## **Supporting information**

## **Room Temperature Controllable Fabrication of Silver**

## Nanoplates Reduced by Aniline \*\*

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**20** / **degree** Fig. 1 XRD pattern of the as-prepared silver nanoplates.



Fig. 2 TEM images of samples at different stages of the synthesis with  $[AgNO_3]/[An]$  ratio of 2:1. a) t=2 h, b) t=4 h, c) t=6 h. d) UV-vis spectrum of the samples dispersed in ethanol.



Fig. 3 TEM images of Ag nanoplates synthesized at different [AgNO<sub>3</sub>]/[An] ratios keeping [AgNO<sub>3</sub>] unchanged : a) 1:2; b) 1:1; c) 4:1.

Table 1. The effect of [Agi(03]/[Aii] failo on the size of Ag hanoplates.
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[AgNO <sub>3</sub> ]/[An]	1:2	1:1	2:1	4:1
Size of popolates(pm)	750	700	550	250
Size of hanoplates(hin)	730	/00	330	550
	<u>-50m</u>	Acc-V Spot Magn- Det WI 15.0 kV 3.0 43290x SE 8.0		0 nm.

Fig. 4 TEM (a) and SEM (b) images of Ag nanoplates synthesized in dark room with  $[AgNO_3]/[An]$  ratio of 2:1 and other condition unchanged.







Fig. 6 TEM image of Ag reduced by hydrazine hydrate instead of aniline.