

Figure S1.  $^1\text{H}$  NMR spectra of VBDC.

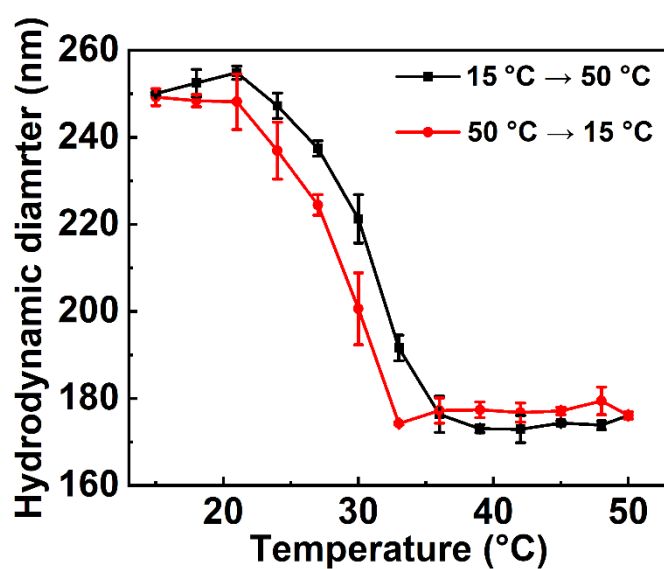
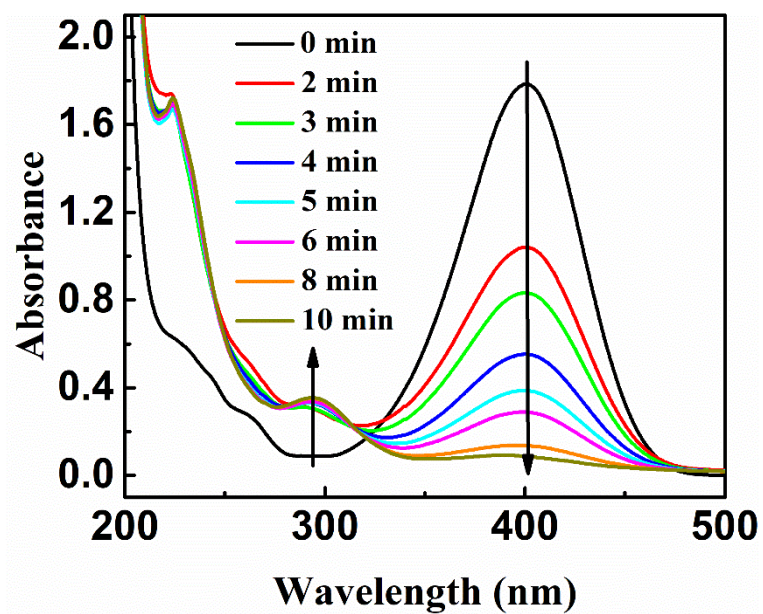


Figure S2. The diameter of PSV@PNIPA with temperature.

Table S1. The specific amount of substances in the reduction of 4-NP to 4-AP.

	1	2
PSV@PSS-b-PNIPA@Ag ( $\mu\text{L}$ )	43	
PSV@PNIPA-b-PSS@Ag ( $\mu\text{L}$ )		46
20 mM $\text{NaBH}_4$ (mL)	1.5	1.5
0.2 mM 4-NP (mL)	1.5	1.5



**Figure S3.** UV adsorption spectra of 4-NP to 4-AP catalyzed by diblock polymer brushes loading AgNPs.