

**ELECTRONIC SUPPLEMENTARY DATA**

for

**Two temperature-controlled chiral Ag(I) coordination polymers with  
dual chiral components: synthesis, luminescence and SHG properties**

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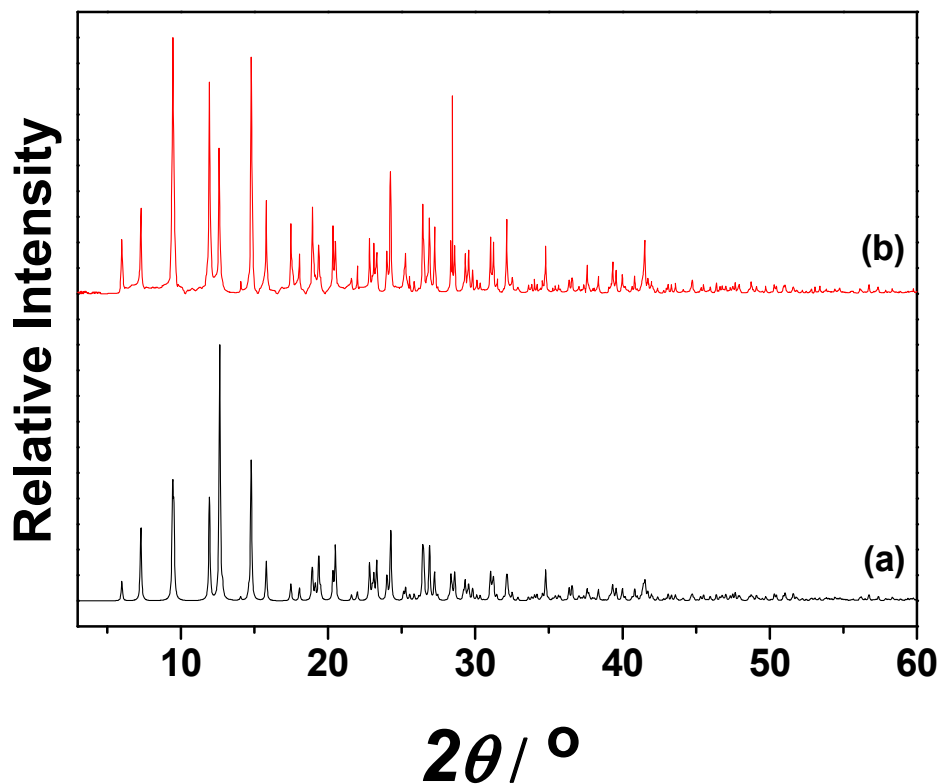


Fig S1. The XRD patterns of **1**, simulated from X-ray single crystal data (a) and polycrystalline as newly synthesized (b).

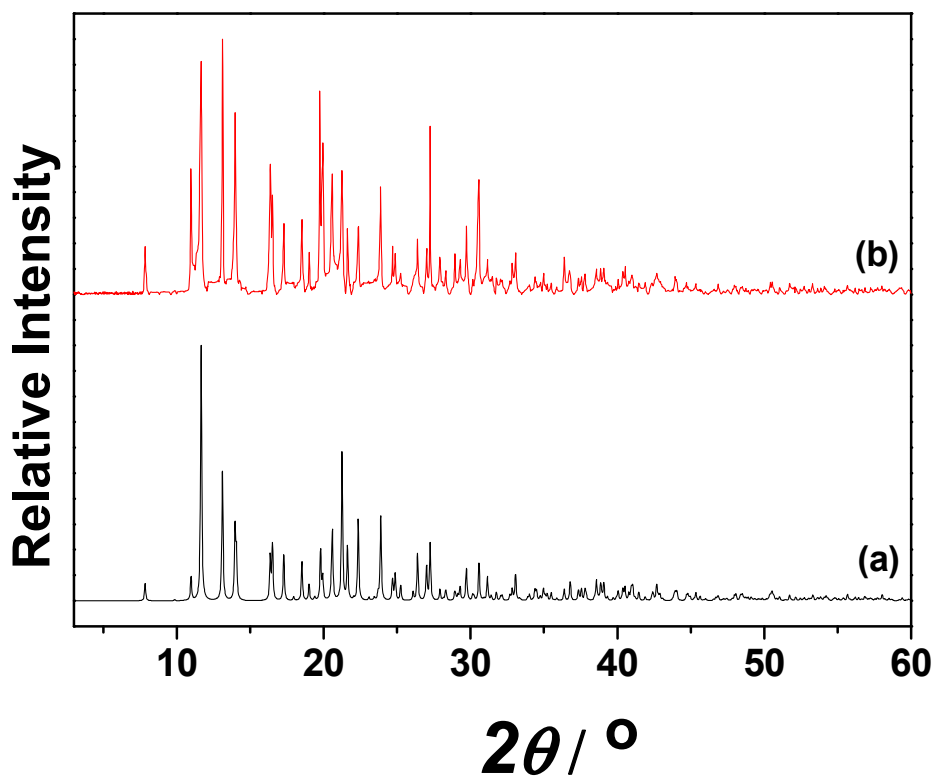


Fig S2. The XRD patterns of **2**, simulated from X-ray single crystal data (a) and polycrystalline as newly synthesized (b).

**Table S1.** Selected bond lengths (Å) and angles (°) for **1** and **2**.

<b>1</b>			
Ag1-N2	2.285(9)	Ag3-N1	2.313(10)
Ag1-N3	2.339(9)	Ag3-N1g	2.313(12)
Ag1-N5	2.158(11)	Ag3-N1i	2.313(15)
Ag2-N4	2.176(11)	Ag4-N8	2.268(10)
Ag2-N6	2.349(9)	Ag4-N8h	2.268(13)
Ag2-N7	2.334(11)	Ag4-N8j	2.268(15)
N2-Ag1-N3	76.6(3)	N1-Ag3-N1g	114.6(4)
N2-Ag1-N5	142.1(3)	N1-Ag3-N1i	114.6(3)
N3-Ag1-N5	141.4(3)	N1g-Ag3-N1i	114.6(4)
N4-Ag2-N6	143.5(3)	N8-Ag4-N8h	120.0(4)
N4-Ag2-N7	141.3(3)	N8-Ag4-N8j	120.0(3)
N6-Ag2-N7	75.1(3)	N8h-Ag4-N8j	120.0(4)
<b>2</b>			
Ag1-N2	2.388(9)	Ag1-N4b	2.345(9)
Ag1-N3	2.311(8)	Ag1-N1c	2.303(10)
N2 -Ag1-N3	76.4(3)	N3 -Ag1-N4b	124.2(3)
N2 -Ag1-N4b	105.5(3)	N1c -Ag1-N3	129.4(3)
N1c -Ag1-N2	118.3(3)	N1c -Ag1-N4b	99.6(3)

Symmetry code for **1**: g, -y, 1+x-y, z; h, 1-y, 2+x-y, z; i, 1-x+y, -x, z; j, 1-x+y, 1-x, z. for **2**: b, -4-x, 1/2+y, -2-z; c, -3-x, -1/2+y, -2-z.

**Table S2.** Selected Hydrogen Bond Lengths (Å) and Bond Angles (°) of **1** and **2** (D, donor atom; A, acceptor atom).

D-H···A	D-H [Å]	H···A [Å]	D···A [Å]	D-H···A [°]
<b>1</b>				
N2-H2B···O4	0.93	2.19	2.988(11)	143
N3-H3B···O3k	0.93	2.14	3.051(10)	168
<b>2</b>				
O1w-H1wA···O4f	0.85	2.18	2.89(4)	141
O1w-H1wB···O2	0.85	2.14	2.80(4)	133
N2-H2B···O1e	0.91	2.27	3.12(2)	154
N3-H2B···O3f	0.91	2.24	3.13(2)	167

Symmetry code for **1**: k, 4/3-x+y, 1/3-x, 1/3+z for **2**: e, -3-x, 1/2+y, -1-z; f, -4-x, 1/2+y, -1-z.