

## Electronic Supplementary Information (ESI) for CrystEngComm

### Two Isomeric [Cu<sub>4</sub>I<sub>4</sub>] Luminophores: Solvothermal/Mechanochemical Syntheses, Structures and Thermochromic Luminescence Properties

Shuai Yuan, Shan-Shan Liu, Di Sun\*,

*Key Lab for Colloid and Interface Chemistry of Education Ministry, School of Chemistry and Chemical Engineering, Shandong University, Jinan, 250100, People's Republic of China. E-mail: dsun@sdu.edu.cn. (D. S)*

1. Table S1. Cu···Cu distances [Å] and cell volumes [Å<sup>3</sup>] in 1 at four different temperatures. 2
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**1. Table S1. Cu⋯Cu distances [Å] and cell volumes [Å<sup>3</sup>] in **1** at four different temperatures.**

<b>1</b>	100K	160K	200K	298K
Cu1⋯Cu1 <sup>i</sup>	2.7425 (18)	2.7471 (17)	2.7544 (15)	2.7568(11)
Cu1⋯Cu2	2.7513 (12)	2.7575 (12)	2.7646 (10)	2.7794 (8)
Cu2⋯Cu1 <sup>i</sup>	2.5908 (12)	2.5972 (11)	2.6043 (10)	2.6203 (7)
Cu2⋯Cu2 <sup>i</sup>	2.5920 (17)	2.5925 (18)	2.5966 (14)	2.6044 (10)
Mean	2.669	2.674	2.680	2.690
Unit Cell	3865.1(4)	3878.9(4)	3901.1(4)	3939.1(6)

Symmetry code: (i)  $-x+1, y, -z+3/2$

2. Figure S1. The TGA for 1 and 2.

