

Supplementary Materials:

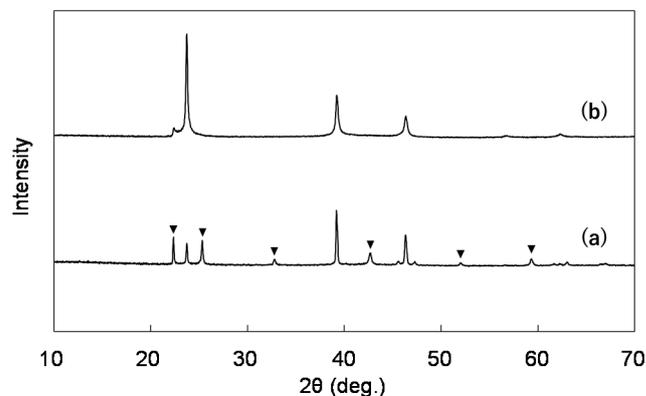


Figure S1. Demonstration of the pressure-induced phase transition from β - to γ -AgI—the peaks indicated using \blacktriangledown correspond to β -AgI (ICDD # 9–374); the unmarked peaks are γ -AgI (ICDD # 9–399); the sample heated at 148 °C was a mixture of β - and γ -AgI (a) and uniaxial pressing preferentially suppressed β -AgI (b)

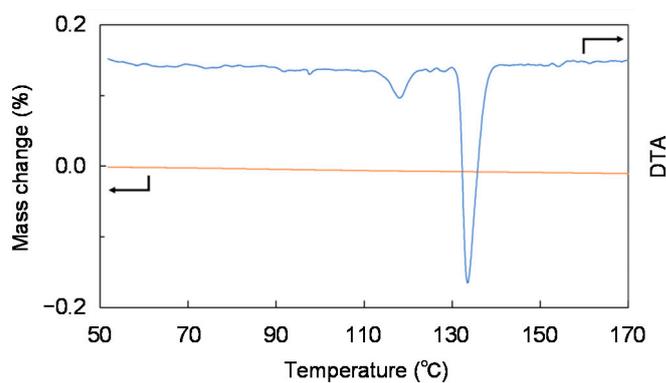


Figure S2. Thermogravimetry-differential thermal analysis curves of $x \text{Ag}_2\text{CO}_3-(1-x) \text{AgI}$ at $x = 5\%$

Table S1. Fitting results of the Rietveld method

| x | 1% | 2% | 3% | 4% | 5% |
|--------------|-------------|-------------|------------|-------------|-------------|
| R_{wp}/R_p | 0.036/0.027 | 0.036/0.026 | 0.04/0.029 | 0.035/0.026 | 0.034/0.025 |
| S | 1.64 | 1.57 | 1.75 | 1.51 | 1.51 |