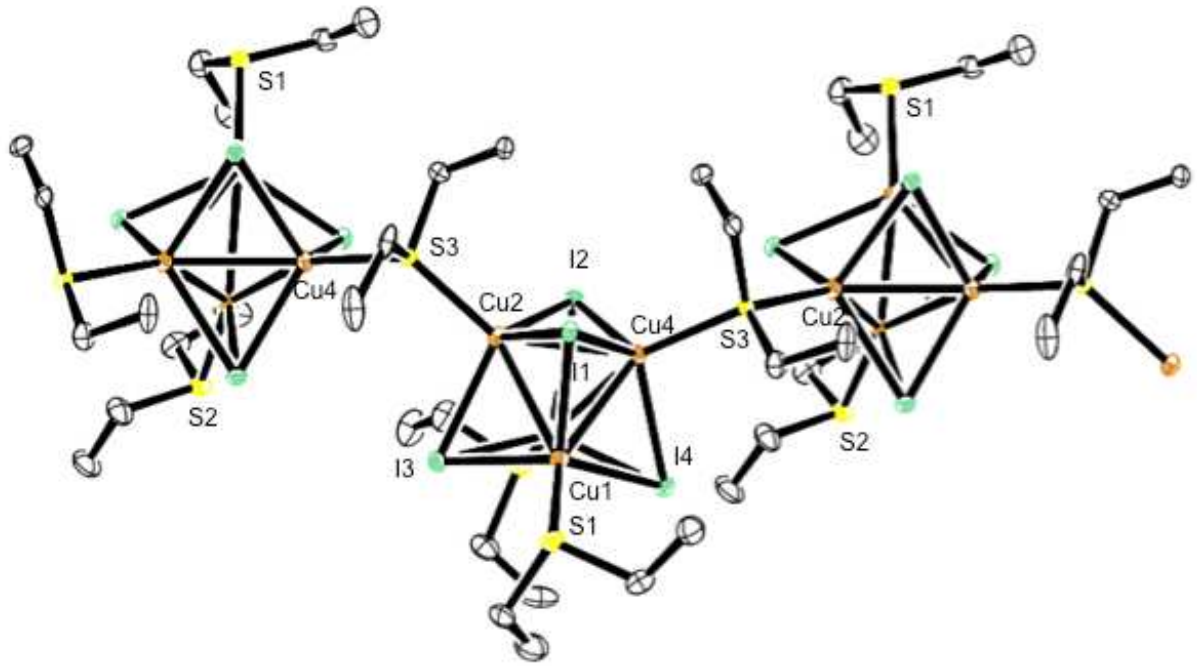

Figure S1. ORTEP view of the polymer chain of **1** at 115K**.** Thermal ellipsoids are drawn at the 50% probability

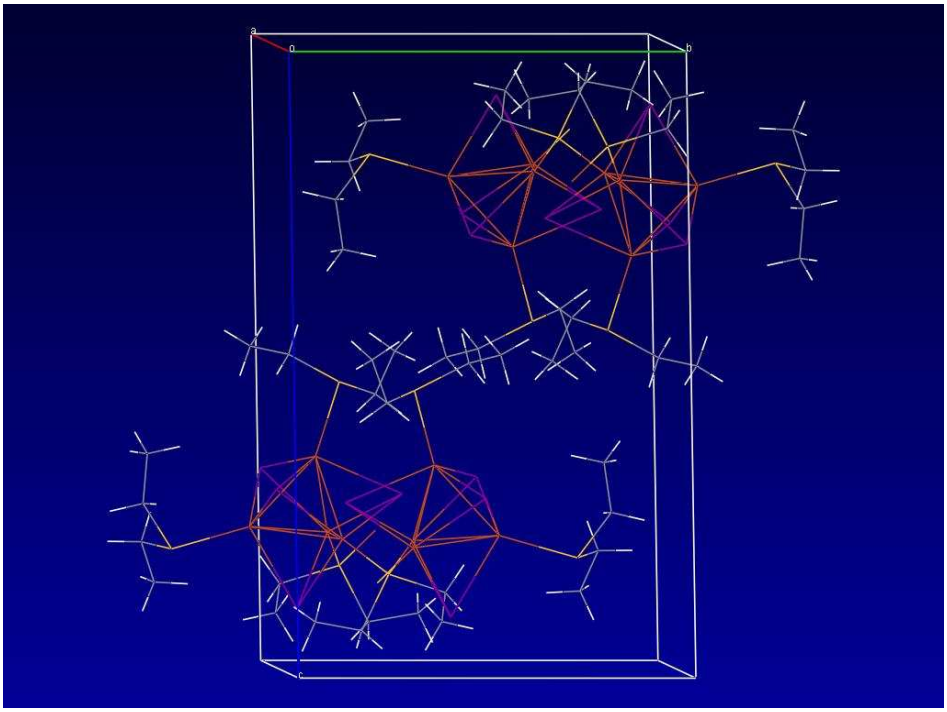

Figure S2a. Projection of the unit cell of **1** on *bc* plane**.**

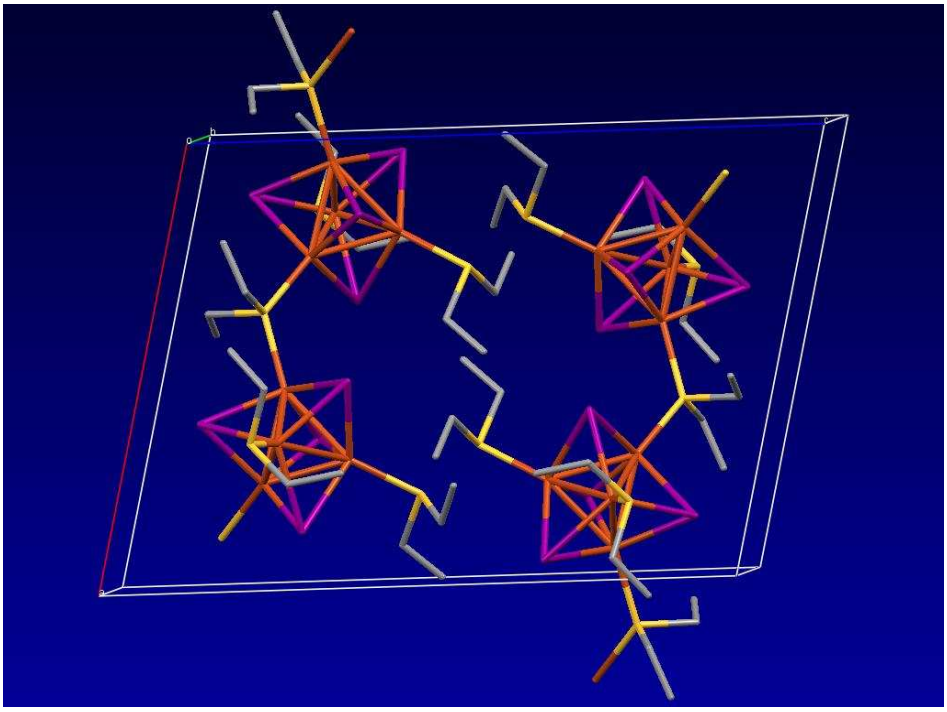

Figure S2b. Projection of the unit cell of **1** on *ac* plane**.**

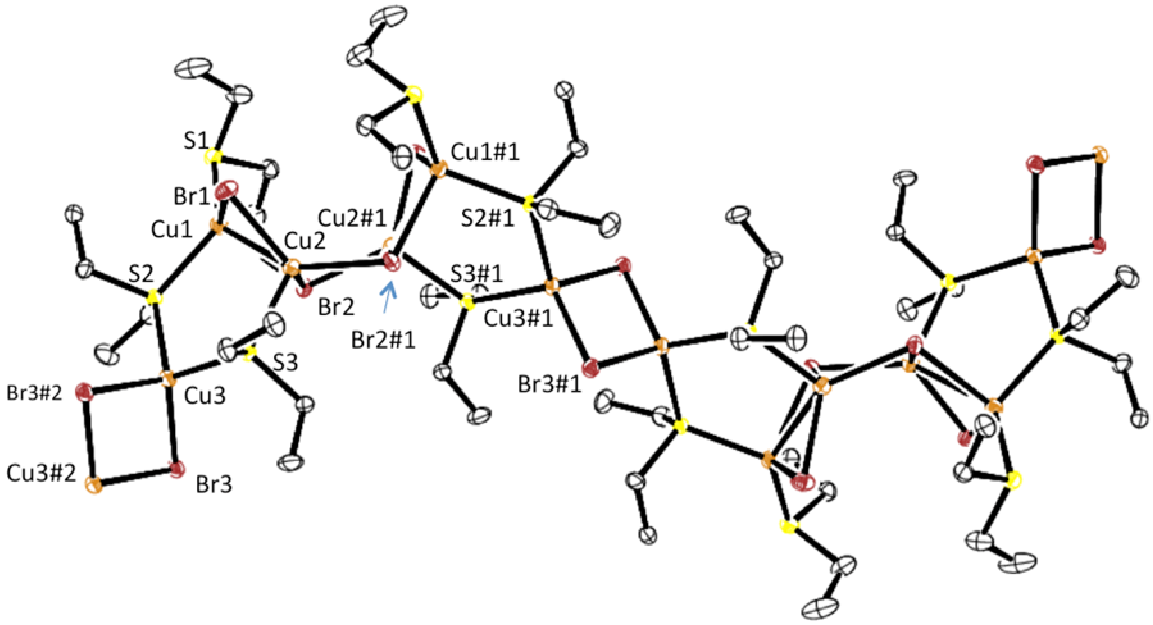

Figure S3. ORTEP view of the polymer chain of **2.** Thermal ellipsoids are drawn at the 50% probability level. Symmetry operations: #1) -1-x, y, 0.5-z (2; -0.5, y, 0.25), #2) -1-x, 1-y, -z (i; -0.5, 0.5, 0)

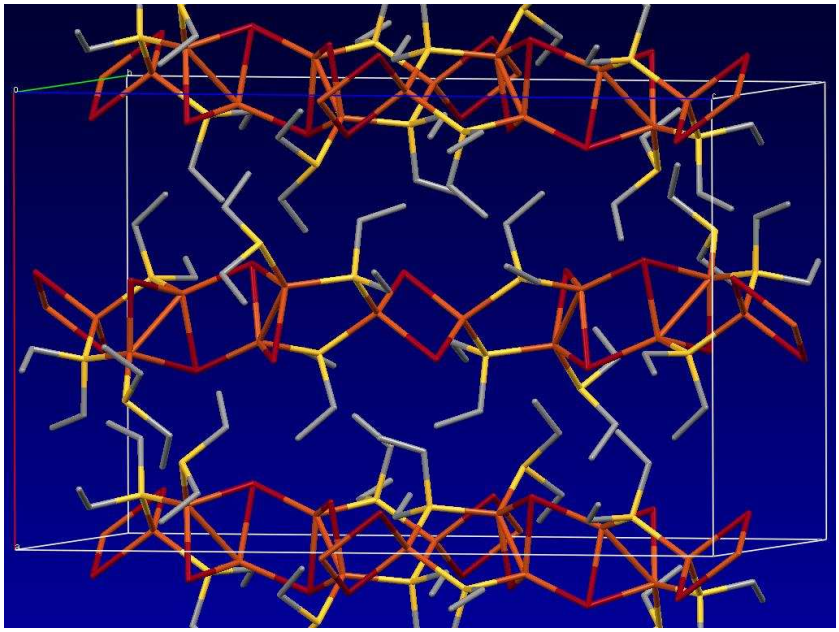

Figure S4a. Projection of the unit cell of **2** down *y* axis**.**

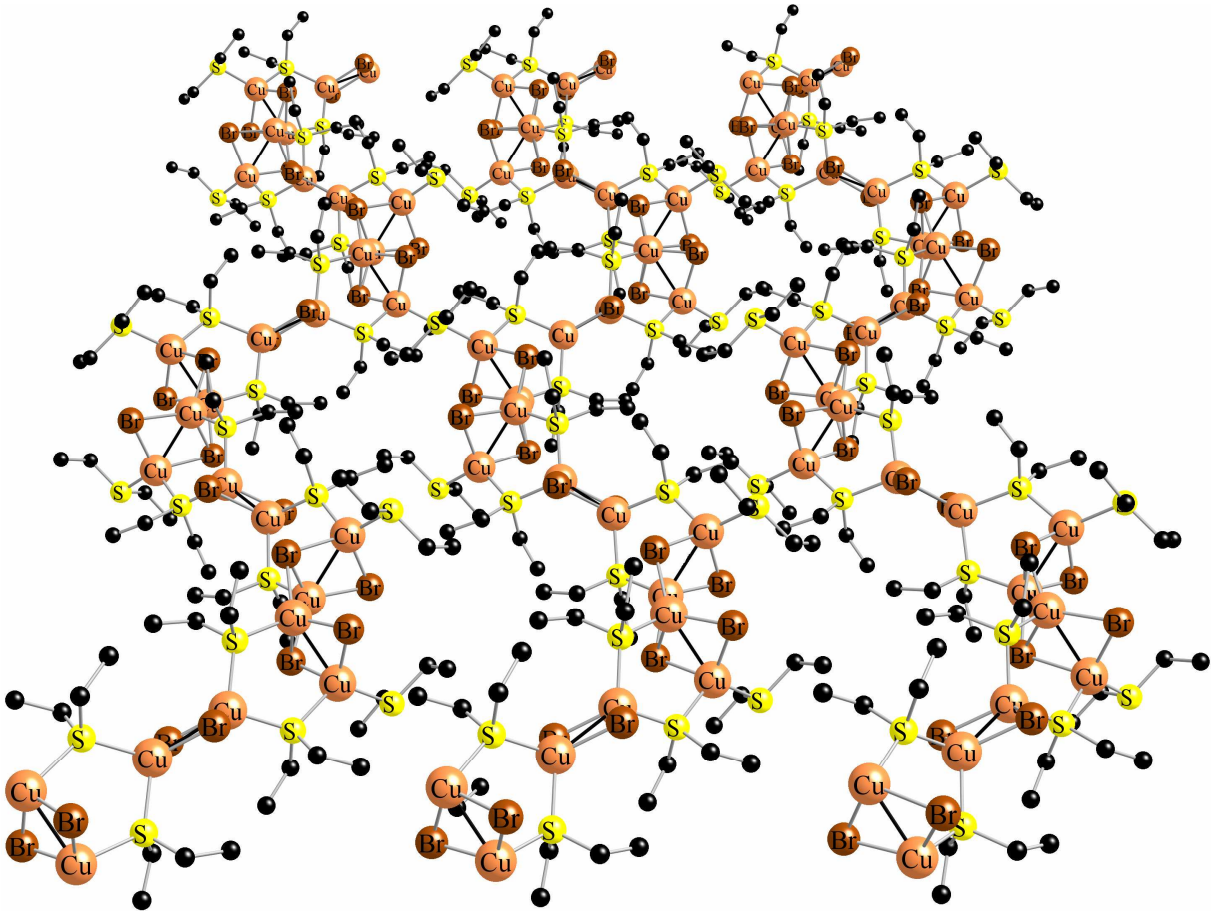

Figure S4b. Perspective view down the *x* axis of **2.**

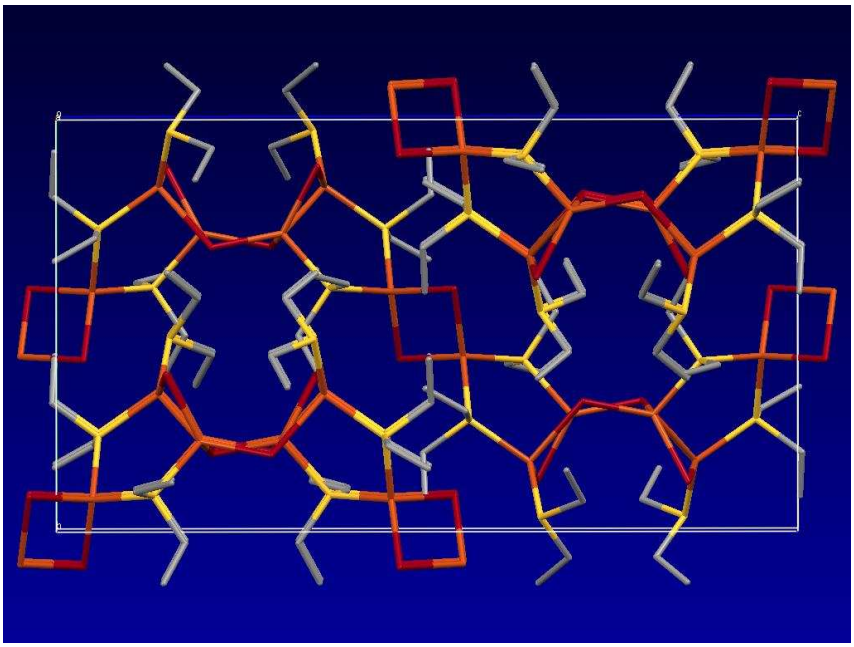

Figure S4c. Projection of the unit cell of **2** (on *bc* plane) showing the presence of twofold axes and symmetry centers**.**

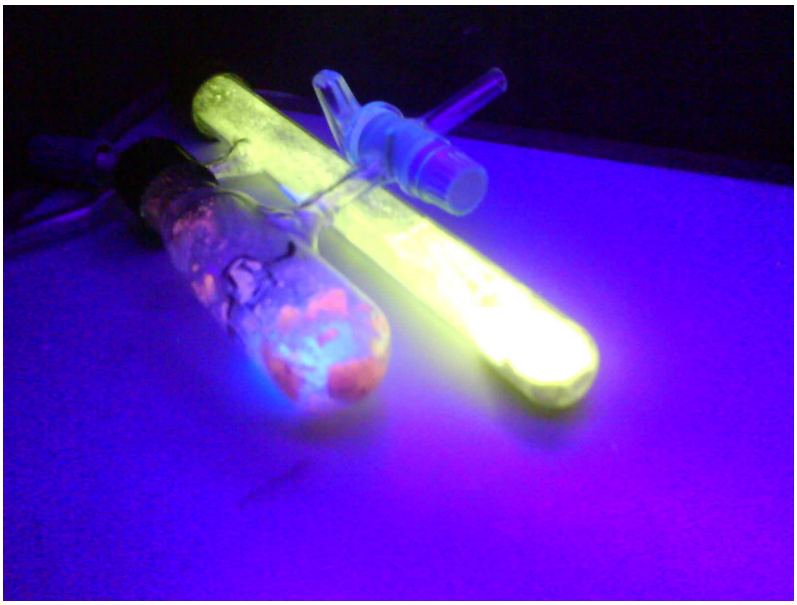

Figure S5. Intense luminescence of $[(Et_2S)_3\{Cu_4(\mu_3\text{-}I)_4\}]_n$ (right Schlenk tube) and $[(THT)_2Cu(\mu_2\text{-}I)_2Cu(THT)_2]$ (left Schlenk tube) under UV-light at 366 nm.