

Solid-state reactivity of copper(I) iodide: luminescent 2D-coordination polymers of CuI with saturated bidentate nitrogen bases

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Electronic Supplementary Information

4 pages

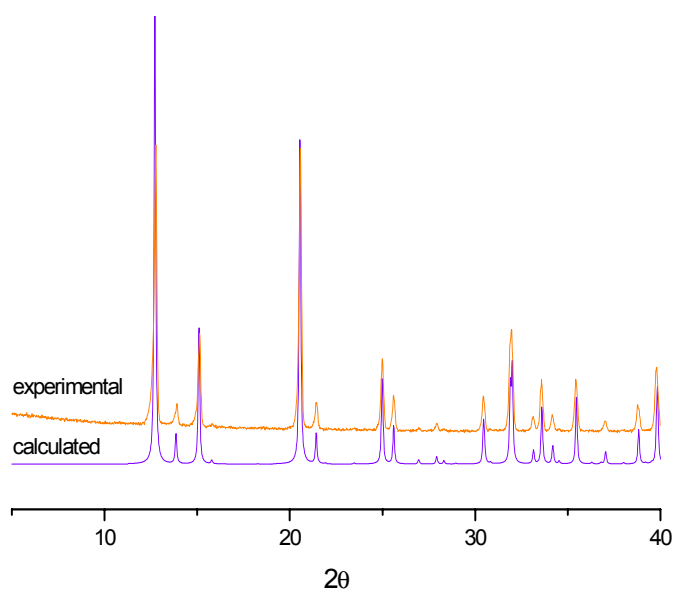


Fig. ESI 1: Comparison between calculated and experimental X-ray powder diffractograms of **1**

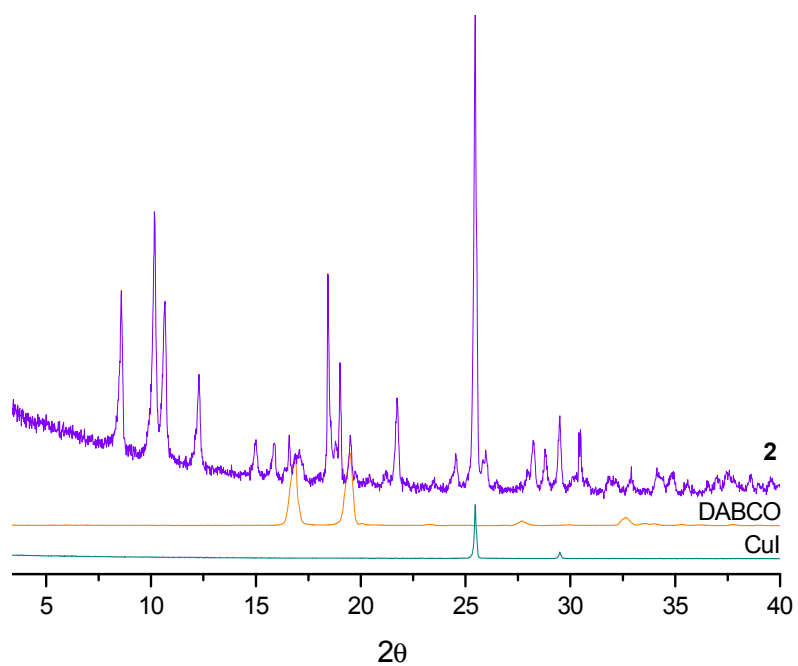


Fig. ESI 2: Comparison of diffractograms for starting reagents and **2**

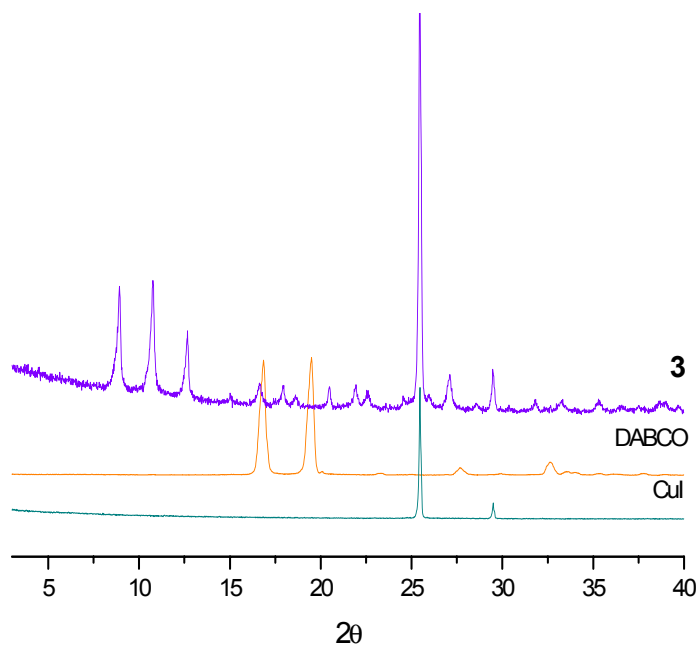


Fig. ESI 3: Comparison of diffractograms for the starting reagents and **3**

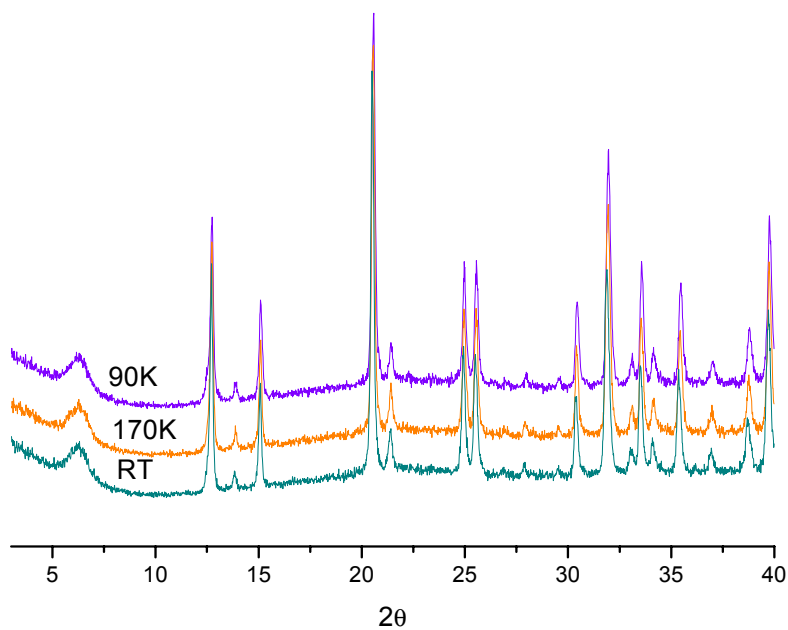


Fig. ESI 4: Variable temperature X-ray diffractograms of compound **1**: no transition phase is observed.

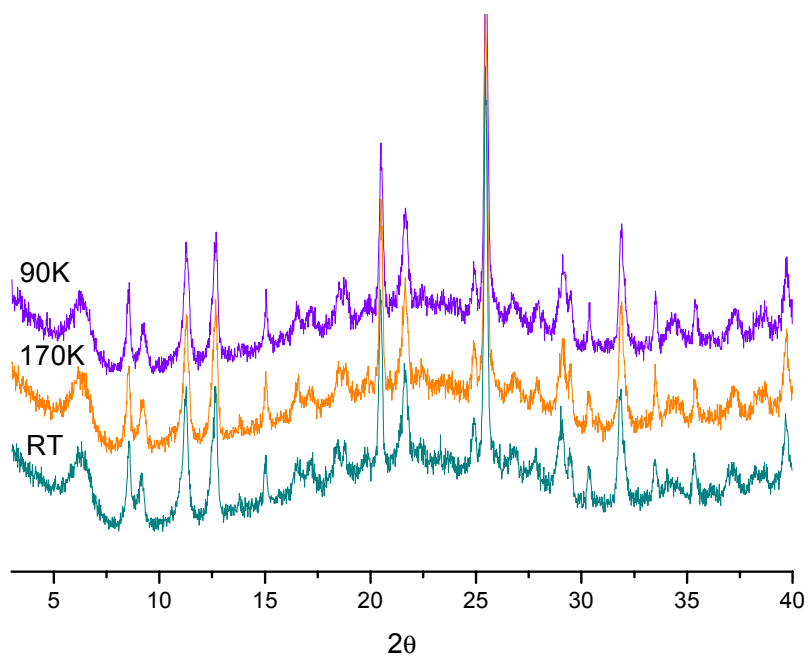


Fig. ESI 5: Variable temperature X-ray diffractograms of compound **4**: no transition phase is observed.

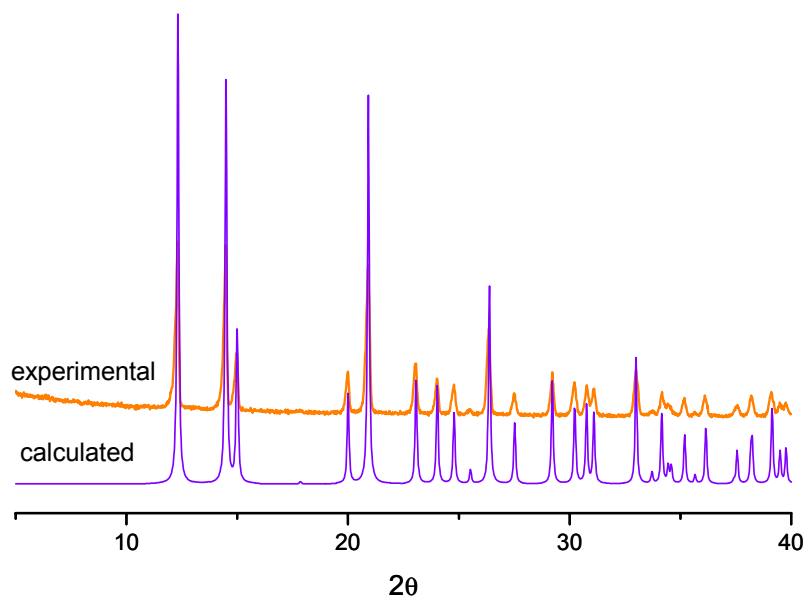


Fig. ESI 6: Comparison between calculated and experimental X-ray powder diffractograms of **6**

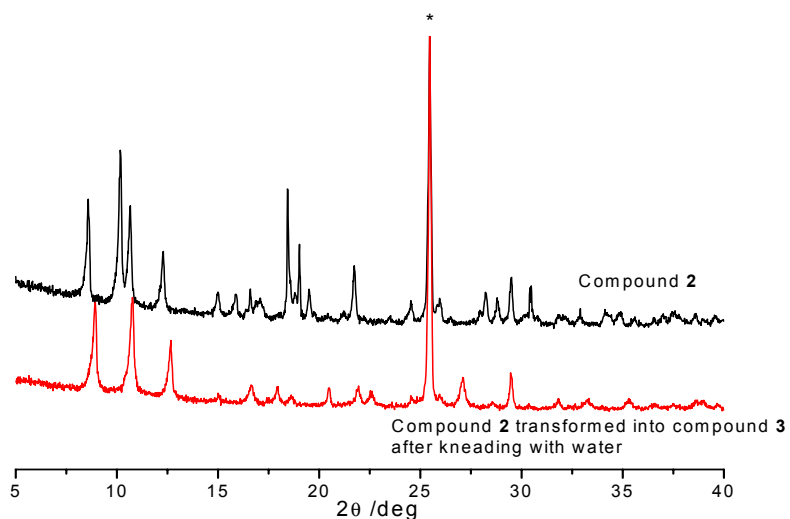


Fig. ESI 7: Comparison between the diffractograms of starting compound **2** before and after kneading with water. The starred peak indicates the presence of unreacted CuI.

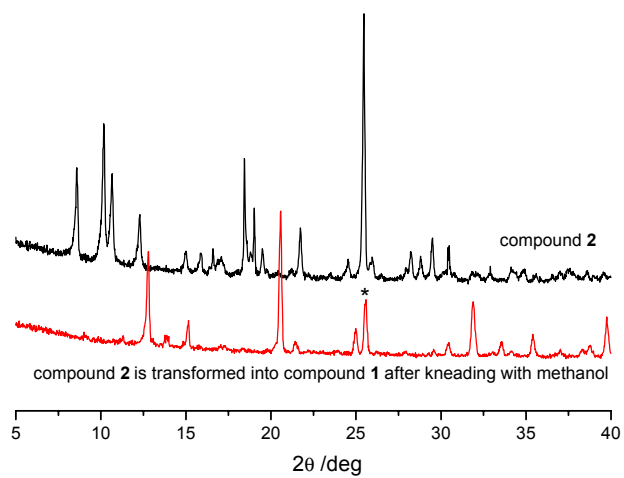


Fig. ESI 8: Comparison between the diffractograms of starting compound **2** before and after kneading with methanol. The starred peak indicates the presence of unreacted CuI.

Table ESI 1 Cell parameters of compound **4** at RT, 150K and 90K

	4 (RT)	4 (150K)	4 (90K)
Temperature (K)	293(2)	150(2)	90(2)
System	Monoclinic	Monoclinic	Monoclinic
Space group	<i>C2/m</i>	<i>C2/m</i>	<i>C2/m</i>
a (Å)	10.315(2)	10.1972(7)	10.156(7)
b (Å)	12.2170(1)	12.1811(6)	12.134(4)
c (Å)	6.859(1)	6.7879(5)	6.782(4)
β (°)	120.690(2)	120.25(1)	120.32(8)
V (Å ³)	743.3(2)	728.34(8)	721.4(4)